Healthy Ageing Innovation Cluster

Wednesday 10 February 2021, 1300-1500
Today’s event
Agenda

• 1300 Welcome and Introductions
• 1305 Feedback from last session
• 1335 Funding opportunities & New HAIC developments
• 1400 Update from Andy Bleaden, ECH Alliance
• 1415 Refreshment/ comfort break/ Networking opportunity
• 1430 Julie Taylor, Department for International Trade
• 1500 Close
Introduction
Feedback from last session

Sneha Raman, Cate Green, Angela Bruce, DHI
The session built on two key themes/challenges identified for carers from previous event on 4 March 2020:

**Person-centred Care Plan and Coordination**
- A lack of information and support available to unpaid carers and the need for involving them in coordinated person-centred care planning.

**Care for the Carers**
- A need to support unpaid carer's wellbeing, and build trusting relationships between everyone involved (including any paid carers) in providing care for the person.
KEY QUESTIONS

Working in two groups, participants at the event were asked to explore two questions in relation to these themes:

‘How might we ..’ address the challenge?
  • What opportunities do digital technologies provide in addressing this challenge?

‘Who’ would need to be involved?
  • Who do we need to collaborate with from academia, business and civic organisations (within and outside the cluster) to take this opportunity forward?
**KEY OPPORTUNITIES/IDEAS**

**Person-centred Care Plan and Coordination**

- Innovative ways for carers to learn about/try out digital products or services
  - A US hospital housed a store akin to an Apple Store allowing patients to test & see advantages & disadvantages. A person was there to tell the patient about the products (similar to the 'Apple genius'). UK could take elements of this (but more neutral stance).
  - Smart home on wheels with person on board to showcase and a teaching facility. Mobile could be good way to get education to rural areas & be more inclusive. It will also provide carers opportunity to engage with new technology and try out different options themselves.

- A digital menu of options for different services and support available (including technology) explaining - what they do; advantages and disadvantages.
- Support data sharing and joined-up systems
  - Technologies exist, but the backend needs to be solved, including addressing interoperable capabilities of systems to an open platform model.
  - Enhancing flow of information between carers and community nursing.
KEY OPPORTUNITIES/IDEAS

• Taking a holistic view to health and care innovation
  • Smart buildings/homes, looking holistically at issues that can have an impact on health, e.g. fuel poverty.
  • Access to up-to-date reliable data for developers such as a live continuous user testing environment which takes into account context e.g. living changes in order to provide more holistic solutions.

Care for the Carers

• Resources for carers and carer needs
  • Develop Kind Space further to a community for carers/ database with tips and info to act as a friend that is always there, and ability to share advice with others, sharing goals, and peer support. Resources such as Bridgit currently exist.
  • Access to up-to-date, secure and trusted technologies to support more holistic view.

• Ensuring reassurance for carers
  • Potential of technology to provide visibility of what is happening at home when carer taking respite.
WHO NEEDS TO BE INVOLVED

• Participants’ (especially SMEs) suggestions on DHI’s role/purpose of cluster:
  • Need for a live and continuous user-testing environment, such as Living Labs, that members of the cluster can engage with to develop new opportunities.
  • Engaging people with lived experience - both of receiving care and carers - actively in the cluster.
  • Need for an independent approval body for kitemarking new emerging technologies to build credibility for taking it to the NHS and other health and care organisations.
  • Policymakers and experts/consultants who can contribute knowledge on navigating implementation and regulation landscape.

• Participants (especially SMEs) anticipated potential challenges to implementation as:
  • Lack of interoperability of digital systems across the health and care sector posing a challenge for SMEs to develop new compatible technologies.
  • Lack of support for SMEs/innovators to navigate the complex regulatory environment and other barriers to introducing new technology, and the need for additional support through involving consultants and policy/decision makers in the cluster.
Funding opportunities

Kara Mackenzie, DHI
Funding Opportunities

• SBRI – improving co-morbidity acute care using data analytics – Phase 1
  The aim is to improve clinical decision-making by introducing a data-driven approach that must:
  • identify multimorbidity patients
  • provide individual risk stratification through real-time data visualisation
  • provide decision support following an emergency admission
  • Closing date: 03 March 2021
  • Value: share of £160k Inc. VAT up to £10k
  • More information
Funding Opportunities

• Digital Health in Developing Economies

The European Space Agency invites tenders to undertake a study to assess the technical feasibility and commercial viability of space-based services and solutions in the area of digital health for developing health ecosystems. Tenderers will undertake a study to assess the technical feasibility and commercial viability of space-based services and solutions in the area of digital health for developing health ecosystems. The aim is to reduce the technical and commercial risks for their implementation and operation.

The focus is on India and African countries, with areas of interests including:
• health information digitalisation;
• improving diagnosis and treatment;
• enabling elderly care technologies.

• Closing date: 20 March 2021
• Value: Up to £200k Euros per activity
• More information
Funding Opportunities

• **SBRI – Improving hip fracture outcomes using data – Phase 1**

  The aim of the competition is to improve outcomes for hip fracture patients by developing a system using routinely collected health data and data analytics techniques.

  The system must optimise complex patient care pathways to deliver hip fracture care according to national care standards. Your project can focus on one or more of the following:

  - Data analytics
  - Artificial Intelligence (AI)
  - Software development
  - Machine learning
  - Analysis of risk
  - Computerised decision-support/ integrate care pathway development

• **Closing date: 31 March 2021, 1100**
• **Value: share of £160k Inc. VAT**
• **More information**
Funding Opportunities

• NIHR – Adult community health and social care services to avoid planned and unplanned hospital admissions
  • The focus of this call is on the organisation and delivery of adult community health and social care services, and its role in avoiding planned/unplanned hospital admissions.
    • Closing date: 08 April 2021
    • Value: unspecified
    • More information
Funding Opportunities

• ERA-Net Active Assisted Living Platform – Advanced inclusive health and care solutions for ageing well in the new decade
  • This supports innovative, transnational and multidisciplinary collaborative projects with a focus on inclusive health and care approach, the stimulation and upscaling of innovation in active and healthy ageing through health and care ecosystems and the accessibility of digital solutions to end users. Projects must demonstrate a clear route to market and added value for the different types of end-users. Solutions must be embedded into the strategies of the participating end-user organisations, service providers and business partners.
  • Closing date: 21 May 2021
  • Value: 300k Euros for 6-to-9-month projects, 2.5m Euros for collaborative projects between 12 – 30 months
  • More information
Funding Opportunities

• Wellcome – Innovator Awards

Wellcome innovator awards support researchers who are transforming ideas into healthcare innovations that could have a significant impact on human health. Research may be in any scientific discipline, including those outside the life sciences, and can be on any type of technology, including:
- Therapeutics
- Vaccines
- Devices
- Diagnostics
- Digital technologies
- Regenerative medicine

• Closing date: 24 May 2021
• Value: £500k for 2 years, £750k for 3 year, collaborative projects
• More information
Funding Opportunities

• InnovateUK Smart Grants – January 2021

Innovate UK, part of UK Research and Innovation, is investing up to £25 million in the best game-changing and commercially viable innovative or disruptive ideas. All proposals must be business focused.

• Applications can come from any area of technology and be applied to any part of the economy, such as, but not exclusively:
  • the arts, design and media
  • creative industries
  • science or engineering

• Closing date: 26 May 2021
• Value: TBC
• More information
New HAIC Developments

Grant Reilly, DHI
HAIC webpages

- Introduction video
- Funding feed added
- Expanded resources section
- Ability to join our network
  - Exclusive access to LinkedIn Group
Visit our HAIC webpage

• Scan the QR code ➔
Or
• Enter:
www.dhi-scotland.com/innovation/innovation-clusters/healthy-ageing/
LinkedIn HAIC Group

- Private Group
  - Must have joined DHI network for access
- Moderated by DHI
- Networking/ posting key and relevant information
Join our private LinkedIn HAIC Group

• Scan the QR code ➔
Or
• Enter:
www.linkedin.com/groups/12496744/

[QR Code Image]
2021 HAIC member survey

• Last survey was done 1 year ago
• Covid-19 impact
• Membership has increased to over 450
• Time to refresh our thinking
• Feedback at our next event
Take part in our 2021 HAIC member survey

• Scan the QR code →
Or
• Enter:
  www.surveymonkey.co.uk/r/HAIC21
ECH Alliance update

Andy Bleaden
About ECHAlliance

Member Organisation
(750+ organisations)
Companies, policy-makers, research orgs, health & social care providers, patient groups, insurance, procurers, government ministries

WHO

16,500+ experts / professionals

Not for Profit Organisation
Registered in Ireland and in the UK
Global reach across 78 Countries and 4.6 billion people

International Network of 50+ Digital Health Ecosystems

180+ ecosystem gatherings a year
WHAT

- Connecting the dots
- Network of Digital Health Ecosystems
- Comms & networking
- Supporting our members
- Global Events
- Funding/Tenders

About ECHAlliance
Become a member of ECHAlliance

- Boost your network
- Join Working Groups
- Make Direct Connections
- Funding and Tender Alerts
- Collaboration in Funded Projects
- Access our Ecosystems
- Promote your organisation
- Discount on Events
- Speaking Slots Opportunities
Our current members
Our current members
...bring together a permanent community of stakeholders to develop a joint health agenda, aiming to address and find common solutions to regional health challenges.

The main benefit of working together in an Ecosystem is the multiplier effect of collaborating in our International Network of Ecosystems.

**Ecosystems:**
- break down silos,
- transform healthcare delivery,
- create economic growth
Our International Network of Ecosystems

ARGENTINA
AUSTRALIA - Melbourne
BELGIUM - Brussels
FRANCE - Flanders
BRASIL
CANADA - Ontario
CANADA - Quebec
CHILE
CZECH REPUBLIC
DENMARK - Southern Denmark
ENGLAND - Manchester
ENGLAND - North West Coast
ENGLAND - London
ENGLAND - Yorks/Humber
ENGLAND - South West Coast
ESTONIA
FINLAND - Oulu
FINLAND - Ostrobothnia
FINLAND - South Ostrobothnia
FINLAND - Kuopio
FINLAND - Central Finland
FINLAND - Helsinki
LITHUANIA
MALTA
MEXICO
NETHERLANDS - Friesland
NORTHERN IRELAND
NORWAY
PORTUGAL
GREECE - Athens
INDIA
ITALY - Treviso
ROMANIA - Transylvania
SERBIA
SCOTLAND HIGHLANDS & ISLANDS
SLOVENIA
SPAIN - Valencia
SPAIN - Galicia
SPAIN - Catalonia
SPAIN - Basque Country
SPAIN - Extremadura
SRI LANKA
SWEDEN - Västerbotten
USA - New York
WALES
Benefits of joining an International Network of Ecosystems

As part of an international network of ecosystems an ecosystem can:

- **Collaborate** with other regions
- **Bring in best practice** from outside your country in Healthcare
- **Increase access** to international markets
- **Scale up innovation** in your region and country in new settings
- Join 55+ **other** Ecosystems and NEW THEMATIC Ecosystems
Thank you!

Andy Bleaden
Director Ecosystems & Membership at ECHAlliance

andy@echalliance.com
www.echalliance.com
@andybleaden
@ECHAlliance
Refreshment break/
networking
Join our private LinkedIn HAIC Group

• Scan the QR code
• Or
• Enter: www.linkedin.com/groups/12496744/
Julie Taylor
Healthy Ageing Specialist
Life Sciences and Healthcare | Department for International Trade
DIT supporting the Ageing Society Grand Challenge

Julie Taylor, Healthy Ageing Specialist
Julie.taylor@trade.gov.uk
A girl born in the UK today has a 1 in 3 chance of living to 100.

The chance of living to 100 will double in the next 50 years.
The 100 year life

Our longer lives could profoundly change the way we approach life, regardless of age, opening up new opportunities.

**Current model of ‘3-stage life’:**

- Birth
- Education
- Work
- 0-15
- 16-64
- 65+

**A hundred year life might see a shift to a ‘multi-stage life’:**

- Birth
- Education
- Work
- Education Re-training
- Work
- Career Break
- New hobby
- 0-15
- 16-23
- 24-33
- 34-50
- 51-61
- 62-72
- 73-78+
The Industrial Strategy: Grand Challenges

**Mission statement:**

Ensure that people can enjoy at least 5 extra healthy, independent years of life by 2035, while narrowing the gap between the experience of the richest and poorest.
DIT is responsible for delivering the trade and investment element of the Ageing Society Grand Challenge.

Our global network extends to DIT teams in 177 cities around the world.
£98 million innovation fund – Industrial Strategy Challenge Fund for Healthy Ageing, that will aim to stimulate well-designed innovations to support healthy ageing.
ISCF: Healthy Ageing Investment Accelerator

Innovate UK Accelerator

UKRI has partnered with three private investors, Barclays Ventures, Legal & General and Northstar Ventures, to support UK SMEs and Start-Ups looking to develop and take to market innovations that address the ISCF healthy ageing challenges.

After a successful pilot competition which received over 750 registrations and allocated £13M of grants alongside private equity from our Investor Partner.

A new investment accelerator initiative providing simultaneous grant funding and private investment for early stage projects led by UK companies. A total of £29 million in government grants together with matched funding from private investors will be available over the next four years for projects up to £1.5 million in eligible costs.

https://www.ukri.org/innovation/industrial-strategy-challenge-fund/healthy-ageing/
DIT International Activity

Then and now

Healthy Ageing
“A Challenge for Innovative Solutions”

II. Unlocking Innovation and Collaboration for Healthy Ageing

The objective of this session is to highlight how innovation can unlock Healthy Ageing solutions and lifestyles, sharing experiences from UK and Basque research and showcasing six companies.

- 9.30 Welcome by Maria Fitzpatrick – Department for International Trade Bilbao
- 9.35 UK Research and Innovation – UKRI / Innovation UK – George MacGinnis, Challenge Director, Healthy Ageing, UK Research and Innovation
- 9.50 Basque Foundation for Health Innovation and Research – Healthy Ageing/Silver Economy Challenges
- 10.10 Care Software Providers Association (CASPA) – Nuno Almeida – Founding Partner
- 10.20 Pitches by Nourish Care – Nuno Almeida / Buddi – Ro Murray / Walk with Path – Lise Pape
- 10.35 Pitches by BU2U – Hélène Thibault / evocetain – David Fird - CEO
- 10.50 Q&A Moderated by Ana Ruiz de Apodaca – Deputy Managing Director Basque Health Cluster
To come: A healthy ageing marketing campaign; videos, case studies, interviews
Opportunities in Healthy Ageing

This covers:

- Prevention & Diagnostics
- Advanced Therapies
- Rehabilitation & MedTech
- Digital and Technology Solutions
- Mental Health & Wellbeing
- Dementia Care
- Care Homes and Care Villages
- Age-friendly Homes
DIT’s High Potential Opportunities

Each HPO aims to put forward a clearly defined commercial opportunity for investment in the first instance, which is then supported by a detailed enabling case that demonstrates why a location is an ideal place to exploit that opportunity. The HPO programme packages these opportunities up into commercial propositions to promote to companies overseas, supported by company targeting and digital marketing.

Desired Outcomes, Impact and benefits: levelling up, industrial strategy grand challenges, local industrial strategy, 'golden assets'.
North East Healthy Ageing HPO

Led by Invest Newcastle and working with Invest North East England and the North East Local Enterprise Partnership this will benefit the whole region. Coming at a crucial time for the UK economy, supporting the region to further its position as pioneers of the longevity economy, an international innovation destination and as a place where businesses from across the globe can grow & thrive.

4 of the 11 healthy ageing catalyst awards have gone to groups from Newcastle.

‘Whole home improvements’
A collaboration between E.ON Energy, Newcastle University, Invisible Creations® and ADL Smartcare
Manchester / Cheshire & Warrington HPO

The HPO will have strong focus on molecular and digital diagnostics with reference to healthy ageing but potential draw in other complementary areas. Led by MIDAS.

- Smart Technologies
- Molecular / Digital Diagnostics
- Early Intervention and therapeutics
- Assistive technologies

"Greater Manchester is UK’s first age-friendly city-region"
<table>
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<tr>
<th>UK Healthy Ageing Industry Environment</th>
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Two experimental villages (South Seaham Garden, Harmonia in Dover) and a building research centre (BRE) |

Local industrial strategies e.g. Greater Manchester’s Ageing Hub |

UK government focus on Healthy Ageing
Questions

• Please use chat field to submit questions
Final comments

• Take the survey
• Join the LinkedIn Group – network and share ideas
• View HAIC webpages
• Save the date – the next HAIC event will take place - April 2021 - exact date/time TBC (based off survey feedback)
• Invitations will be sent to group once programme is finalised
Take part in our 2021 HAIC member survey

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Or

• Enter:

www.dhi-scotland.com/innovation/innovation-clusters/healthy-ageing/
Join our digital health and care network

• Scan the QR code →

Or

• Enter:

www.dhi-scotland.com/join-our-network