The AHSN Network

Transforming Health and Social Care Services

The Innovation Exchange and SBRI Healthcare

11 Octo2018

UNIVERSITY OF CAMBRIDGE
Judge Business School

Yale

NHS England

- National Director NHS – leading £81m innovation programme
- Fellow of the Judge Business School, Cambridge
- Graduate of the Global Health Leadership, Yale University
- Formerly board member of 5 public and private boards
- Formerly Special advisor to Secretary of State for Health
- Politics graduate with 20+ years of national political

The new technology

This low-cost, wireless cardiac monitor resembles a lightweight Band-Aid strip that adheres to a patient's body.

Forces shaping global healthcare

- Population pyramids are inverting
- Chronic disease will dwarf other needs
- Patient expectations are rising
- Emerging markets will be a large driver of growth across all markets
- Financial pressures will require focus on productivity
- Health systems shifting to integrated care and outcomes based payments
- Explosion of patient level healthcare data
- Innovation is rapidly evolving the life sciences towards convergence

The AHSN Network

15 Academic Health Science Networks (AHSNs) across England.

- 15 Academic Health Science Networks, complete coverage of England
- Five-year licence to drive innovation, adoption and spread
- Working nationally to deliver major programmes such as the Accelerated Access Review and the Innovation Exchange
- Working locally to support transformation and improvement, linking with STPs and other key partners

www.ahsnnetwork.com

Ideas into Practice

SBRI HEALTHCARE

Co- create new innovations

- Define problems: 3-5 year
- Create solutions through competitive process
- Invest in their co-development
- Develop solutions that bring patient & economic success

The **INNOVATION** *Exchange*

Support adoption

- Define problems: 1-3 year
- Support NHS to adopt ready to use solutions
- Support innovators to navigate & connect
- Broker solutions that bring patient and economic value

The **AHSN** *Network*

AHSN support

- Access to key clinicians
- Access to patient groups
- Trial/pilot sites
- Roll out from one to many

SBRI team support

- Health Economic analysis & market access understanding
- Support through ethics approval & establishing clinical trials
- Connection to UKTI, HMRA & others

SBRI funds

Phase 1 award: £100k – 6 months

Phase 2 award: up to £1m

SBRI supported companies - the story so far 2013/2018

£30m
More than **£30 Million** of savings secured for the NHS

1502
Approx number of active sites (trials and sales)

45
Intellectual Property (IP) patents, copyright and trademarks awarded

£81m
Total funds awarded

1.2m
Approx. number of patients benefitting from NHS trials & sales

21
Companies exporting SBRI Healthcare funded products

60
SBRI Healthcare funded products on market and available to buy

£185m
Additional funding leveraged through grants and venture capital

1050
Jobs created or safeguarded

164
Total number of contract awards

sbrihealthcare.co.uk

From bench to bedside – case studies

Owlstone Medical -

Ambition to save 100,000 lives & $1.5bn in healthcare costs
Early detection of lung cancer is first target.
Colorectal Cancer next target:.

Medium term: stratification of asthma treatment.
Analysis of non-invasive biomarkers in breath.
Company supported to connect Clinical leads, patient voice & backed for investors

Brain Miner is developing Diagnosis in Dementia (DIADEM), an automated, extensible, and personalised healthcare platform for assisting the clinical diagnosis of dementia. DIADEM using currently available imaging data by delivering a software infrastructure that can automatically and intelligently analyse MR imaging data and feed the results to the end-user clinicians in a visually intuitive fashion.

Dovetail:

Working with blockchain solutions to give patients full control of their healthcare records and deliver collaborative exchange of data between health services.

Increasing accountability and mitigating risk and maximising health outcomes for patients.

From bench to bedside – case studies

iplato
connecting patients
transforming healthcare

iPLATO digital hub with a population-wide, multi-channel patient engagement platform connected to consenting GP practices. It allows regional teams working in partnership with GP surgeries to run powerful, data driven, patient engagement campaigns across SMS.

365response

365 response has a number of cloud-based technology solutions for transportation companies, councils, facilities management organisations and community and social care transport providers.
They offer a complete transport and flow system, with auditable compliance.

adi advanced digital institute

umotif

my mhealth

uMotif/ADI/MyMHealth

A range of companies with patient engagement and condition management tools.

ADI – pain management
uMotif – participation and informed patients
My mHealth – chronic condition management tools.

How the innovation exchange works

1. Innovator support and sign posting

A range of support for Innovators – SMEs, clinical entrepreneurs, digital, medtech, biotech.
Support to engage with the Innovation Exchange and across the NHS

2. Needs Articulation

Patients, clinical, managerial voices drawn in to help define needs.
Needs will reflect the market opportunity as well as the efficiency expectations of the NHS.

3. Real world validation

Pathway testing of clinically validated innovations – to enable workflow, training and system planning to be tested.
Economic and impact reviews will be shared across the AHSNs

6. Adoption and spread

Some products will be adopted in regionally supported activity others in nationally led programmes

The AHSN Network

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