

NIHR Clinical Research Network

Lyndon Bridgewater – Industry Strategy Manager
CRN Eastern

National Institute for Health Research: integrated health-research system

Invention

Evaluation

Adoption

Early-phase clinical Research

Late-phase clinical Research

NIHR Biomedical Research Centres

NIHR Clinical Research Facilities

Experimental Cancer Medicine Centre

Medtech and In vitro diagnostic
Co-operatives (MICs).

**> £0.5 billion p.a. investment in relevant
infrastructure to support clinical research at all
points in development pipeline**

NIHR Clinical Research Network

Collaboration for Leadership in Applied Health Research and Care

NIHR Clinical Research Network

- Research active engaged clinicians across all 30 therapy areas
- Detailed understanding of care pathways
- 15 Local Clinical Research Networks (LCRNs)
- Allows flexible deployment of resources
- Links with rest of UK



Some stats

Financial year 2017/18:



725,333
patients recruited
50,112 recruited
into commercial
studies
28.8% of those into
MedTech
= 14,443 patients



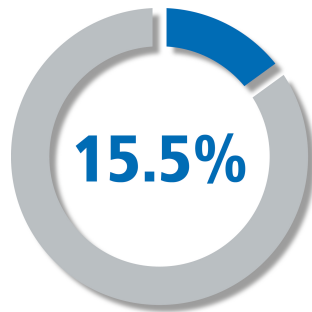
Time and Target
80% for non
commercial
74% for commercial
= 88% for MedTech



99% NHS trusts
research active
82% commercial
= 126 NHS
trusts in
England

Some stats

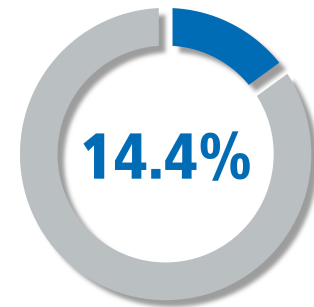
Financial year 2017/18:



Of the
697 commercial
new studies
added last year
15.5% were
MedTech
= 108 studies



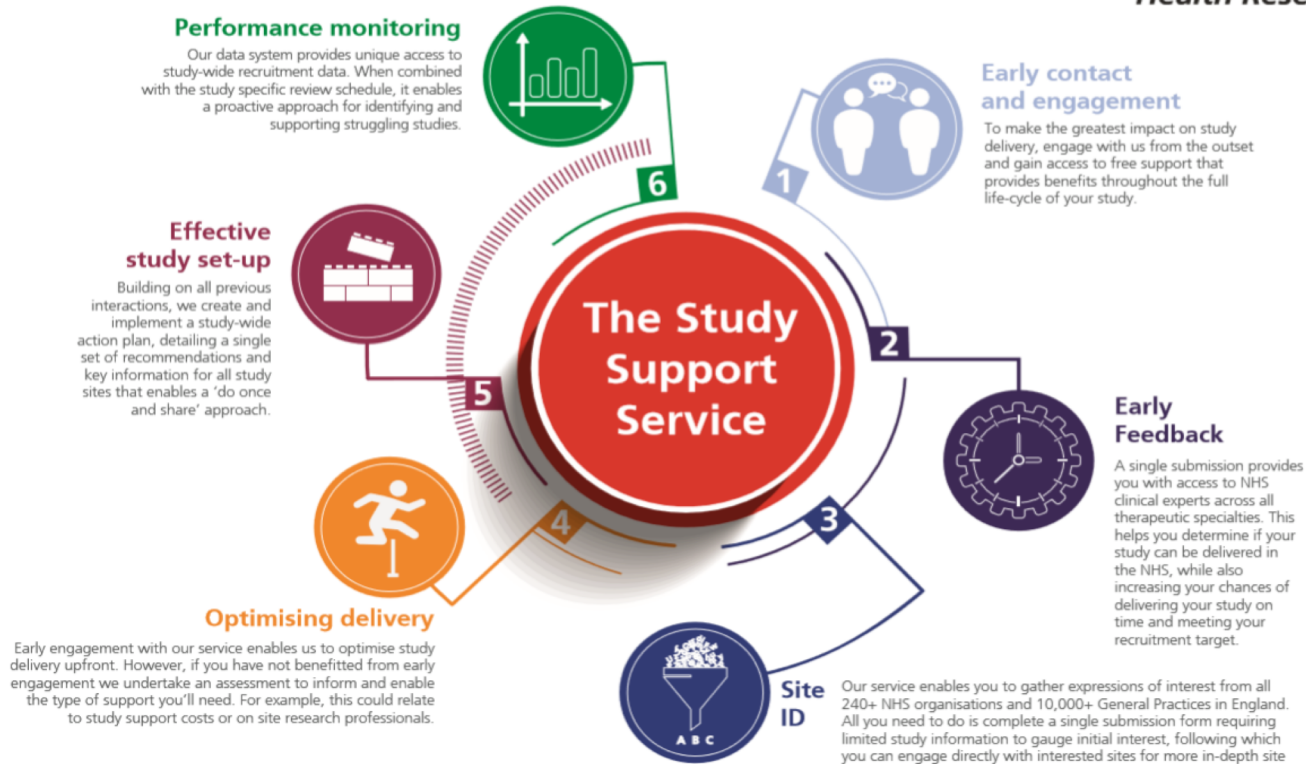
Growth in
volume
compared to
previous year
1.2% increase in
Medtech



Of the
1,102 commercial
studies that were
open to recruitment
14.4% were
MedTech
= 159 studies

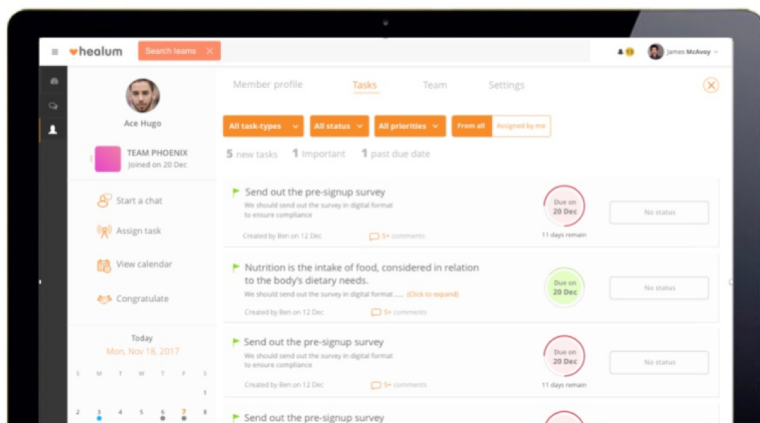
Service summary

Contact our Study Support Service helpdesk for more information:
 e: supportmystudy@nih.ac.uk t: 0113 343 4555 w: www.supportmystudy.nih.ac.uk



Case study: Healum

- UK medtech SME company
- Creates digital solutions that enable healthcare professionals to empower, support and motivate their patients to make healthier choices to tackle chronic diseases
- The product is a digital solution formed of two parts:
 1. online software for use by GPs which is linked to
 2. a mobile app for use by patients on their phone, tablet or laptop
- Pilot - product it has been customised to help manage type 2 diabetes

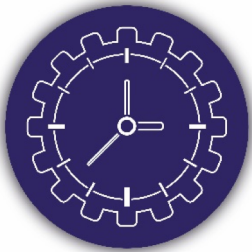


Case study: Healum

- 2 tools: App (patient) and online portal (GP/HCP)
- together become a platform for the patient and GP to work together
- automatically pull in information from a variety of sources
- enable the HCP and patient to co-create a customised healthcare plan
- ability to track key usual health indicators
- gathers relevant local resources from the internet for GP to recommend to the patient via the app
- patient saves or dismisses
- app uses algorithms to learn likes dislikes
- result is a convenient, personalised, interactive healthcare plan
- continually suggesting new ideas = patient engaged



Case study: Healum



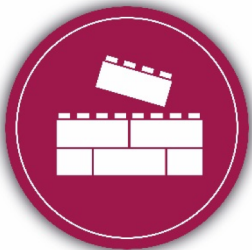
Early Feedback

- confirmed that the study would be feasible in the NHS
- highlighted some potential problems to avoid



Site Identification

- seeking 20 sites
- used single online submission
- returned 117 expressions of interest meeting company criteria
- included clusters and CCG = total 130 sites



Effective Study Set-up

- guided in using the Primary Care Costing Template
- company reduced the number of sites to stay within budget

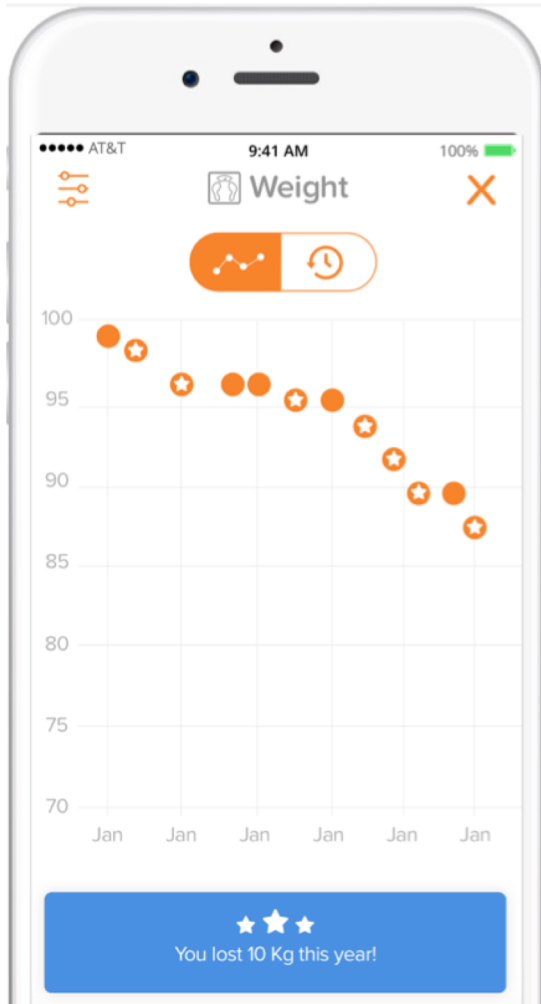
Case study: Healum

Cassandra Baiano, Research Lead and Partnerships Manager for Healum:

“The response was huge, more than we expected. Some of the expressions of interest were from clusters of practices and even one CCG, which meant the total number of practices interested in piloting our app was over 130. This was great because immediately we knew there was an appetite out there and a clinical need to be met....We now have a strong list of sites we intend to work with.”

“The Network team in Manchester helped us to complete the costing template which was invaluable. We quickly realised we needed to reduce the number of sites from 20 to 15 to stay within planned budget.”

Case study: Healum



Added value

Network helped Healum to engage:

- an academic chief investigator
- a CCG (Clinical Commissioning Group) or primary care federation)

“Having received the expressions of interest, we were also able to engage our delivery partners and academic chief investigator, again the Network helped to pull this collaboration together. We were extremely pleased to enlist an academic investigator from Manchester University who will conduct an independent analysis and write up the findings of the pilot.”

Cassandra Baiano, Research Lead and Partnerships Manager for Healum

Case study: PneumRx



- US-based company
- RePneu endobronchial coil - implantable device that improves lung function and quality of life in emphysema patients.

“This study is the first time our company have been involved with the NIHR Clinical Research Network. We were advised that getting the study accepted on the NIHR Clinical Research Network Portfolio would be a good way to raise awareness in the UK of coil technology and its benefits for patients. The Network as a whole has advised and provided support for ethics approvals as well as advising on the set-up of the study. And we’ve also used tools such as the costing template to help us get up and running.”

Mark Chambers, PneumRx’s Sales Manager for the UK and Ireland

Case study: MORDIS study

- The NIHR supported SpectraScience to develop the WavSTAT4 Optical Biopsy System®
- Device provides quick, accurate analyses of colorectal polyps and lesions using laser-induced autofluorescence

Clinical / patient benefits:

- Device shown to have 96% accuracy in predicting when a polyp is benign.
- Reduces need for removal of harmless polyps
- Less invasive and improved outcomes for patients
- Reduces laboratory and treatment costs and clinician time



Case study: MORDIS study

Connecting and collaborating

- NIHR Surgical Medtech Co-operative
- Connected SpectraScience to the expert investigators
- helped translate the light-based technology into the clinical setting and develop a feasible study protocol

Study delivery

- NIHR Study Support Service
- Study set-up, including obtaining relevant R&D permissions
- Clinical Trial Assistant to help with patient identification, screening and administrative tasks.
- The UK recruitment target: 100 patients.
- Study closed as planned in August 2016 - 122 patients recruited

WavSTAT4® is now CE marked and has been used at St James's University Hospital as part of a European trial.

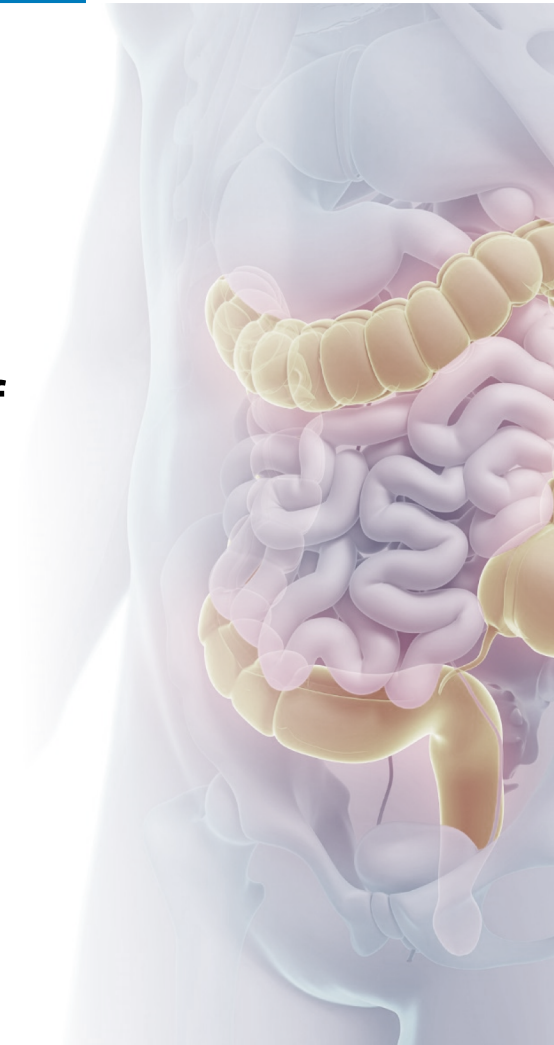
Case study: MORDIS study



“It was extremely helpful to have the services of [NIHR] connect us with Dr. Subramania. With their help we were able to conduct our clinical evaluation with investigators who are both influential and engaged with improving the state of cancer diagnostics to benefit NHS patients.

Their knowledge and professionalism was critical to our success.”

Michael Oliver, President and CEO of SpectraScience



Any questions?



Network **Industry Information Centre**

Phone: 00 44 113 34 34 555

Email: supportmystudy@nihr.ac.uk

Web: www.supportmystudy.nihr.ac.uk

Local Network **CRN: Eastern**

Phone: 00 44 1603 287457

Email: industry.crneastern@nihr.ac.uk

or lyndon.bridgewater@nihr.ac.uk