



Health Care  
Doctor  
Hospital  
Pharmacist  
Nurse  
Dentist  
First Aid  
Surgeon  
Emergency

**NHS**

National Institute for  
Health Research

# HEALTHCARE TECHNOLOGY CO-OPERATIVES CAPABILITIES AND EXPERTISE

## NUMBER OF COMPANY COLLABORATIONS:

2013/14  236

2014/15  354

## HTC IMPACT AND REACH

## NUMBER OF ACTIVE PROJECTS:

2013/14  76

2014/15  151

## TOTAL MONEY SECURED TO SUPPORT MEDTECH PROJECTS:

2013/14  £50 million

2014/15  £80.5 million

# ABOUT THE HTC<sub>s</sub>

NIHR Healthcare Technology Co-operatives (HTCs) are patient-focused **centres of expertise** that develop novel solutions in clinical areas where there is high unmet need. They form a national network that provides world-leading expertise in a wide range of therapeutic areas to drive new medical devices, healthcare technologies and technology-dependent interventions from the laboratory into the clinical research setting.

The HTCs work with patients, carers, NHS, charities, academia, inventors, SMEs, businesses and entrepreneurs across the UK to support the development of new medical devices and healthcare technologies.

Through this collaborative approach, the HTC's can provide detailed clinical insight and an understanding of the effect of introducing new innovations.

All HTCs have knowledge and expertise to provide:

- clinical insight
- potential market evaluations
- access to clinicians
- commercialisation support
- public and patient involvement
- patient-centred design
- early phase evaluation.

# A NATIONAL NETWORK OF HTC'S

## NIHR Wound Prevention and Treatment HTC

**Bradford Teaching Hospitals NHS Foundation Trust**  
Transforming wound care and wound prevention services by developing and rapidly introducing new technologies

## NIHR Devices for Dignity HTC

**Sheffield Teaching Hospitals NHS Foundation Trust**  
Developing technologies to preserve dignity and promote independence for patients with long-term conditions

## NIHR Trauma Management HTC

**University Hospitals of Birmingham NHS Foundation Trust**  
Translation of technology from concept to trauma care across four themes: immediate care, secondary care, regeneration care, rehabilitation translation

## NIHR MindTech HTC

**Nottinghamshire Healthcare NHS Foundation Trust**  
Accelerating the development, evaluation and adoption of technology to improve mental health and help people with dementia

## NIHR Colorectal Therapies HTC

**Leeds Teaching Hospitals NHS Trust**  
Developing minimally invasive therapies for colorectal disease

## NIHR Enteric HTC

**Barts Health NHS Trust**  
Accelerating development, trialling and implementing new diagnostics and treatments to improve the quality of life of people suffering from gastrointestinal disease

## NIHR Brain Injury HTC

**Cambridge University Hospitals NHS Foundation Trust**  
Patient-inspired innovations for the prevention, treatment, monitoring and recovery of brain injury patients

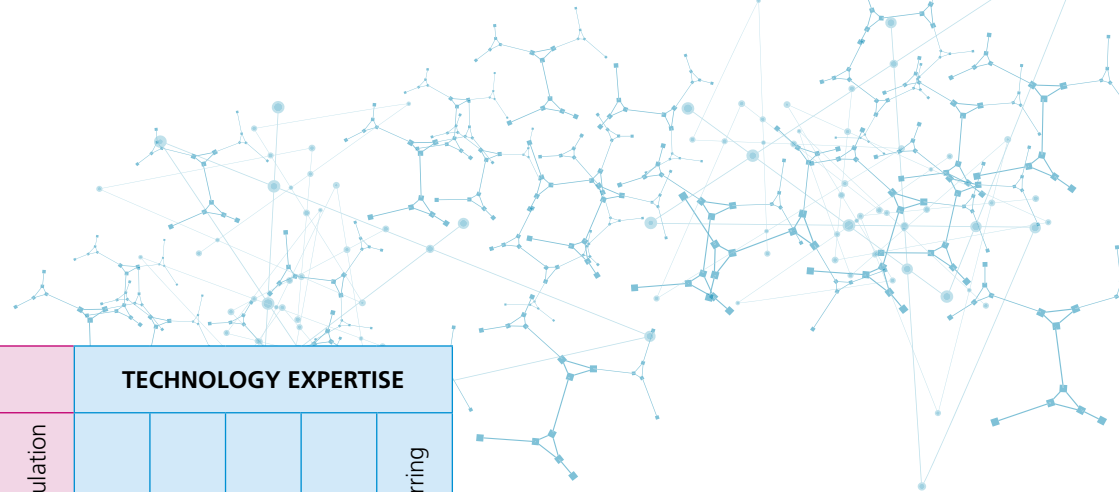
## NIHR Cardiovascular HTC

**Guy's and St Thomas' NHS Foundation Trust**  
Identifying, encouraging and facilitating development of medical devices and technology-led solutions that improve the diagnosis, treatment and well-being of patients with cardiovascular disease

# NIHR HTC CAPABILITIES AND EXPERTISE

This matrix provides an overview of the skills and areas of expertise available within each HTC.

Healthcare Technology Co-operative	TECHNOLOGY INTERVENTION							TECHNOLOGY EXPERTISE					Other specialities
	Rehabilitation	Self-monitoring	Diagnostics	Remote monitoring	Digital	Surgery	Electrical stimulation	Informatics	Imaging	Robotics	Paediatrics	Tissue engineering	
Brain Injury	●	●	●	●	●	●	●	●	●	●	●	●	<ul style="list-style-type: none"> <li>→ Cognitive, emotional and physical rehabilitation using tele-rehabilitation</li> <li>→ Clinical registries</li> <li>→ Multi-modality monitoring and analytics</li> <li>→ Neuro rehabilitation</li> <li>→ Intensive care monitoring</li> </ul>
Cardiovascular Disease			●		●	●		●	●	●	●		<ul style="list-style-type: none"> <li>→ Medical devices and interventions</li> <li>→ Co-diagnostics and biomarkers of disease</li> <li>→ Medical image processing</li> <li>→ Clinical trials</li> </ul>
Colorectal Therapies		●		●		●			●	●			<ul style="list-style-type: none"> <li>→ Recovery post-surgery</li> <li>→ Trial design</li> </ul>
Devices for Dignity	●	●	●		●		●			●	●	●	<ul style="list-style-type: none"> <li>→ Assistive technology</li> <li>→ Urinary incontinence</li> <li>→ Renal disease</li> <li>→ Medtech design and risk management</li> </ul>
Enteric			●		●	●	●		●		●	●	<ul style="list-style-type: none"> <li>→ Faecal incontinence</li> <li>→ Trial design, GORD/IBD/Pelvic floor disorder</li> </ul>
MindTech	●	●	●		●			●			●		<ul style="list-style-type: none"> <li>→ Digital interventions</li> <li>→ Sensing and signal processing</li> <li>→ Health economics</li> </ul>
Trauma Management	●	●	●	●	●	●		●	●	●	●		<ul style="list-style-type: none"> <li>→ Tissue regeneration</li> <li>→ Roadside monitoring systems</li> </ul>
WoundTech		●	●	●	●	●	●		●		●	●	<ul style="list-style-type: none"> <li>→ Self-management</li> <li>→ Pressure ulcers</li> <li>→ The Burden of Wounds study</li> </ul>



## HTC WEBSITES

Discover the impact of the NIHR HTCs and find case studies showcasing the innovations they have supported.

NIHR Brain Injury HTC [brainhtc.org](http://brainhtc.org)

NIHR Cardiovascular HTC [cardiovascularhtc.org](http://cardiovascularhtc.org)

NIHR Colorectal Therapies HTC [colorectal.htc.nihr.ac.uk](http://colorectal.htc.nihr.ac.uk)

NIHR Devices for Dignity HTC [devicesfordignity.org.uk](http://devicesfordignity.org.uk)

NIHR NIHR Enteric HTC [bowelfunctionhtc.org.uk](http://bowelfunctionhtc.org.uk)

NIHR Mental Health (Mind Tech) HTC [mindtech.org.uk](http://mindtech.org.uk)

NIHR Trauma Management HTC [trauma.htc.nihr.ac.uk](http://trauma.htc.nihr.ac.uk)

NIHR Woundtech HTC [woundtec.htc.nihr.ac.uk](http://woundtec.htc.nihr.ac.uk)

### Working with the NIHR HTCs

If you are interested in working with one of the NIHR HTCs, contact them directly via the respective website or contact:

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Minerva House, 5 Montague Close, London SE1 9BB

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