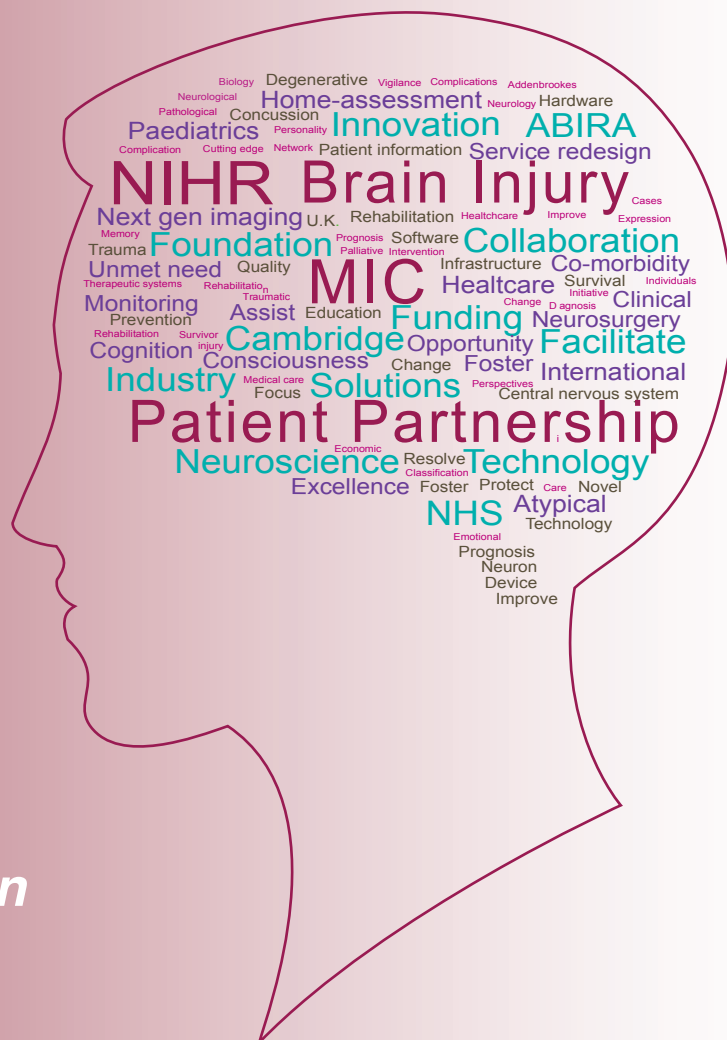


# Brain Injury MedTech Co-operative



# National Institute for Health Research



*Public Empowerment*

*through*

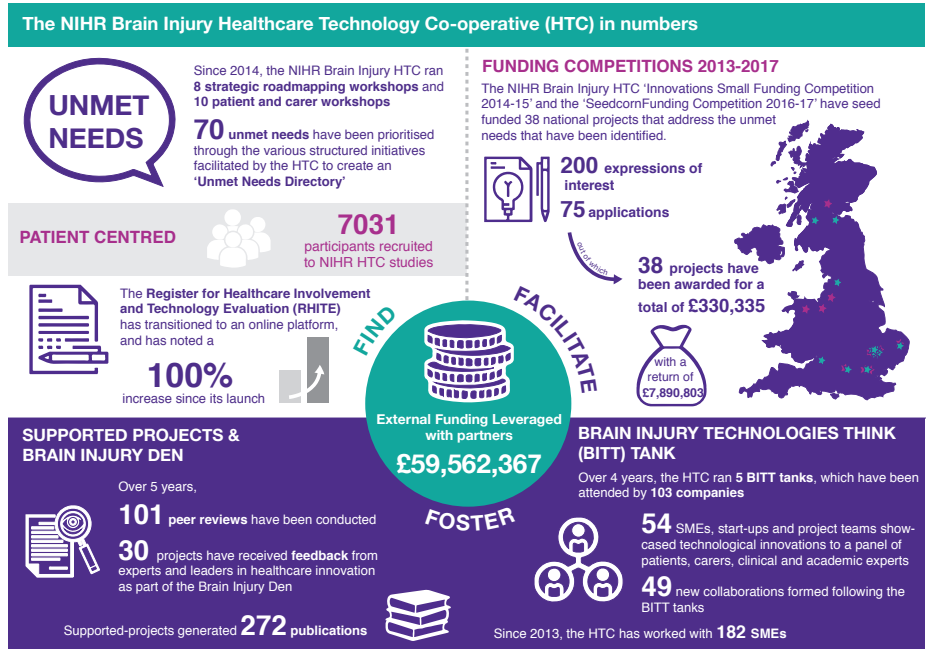
*Patient Inspired Innovation*

## ABOUT US

The NIHR Brain Injury MedTech Co-operative is one of the eleven MedTech Co-operative and In Vitro Diagnostic (MICs) funded by the NIHR across the country. The MICs facilitate collaboration with patients, carers, NHS, charities, academia, inventors, SMEs, business angels and medtech companies.

The MICs catalyse innovation in clinical areas of unmet needs for NHS patients and is committed to develop new concepts, demonstrate proof of principle and devise research protocols for medical devices, healthcare technologies and technology-dependent interventions.

The NIHR Brain Injury MIC will build on the significant achievement of the NIHR Brain Injury Healthcare Technology Co-operative (HTC).



## THE CLINICAL NEED

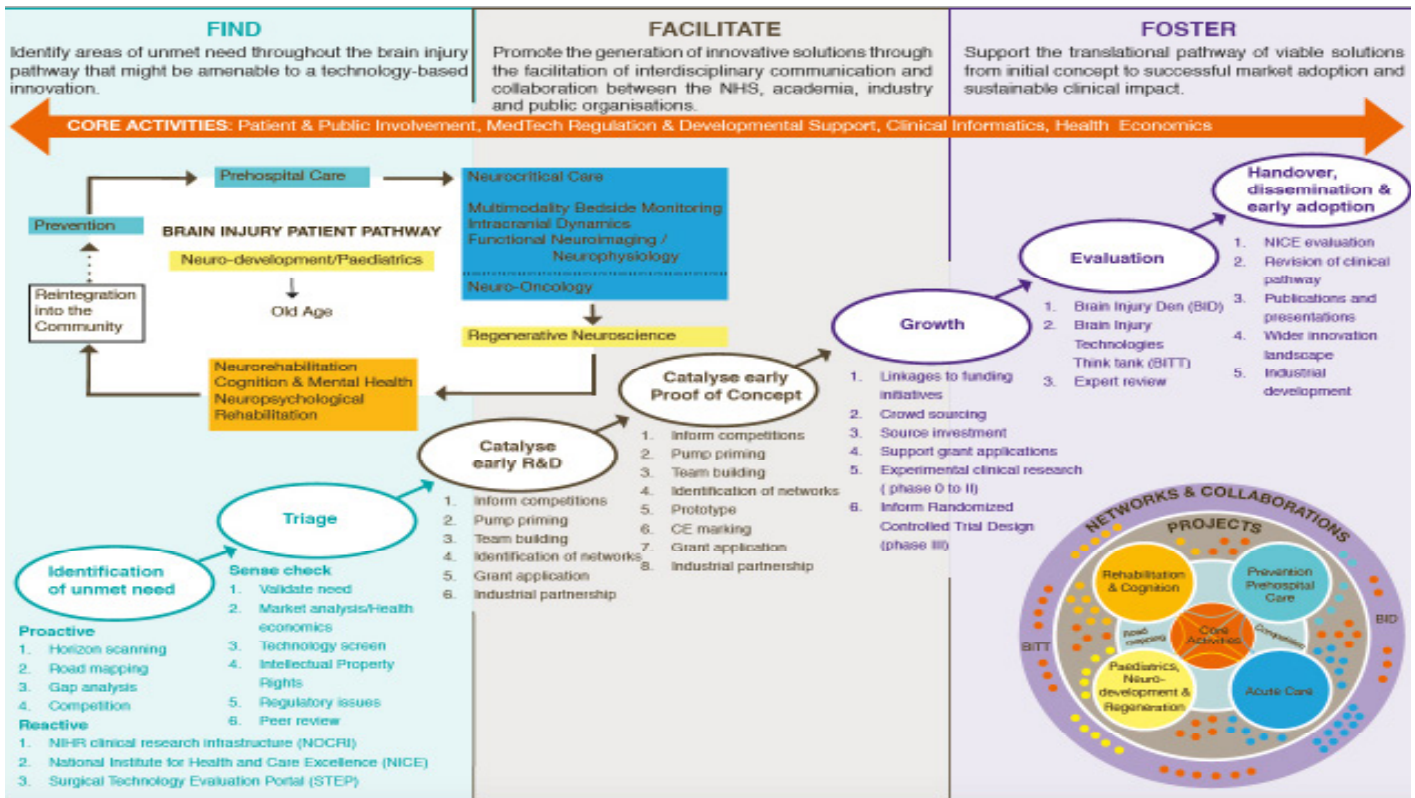
Head injury is the commonest cause of death and disability in people aged 1-40 years in the UK. Each year, 1.4 million people attend emergency departments in England and Wales with a recent head injury. Between 33% and 50% of these are children aged under 15 years (*NICE Guidance on Head Injury: Assessment and Early Management: 2017*). This leads to a range of disabilities including complete dependency and vegetative state. Even mild injuries may result in significant cognitive and emotional disability with implications for return to work and family harmony.

The UK has had a major role worldwide in the study of the management of brain injury to which the MIC contributes by establishing a collaborative environment and network between clinicians, scientists, Industry/SMEs and patients.

# OUR APPROACH

## The NIHR Brain Injury MedTech Co-operative aims to:

- **Find:** Identify areas of unmet need throughout the brain injury pathway that might be amenable of a technology-based innovation.
- **Facilitate:** Promote the generation of innovative solutions through the facilitation of interdisciplinary communication and collaboration between the NHS, academia, industry and public organisations.
- **Foster:** Support the translational pathway of viable solutions from initial concept to successful market adoption and sustainable clinical impact.



For more information, please visit our website: [www.brainmic.nihr.ac.uk/Our-Approach/](http://www.brainmic.nihr.ac.uk/Our-Approach/)

# THE CORE TEAM

**Honorary Director** - Professor (Emeritus) John Pickard

**Deputy Director, MedTech Evaluation** - Dr Peter Jarritt

**Deputy Director, Clinical Informatics** - Dr Alexis Joannides

**Programme Manager** - Ms Mita Brahmhatt

**Programme Coordinator** - Ms Francesca Piffer

**Patient and Public Involvement (PPI) Lead** - Professor Christi Deaton

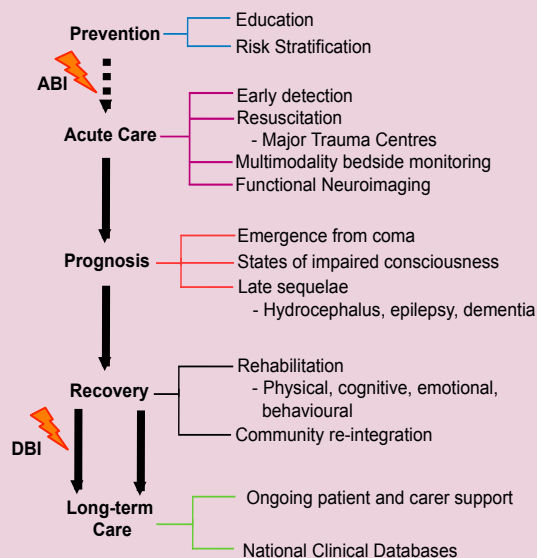
**Health Economics**

## THEMES

The NIHR Brain Injury MIC provides a 'go-to' centre of expertise for understanding the clinical care pathway.

Our work is divided into eleven key themes led by internationally renowned experts in their respective field:

- 1. Pre Hospital and Prevention** - Professor Mark Wilson
- 2. Neurocritical Care** - Professor David Menon
- 3. Multi-Modal Monitoring** - Professor Peter Hutchinson
- 4. Intracranial Dynamics and Shunt Technology** - Professor Marek Czosnyka and Dr Peter Smielewski
- 5. Functional Neuroimaging and Neurophysiology** - Professor Franklin Aigbirhio
- 6. Neuro-oncology** - Mr Stephen Price
- 7. Paediatrics and Neurodevelopment** - Professor David Rowitch and Professor Topun Austin
- 8. Regenerative Neuroscience** - Dr Mark Kotter
- 9. Neurorehabilitation** - Professor Val Pomeroy
- 10. Cognition and Mental Health** - Professor Barbara Sahakian
- 11. Neuropsychological Rehabilitation** - Dr Andrew Bateman



## JOIN US

### Register for Healthcare Involvement and Technology Evaluation (RHITE)

The NIHR Brain Injury MIC has initiated the implementation of the 'Public Empowerment through Patient Inspired Innovation' vision and is committed to engaging patients and carers throughout its work programme. We believe strongly that research should focus on questions that are important to people with brain injuries, and those who care for them. To ensure that patients and carers have a voice, we invite people whose lives have been affected by a brain injury to get involved in our work.

### *Get involved in the work of the Brain Injury MedTech Co-operative!*

We have developed a volunteer register for patients, carers and anyone interested to assist in the advancement of healthcare technologies. If you are interested in the work of the NIHR Brain Injury MIC, we invite you to join our Register for Healthcare Involvement and Technology Evaluation (RHITE). Joining the register does not commit you to do anything. Periodically we will send you our newsletter and details of any opportunities there may be to take part in Brain Injury MIC activities. These may include:

- taking part in surveys
- taking part in workshops
- getting involved in other NIHR Brain Injury MIC activities and events

You can register online on: <https://orioncloud.org/rhite> or by downloading a form from our website and posting a printed copy or emailing an electronic copy to us. You can also contact us at [info@rhite.org](mailto:info@rhite.org) and we will send you a hard copy of the form.

For more information and frequently asked questions about joining our register please visit: <https://brainmic.nihr.ac.uk/rhite>

## GET INVOLVED!



## **Contacts**

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Website: [www.brainmic.nihr.ac.uk](http://www.brainmic.nihr.ac.uk)

Twitter: @NIHRBrainMIC