

# THE SYSTEM LEADER

Sharing health innovation news across Greater Manchester

Welcome to the May edition of the Health Innovation Manchester bulletin, bringing you news, events and insights from across Greater Manchester's academic health science system and life sciences sector.

[#WeAreHInM](#)

## Health Innovation Manchester News



### Health Innovation Manchester: National projects in focus



**153** people diagnosed with irregular heart rhythm Atrial Fibrillation (AF) through use of new med-tech

**147** People with chronic joint pain

completed ESCAPE-pain education and exercise programme

**933** emergency laparotomies

in hospitals implementing new safety pathway



**400** AF devices deployed

across GP practices and community services



**120** GP practices

Using digital innovation to reduce medication errors in primary care



**76%** of eligible mothers in pre-term labour

offered magnesium sulphate treatment to reduce the chance of their baby developing cerebral palsy

**237** completed TCAM medication review referrals

Supporting patients to stay safe after they leave hospital



**Collaborating across systems**

Providing high quality care for mental health service users in GM



Per dose, treatment costs



£1

Reduces risk by

**30%**

## Hundreds of people benefit from implementation of wide-ranging health and care innovations across Greater Manchester

Over the past year, Health Innovation Manchester, the organisation responsible for accelerating proven

innovation into the region's health and social care services at pace, has worked on several national innovation programmes designed to improve health outcomes for local people.

The programmes, which include implementation of med-tech, surgical care pathways and digital solutions to improve medication safety, have been selected for adoption and spread by NHS England through Academic Health Science Networks (AHSNs), including Health Innovation Manchester. Key highlights from our work include the deployment of 400 devices to detect Atrial Fibrillation across GP practices and community services and 120 GP practices using a digital dashboard to reduce medication errors in primary care.

Julie Halliwell, Associate Director Programmes & Performance at Health Innovation Manchester, said: "We work collaboratively with partners across the health and care system to bring new products and services into the NHS that will improve patient care, support people to live well and increase productivity for all."

[Read more](#)



## **COPD patients in Greater Manchester empowered to improve their health through new online support and education app**

Patients with chronic obstructive pulmonary disease (COPD) in Greater Manchester are now able to access a new app to help them self-manage their condition. myCOPD is a web-based application providing education, pulmonary rehabilitation and disease management tailored to the individual user.

Patients can use their smartphone, tablet or computer 24/7 to manage their health online, with the app providing a self-management plan and inhaler diary, an exercise programme, online education tutorials

such as inhaler videos, weather and pollution forecasts, and symptom reporting.

myCOPD educates and empowers patients to take more control of their own care, helping to bring improvements in inhaler use and compliance with other treatments.

Health Innovation Manchester has secured over 6,000 app licences which are being deployed across localities and offered to patients as part of their COPD care.

The roll-out of myCOPD is part of Health Innovation Manchester's wider COPD programme which involves working with health and industry partners to improve the care and treatment of people with COPD through the most innovative and effective healthcare approaches.

[Read more](#)



## **New film shows how ESCAPE-pain classes have changed lives of patients**

Patients in Cheshire who have completed ESCAPE-pain classes in Cheshire have described their experiences as "life changing" and said it has supported them with their chronic joint pain.

ESCAPE-pain (Enabling self-management and coping of arthritic pain through exercise) is a rehabilitation programme for people with chronic joint pain that integrates core recommendations around self management, and coping strategies as well as undertaking exercise.

It is one of the national AHSN Network programmes which Health Innovation Manchester is working to spread across Greater Manchester and Eastern Cheshire.

Watch this video to see how the programme has changed people's lives.

[Read more](#)



## Greater Manchester COPD Virtual Learning Hub officially launches

Clinicians across Greater Manchester can now access online support and resources to aid in their care for patients with chronic obstructive pulmonary disease (COPD).

Health Innovation Manchester has collaborated with Health Education England to develop a COPD Virtual Learning Hub hosted by GP Excellence. The comprehensive learning tool is free to use and is aimed at clinicians across the system in Greater Manchester.

It will provide a step-by-step approach to understanding the Greater Manchester Medicines Management Group (GMMM) COPD Guidelines and virtual clinic model through useful videos and links to resources including documents covering pulmonary rehabilitation and smoking cessation.

[Read more](#)



## New project to prevent fractures could save NHS millions if scaled-out

An innovative new approach to reduce the risk of older people breaking bones could save the NHS over £35 million across the North of England, if it is fully scaled-out across the region.

The project will identify patients at high risk of breaking bones, evaluate medications and treat those patients, where appropriate, with a bone-sparing agent to improve bone density.

Following development and testing by the AHSN North East and North Cumbria and the Innovation Agency (AHSN for the North West Coast), Health Innovation Manchester and Yorkshire and Humber AHSN are now implementing the project.

The Northern AHSNs will be working in partnership with AMGEN, The Northern Health Science Alliance (NHSA) and Interface to deliver the approach to targeting fracture risk assessment and bone-sparing medication review at a primary care level.

[Read more](#)



## Health Innovation Manchester leaders speak at Westminster Health Forum

Senior representatives from the NHS, local government, third sector and life sciences industry descended on Manchester on 29 March to discuss the opportunities and key challenges around integration, innovation, and tackling inequalities across the city region.

Professor Ben Bridgewater, Health Innovation Manchester's Chief Executive and Dr Tracey Vell, Clinical Director, spoke during the event and highlighted the impact and opportunities for collaboration and innovation driven by devolution and Health Innovation Manchester.

Over the course of the half-day, delegates heard from a range of speakers and debated a number of key topics ranging from the use of data to support health improvement and best practice, to capitalising on the digital health opportunity and addressing the wider determinants of health such as housing and air quality.

[Read more](#)

[Chief Executive Blog](#)



## Professor Ben Bridgewater: Reflecting on the Health Innovation Manchester story

In his latest blog, Health Innovation Manchester's Chief Executive Professor Ben Bridgewater reflects on the organisation's bold ambitions, the opportunities of devolution and the link between economic growth, innovation and population health.

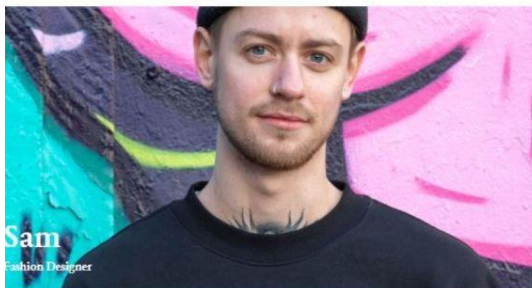


He said: "Health Innovation Manchester is only at the beginning of a long-term plan rooted in bold ambitions.

"But having already delivered significant tangible outcomes in terms of improving health and wellbeing and generating economic growth in such a short space of time – there are no doubts that these ambitions are achievable."

[Read more](#)

## Greater Manchester System News



## Citizens of Manchester campaign tells the story of the city-region through its extraordinary people

Citizens of Manchester – #CitizensofMCR – is a new campaign from Marketing Manchester which tells the story of the city-region through the extraordinary people who live, work and study here.

The campaign has its own website ([www.citizensofmcr.co.uk](http://www.citizensofmcr.co.uk)) and social media channels ([@citizensofmcr](https://twitter.com/citizensofmcr)) and centres around a series of video interviews with people aligned with the city's key sector strengths, narratives and personality traits.

Manchester's unique and collaborative approach to delivering the best possible health and social care is among the narratives being brought to life through #CitizensofMCR.

Among more than 30 films produced to date are interviews with Naseer Ahmad, consultant vascular surgeon at Manchester Royal Infirmary (MFT) and leader of the Manchester Amputation Reduction Strategy and Dr Timothy Jung, Director of the Creative AR/VR Hub at Manchester Metropolitan University, who is exploring ways to train surgeons using virtual reality.

Marketing Manchester would love to hear from people and organisations interested in partnerships and collaborations relating to the CitizensofMCR campaign, including nominations for further CitizensofMCR films, content collaborations and live events. Visit their website for more information.

[Read more](#)



## **First patients recruited to Cystic Fibrosis next generation therapy trial**

Research undertaken by the Cystic Fibrosis team at Royal Manchester Children's Hospital is underway with the first patients in the UK recruited to the Aurora F/MF Cystic Fibrosis research study.

The study aims to evaluate if oral medication with a new agent (VX-445) is effective and safe when taken in combination with two other medications; tezacaftor (TEZ) and ivacaftor (IVA), in patients with cystic fibrosis aged 12 years and over.

Cystic Fibrosis (CF) is the most common inherited genetic condition affecting more than

10,400 people in the UK. CF causes thick and sticky mucus to build up in the lungs and digestive system that cause lung infections and problems with digesting fat. Current treatment includes a range of medications to help patients breathe better, prevent infections and get enough nourishment.

The aim is to help researchers understand if this triple combination therapy improves chloride transport (to make mucus less thick) specifically in children with one copy of the F508del (F) mutation genotype and one copy of a minimal function (MF) mutation genotype. Most people with CF inherit two copies of the faulty F508del (F) gene from their parents, but there are more than 1,700 different ways the gene can be damaged.

[Read more](#)



## University of Manchester technology to fight against anti-microbial resistance

Professor Douglas Kell and colleagues have developed novel technology that identifies the most effective antibiotic to kill organisms in urinary tract infections.

Increasing pressures on health services have led to the over-prescription of commonly used antibiotics, more instances of mis-prescription and subsequently, the emergence of antibiotic resistance and an increased reliance on antibiotics of last resort. This novel technology is set to play a vital role in the fight against anti-microbial resistance.

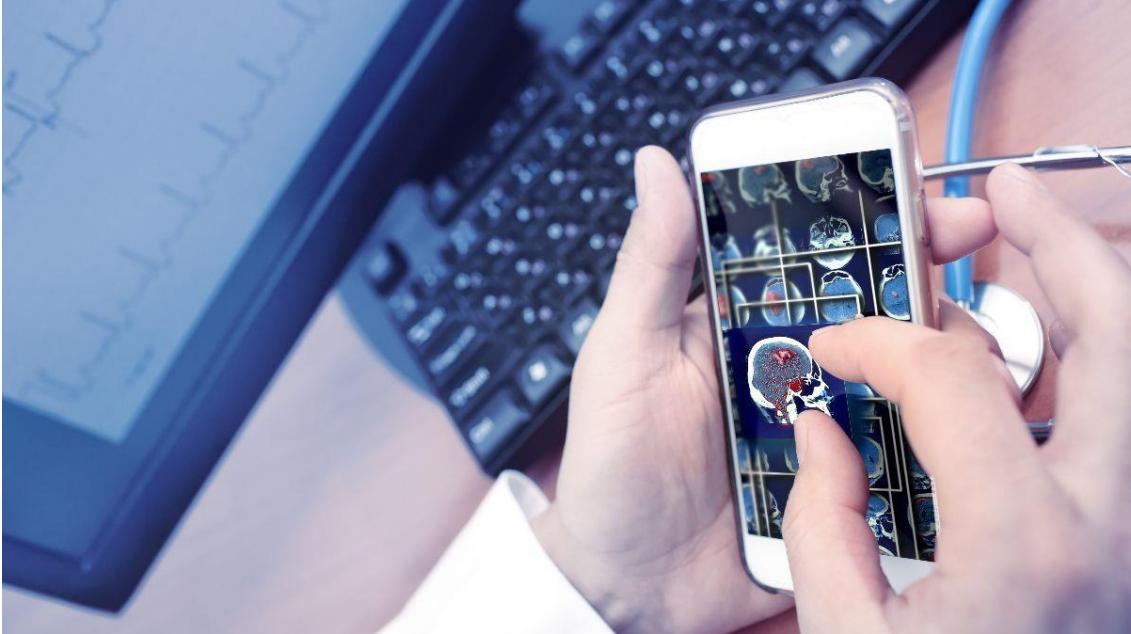
Professor Douglas Kell has developed technology using flow cytometry which detects and counts individual bacteria in a urine sample, and can determine which antibiotic is the most efficient at killing those particular bacteria. The most effective antibiotic can then be prescribed to the patient.

Professor Kell believes the 'precise technology' could be deployed as a portable instrument in GP clinics and hospitals. He said: "What we've been able to do for the very first time is to provide a very rapid method that will enable us to determine whether a particular antibiotic is going to kill the organisms in the urinary tract infection or not. The method is sufficiently rapid that the results would be available in the time before an individual would leave a doctor's surgery."

[Read more](#)



# National News



## Special Briefing: NHSX – Digital and data specialists will help patients, clinicians and carers benefit from better technology

NHSX is the new joint organisation for digital, data and technology. It will work with the NHS and wider digital economy to build digital services and use modern technologies to improve care for patients and enable medical research.

The organisation will use experts in technology, digital, data and cyber security to deliver on Health Secretary Matt Hancock's tech vision and the Long Term Plan for the NHS. NHSX is a joint unit with powers and leadership from Department of Health and Social Care, NHS England, NHS Improvement and will oversee NHS Digital.

From July, NHSX will mandate the use of internationally-recognised technology and data standards across the NHS to ensure all systems can talk to each other. When starting a new digital project, NHS suppliers and commissioning organisations will have to show that they meet these standards.

[Read more](#)

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## AHSN patient safety work showcased in national awards

Five AHSNs (East Midlands, Imperial College Health Partners, Innovation Agency, Oxford and West of England) have made it through to the finals of the HSJ Patient Safety Awards 2019, which recognise, reward and thank the hardworking teams and individuals who are improving healthcare outcomes for patients.

The next round of judging takes place in early May, when the teams will present their entries to a panel of judges. The winners will be announced on 2 July at Manchester Central on the first evening of the Patient Safety Congress.

Natasha Swinscoe, the AHSN Network's Chief Officer Lead for Patient Safety, said: "We're thrilled to see such a broad cross-section of AHSN patient safety work being showcased at this year's HSJ Patient Safety Awards. This is a testament to the AHSN approach of working with our regional NHS member organisations to understand their needs and priorities on the ground, while connecting at a national level to share learning and best practice."

[Read more](#)

## Opportunities and support

**Job: Non-Executive Director**

**Contract: 12 months**

**Hours: Three to four days per month**

**Salary:** £13,000 per annum

**Deadline:** 05/05/2019

**[Find out more on our website](#)**

## **Health Innovation Manchester**

Health Innovation Manchester have opportunities for additional Non-Executive Directors to join us and achieve our ambition to make Greater Manchester one of the best places in the world to start well, live well and age well. Working as a member of the HInM Board you will provide active leadership, shaping the strategic direction of HInM and ensuring objectives are achieved. You will have relevant external experience in policy and innovation, ensuring HInM benefits from fresh perspectives and ideas.

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## **Health Innovation Manchester Procurement Support Officer**

A great opportunity has arisen for a Finance and Contract Support Officer within Health Innovation Manchester (HInM) hosted by MFT.

**Hours:** 37.5 hours per week

The role will primarily be focused on maintaining the procurement and invoice processing function for HInM with wider scope in supporting bid development for the organisation. HInM are

**NHS AfC Band 4**  
**£21,089 - £25,761 per annum**

**Deadline:** 08/05/2019  
based at Citilabs on the MFT campus off Oxford Road.

**[Find out more on our website](#)**

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## **SME support to evaluate innovative medical technologies**

SMEs can apply for a share of £1.5 million to support the evaluation of innovative medical devices, diagnostics and regulated digital health products. The Office for Life Sciences (OLS) will work with Innovate UK, as part of UK Research and Innovation, to support developers of innovative medical devices, diagnostics and regulated digital technology to evaluate their product in a real world clinical setting. Competition closes: 3 July. Find out more [here](#)

## **Researcher development funding schemes**

The University of Manchester Faculty of Biology, Medicine and Health, has launched two new internal

funding schemes to support researcher development in the faculty. The schemes include the International Conference Attendance Fund; Training, Visits, Workshops and Discipline-Hopping scheme (funded by the Wellcome Institutional Strategic Support Fund); and the Research Collaboration Fund. Find out more [here](#)

## Events

### Health Economics Workshop 9 May

Health Economics is an important aspect to building a Healthcare Business Case. This workshop will cover a range of topics and will provide an overview of the methods of economic evaluation available and how this can be used to present cost effectiveness and impact of health and care technologies. We will also be presenting the Project Assessment Form, a Health Innovation Manchester initiative to support companies looking to approach the NHS with ready-for-market products. [Read more](#)

### Bed Management and Patient Flow Learning Events 13 May & 18 June

Designed in partnership with acute trusts, NHS Digital, NHS England and NHS Improvement, the AHSN Network are hosting of learning events on bed management and patient flow. This two part series includes practical examples of how innovations have improved quality and safety and how organisations have utilised technology to transform data into meaningful solutions and action. [Read more](#)

### ESCAPE-pain Learning Event 15 May

Join Health Innovation Manchester to learn about the ESCAPE-pain programme, share learning with other providers, hear about the patient experience and discuss how to develop a sustainable service in your area. [Read more](#)

### NIHR Greater Manchester PSTRC Annual Symposium 22 May

The NIHR Greater Manchester Patient Safety Translational Research Centre (Greater Manchester PSTRC) is hosting an event surrounding crucial patient safety issues from leading experts. The event will cover key topic of local, national and international relevance including artificial intelligence and patient safety, transitions of care and avoidable harm. [Read more](#)

### Bridging the Gap 3 (The AHSN Network) 4 June

The AHSN Network will host the third "Bridging the Gap " event, aimed at health technology innovators and companies who are interested in accessing the NHS marketplace to improve health and care for patients and citizens, and who have a product or service that is ready for scaling up. [Read more](#)

**Our full events calendar is also available on our website**

[Read more](#)

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## Masterclasses and Courses

- [Maximising learning through reflection: Lessons learned from a reflective portfolio](#) — 9 May  
The Academy for Education and Professional Development
- [An Introduction to Academic Writing](#) — 15 May  
Centre for Academic and Research Development (CARD)
- [Value Creation in Online Communities for Educators](#) — 23 May  
The Academy for Education and Professional Development
- [Clinical Trials Coordination Certificate](#) — 5 June  
Manchester University NHS Foundation Trust

[Read more](#)



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