Expert services and advice

Supporting your innovation and transformation work

Health Innovation East Midlands

August 2024

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What we do

We are Health Innovation East Midlands: *the* health innovation adoption experts and the local innovation arm of the NHS.

We transform lives through innovation by supporting health and social care teams to find, test and implement new solutions at scale to meet the NHS' greatest challenges and drive economic growth.

Since 2013 we have supported hundreds of NHS and health and care organisations to adopt technologies and pathways that respond to local health priorities.

We are fully-embedded in our local health and research ecosystem. We bring together partners across all sectors involved in healthcare including the NHS, social care and public health, patients, research, third sector and industry – to identify, test and spread new ways of working.

In this way we help save NHS money, support the economy, empower healthcare staff, and improve the experience and outcomes of patients.

During 2023-2024 we benefited 620,000 patients and generated £51.4M value to the health, care and technology sector – achieved against funding of £4.99M.

As well as working locally, we come together as 15 health innovation networks (HINs) to oversee a national Innovation Pipeline of 3,000 proven technologies and pathways. This means we can rapidly identify and import solutions to meet local needs.

We don't just signpost to solutions: we offer expert support services from evaluation of new technologies and using data insight to drive transformation, to patient coproduction of innovation, addressing inequalities and quality improvement.

ABOUT THIS GUIDE

Our portfolio of innovations, and expert services is available to our East Midlands partners including Integrated Care Systems, provider collaboratives and individual health and care organisations.

This guide is divided into two main sections: a summary of our innovations and our supporting services.

If you have a challenge that needs an innovation solution, we may have the answer in our innovation portfolio – and if we don't – we can search for a technology or pathway solution from the national Innovation Pipeline.

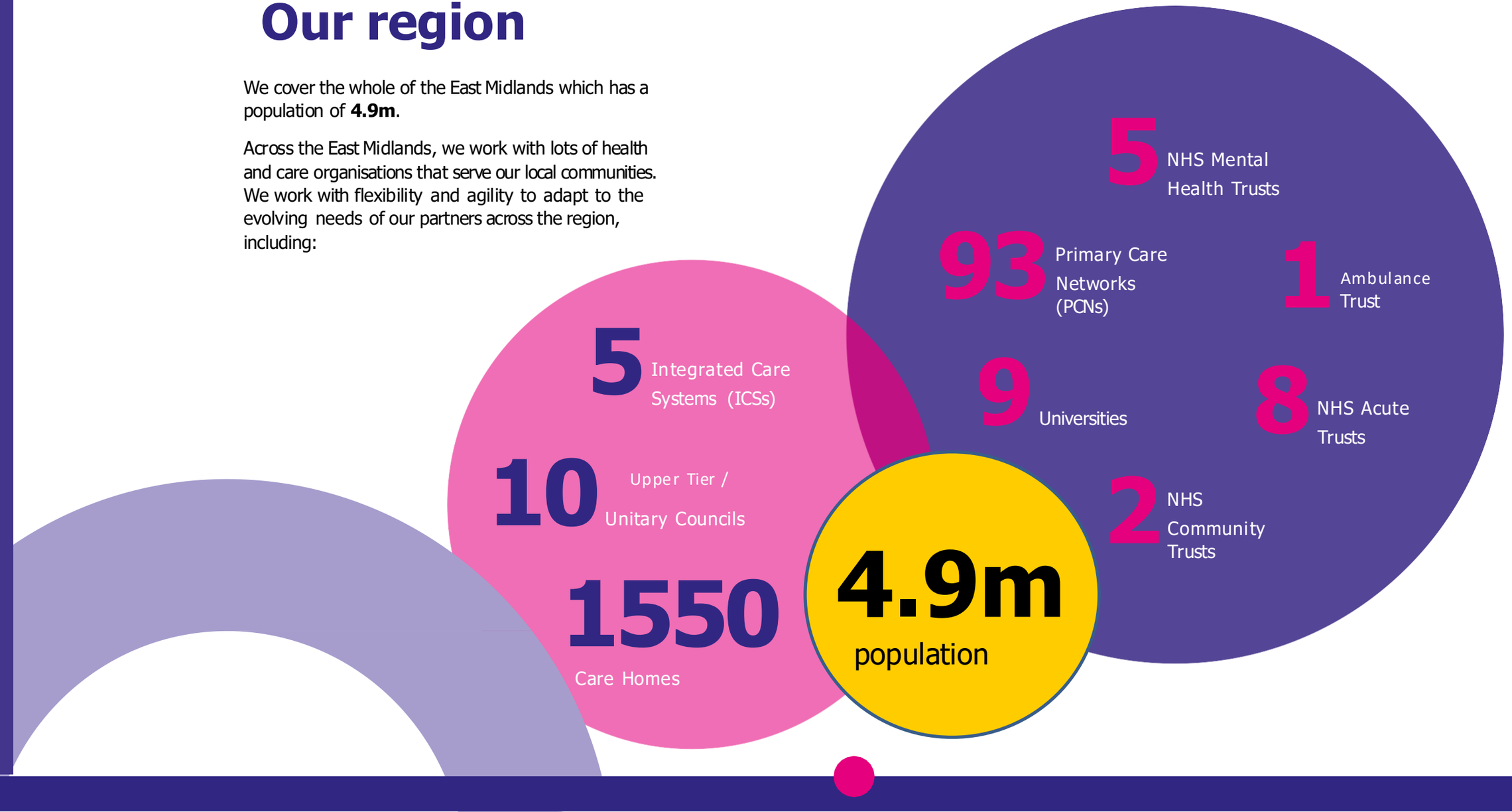
We are funded by the NHS and much of our support is provided free. We also consider bespoke commissions where more intensive, tailored support is needed.

Get in touch to discuss how we can help. We are continually identifying new opportunities for support and funding, so stay connected by following us on social media and sign up to our newsletters (see the back page).

Our region

We cover the whole of the East Midlands which has a population of **4.9m**.

Across the East Midlands, we work with lots of health and care organisations that serve our local communities. We work with flexibility and agility to adapt to the evolving needs of our partners across the region, including:



Accessing our Innovation Portfolio

National Innovation Pipeline

Our pipeline comprises 3,000 technologies – from digital systems, to apps, innovative medicines and pathway redesigns – across all clinical areas, addressing healthcare's key priorities: Primary care access, Reducing waiting lists, Moving care out of hospital, Prevention, Getting people back to work and Patient safety.

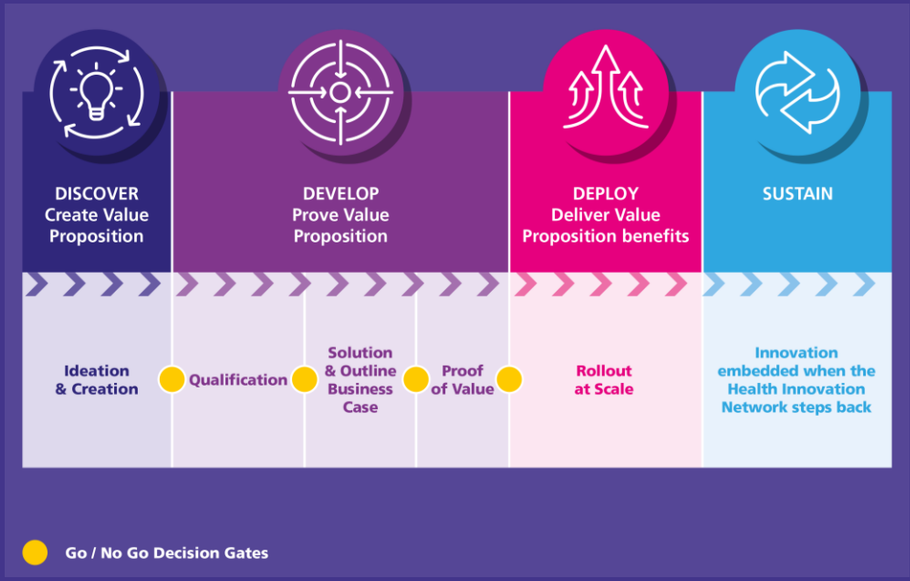
It is underpinned by our expertise at innovation adoption and our collaboration with research partners and commercial and clinical innovators.

Our innovations progress through stages from initial discovery to development, deployment and ultimately to being sustained as business as usual. We support innovators to prepare their solution for real world implementation, and test and prove innovations by undertaking rapid evaluation in clinical settings - then via our own efforts and those of the other HINs, we rapidly spread them adapting the implementation of solutions to deliver value in different local contexts – urban, rural and coastal.

Our current portfolio of innovations – including medicines and devices – is summarised on the following pages.

Our innovations originate from many sources:

- Great ideas developed by East Midlands NHS and healthcare partners
- Projects we import from other HINs that respond to local challenges
- National NHS priority programmes across HINs, enabling rapid and coordinated spread across the country.



Our programmes

Our clinical and cross cutting priorities

Below are listed our current clinical priorities, and the cross-cutting themes that are reflected across our programmes – these are subject to ongoing review.

We work across all health and care sectors including primary care, secondary care, social care and public health.

Whilst we prioritise our resources against the above areas of focus, our clinical and cross-cutting priorities continually evolve, and as an agile and flexible organisation we are keen to hear about any promising health innovations that could:

- Address any East Midlands health and care challenge in addition to those listed above, and
- Support any of our three overarching aims: transforming patient outcomes; generating efficiencies; and enabling inward investment and growth into the East Midlands.

OUR CLINICAL PRIORITIES

- Cardiovascular disease (CVD)
- Respiratory disease
- Diabetes
- Mental health
- Medicines pathways and safety
- Maternity and neonatal care
- Cancer
- Wound care

OUR CROSS-CUTTING PRIORITIES

Some cross-cutting priority themes also feed into our innovation programmes, these include:

- Enabling safer systems of care
- Digital technology and AI
- Tackling health inequality (with a focus on NHS Core20PLUS5)
- Sustainability (to achieve NHS Net Zero)
- Workforce (embedding a culture of innovation across the East Midlands health and care workforce).

Healthinnovation-em.org.uk/ourinnovations

Cardiovascular disease (CVD) prevention

CVD Prevention

Building upon Health Innovation East Midland's previous Blood Pressure Optimisation and Lipid Management Programmes, the aim of the new CVD Prevention programme is to support local systems to detect and appropriately manage and optimise treatment for high cholesterol, including familial hypercholesterolaemia (FH), and hypertension to reduce broader cardiovascular risk, and prevent heart attacks, strokes, and dementia.

To find out more contact healthinnovation-em@nottingham.ac.uk

Objectives

Support PCNs to effectively detect and manage patients with high cholesterol, FH, and hypertension.

Promote and support implementation of appropriate case finding and management resources across primary care.

Develop workforce condition-specific and broader cardiovascular health education and upskilling sessions and resources.

Provide targeted support to priority PCNs identified across the East Midlands footprint based upon health inequalities data.

Mental health

ChatHealth

ChatHealth is a safe and secure health messaging service that allows users to have conversations with health professionals via their mobile devices about issues including mental health, sexual health and general health concerns. In the East Midlands, there is 100% coverage across public health teams serving young people. ChatHealth is also suitable for use by health visiting, mental health and perinatal mental health teams to support new parents and carers.

Mental Health Alliance and NHSE (Midlands)

The East Midlands Mental Health Alliance (MHA) and NHSE (Midlands) Specialised Commissioning team for MH has funded a 2-year programme of work with HIEM.

The work programmes to be delivered will cover:

- Reducing restrictive practice
- Improving sexual safety
- Preventing suicide and self-harm
- Use of mechanical restraint in high secure hospitals

Working as Communities of Practice with local teams from East Midlands mental health service providers, we are taking forward Quality Improvement approaches and tools to improve care for service users – focussing on these areas.

Maternity and neonatal care

Working as part of the MatNeo Safety Improvement Programme

Maternity and Neonatal Safety Improvement Programme

The Maternity and Neonatal Safety Improvement Programme for 2024 -25 continues to focus on supporting local trusts to meet the national ambitions relating to:

- Optimisation & Stabilisation of the Preterm Infant: By end Q4 2025, all Trusts to meet or exceed national optimisation rates for all 9 elements contributing to a reduction in complications of prematurity including rates of stillbirths, brain injuries and neonatal death. .
- Early Recognition and Management of Deterioration in Women and Babies: By the end Q4 2024/25, all Trusts to have implemented both national deterioration tools, MEWS and NEWTT2, or have a clear plan as to when the tools will go live within their maternity services.
- Perinatal Culture & Leadership: Build on the progress made to support perinatal leadership teams to create and craft the conditions for a positive culture of safety and continuous improvement, enabling a more psychologically safe, collaborative, and supportive workplace.

HIEM continue to work closely with HIWM to support teams across the Midlands to achieve this through a combination of Communities of Practice, Action Learning Groups, Networks and 1:1 coaching or facilitation

PERIPrem (Perinatal Excellence to Reduce Injury in Premature Birth)

We have agreed a Midlands-wide approach to delivering PERIPrem in collaboration with colleagues in Health Innovation West Midlands (HIWM), Midlands Perinatal Team and in consultation with both East Midlands Neonatal Operational Delivery Network and West Midlands Neonatal Operational Delivery Networks.

Maternity information support for South Asian women

HIEM is working with JanamApp, a mobile app that supports South Asian women in using maternity services. The app enables women to access culturally appropriate advice and information to help keep them and their babies safe and well.

The app was co-designed by health professionals at UHL and by South Asian women to improve perinatal and maternity outcomes and promote health equality. Information is available in an easy-to-use platform in English and five South Asian languages in audiovisual format.

- **Watch JanamApp present at our Digital Health Accelerator in May 2024**

HIEM support is available if you wish to implement the app into your pathway – contact **healthinnovation-em@nottingham.ac.uk**

Managing deterioration

Working as part of the Managing Deterioration Safety Improvement Programme

Martha's rule

EMPSC is supporting seven acute trusts to pilot the new Martha's Rule. This involves ensuring patients and families who are concerned about deteriorating health while in the hospital, can escalate their concerns by calling a dedicated number to a specialist team for review and appropriate action.

Working collaboratively with Health Innovation West Midlands to adopt a Midlands-wide approach, a Community of Practice is launching in July for all 20 Midlands sites. The CoP will help teams to share and learn from each other - those who are developing plans and those who have already established elements of Martha's Rule.

In this pilot year, the Midlands sites will continue to operate or launch, under the title "Call 4 Concern*" to build on the awareness already established in sites across the Midlands.

(*The Call 4 Concern copyright is owned by Royal Berkshire NHS Foundation Trust and used with their kind permission).

PIER

Nationally the draft version of the PIER Framework has just been published. Along with a roadmap, this provides ICB's with the plans for the next three years to use the PIER lens (Prevention, Identification, Escalation and Response) in strategy for system-wide work on deterioration.

A midlands-wide approach has again been agreed with a Midlands Deterioration Network commencing in July. In year one, HIEM will work closely with Nottingham and Nottinghamshire ICB on PIER, building on their existing work with the aim of sharing learning through the Midlands Deterioration Network for all ICB's to aid implementation in years two and three.

Wound care

Wound care

Improving care for patients with lower limb wounds

We are locally supporting the Health Innovation Network Transforming Wound Care national adoption and spread programme. The programme aims to ensure that all patients with lower limb wounds receive evidence based care which leads to:

- faster healing of wounds
- improved quality of life for patients
- reduced likelihood of wound recurrence
- uses health and care resources more effectively

The programme uses the evidence, learning and recommendations from the **National Wound Care Strategy Programme** (NWCSP).

Read a case study about changes made by a Lincolnshire team in how they treat housebound patients, that has seen wounds heal in 12 weeks.

The team have saved up to 240 hours of clinical time, which frees up staff to assess and treat new patients earlier than they previously would have been able to, further increasing the opportunities for the wounds to heal more quickly. If the programme is able to be spread to this patient cohort across the county, there is the potential for releasing over five thousand hours of clinical time.

Almost 20% of patients treated have been healed within twelve weeks from initial assessment, with many having previously been 'treated' for up to two years with no resolution

(Lincolnshire Community Health Services NHS Trust

Medicines

Reducing inappropriate high dose opioid prescriptions for chronic non-cancer pain

We aim to reduce harm from opioid medicines by reducing high dose prescribing (>120mg oral Morphine equivalent), for non-cancer pain by 50%, by March 2024.

We are working with key stakeholders and Integrated Care Systems to support system wide changes to opioid prescribing that will reduce the risk of harm to patients from opioids.

This approach aims to improve the care required to enable people to 'live well with pain' and reduce the harm from opioids. We tested the approach in Derby and Derbyshire ICB and are now also working with Lincolnshire ICB.

Support across the East Midlands region includes, upskilling, data, resources and shared learning.

Polypharmacy

The programme aims to support local systems and primary care to identify patients at potential risk of harm from taking medication that is not needed or inappropriate. It supports better conversations between patients and staff about medicines and promotes shared decision making.

The East Midlands is a wave 2 site for the programme, which began in March 2023, with the creation of a region-wide specialist community of practice.

Get involved by:
Joining a Community of Practice
Signing up to an Action Learning Set

We supported LLR to evaluate an MDT approach to medication reviews. Read the report.

Watch how a Nottingham PCN used the Me and My Medicines campaign materials to increase the uptake of Structured Medication Reviews by 87%

Medicines

National scoping exercise to identify medicines safety innovations

The NHSE national patient safety collaborative has identified two areas they want to work on to improve patient safety and reducing medicine related harm:

1. **Psychotropic prescribing in learning disability and/or autism patients**
2. **Medication safety and optimisation to reduce falls and/or fractures in frail patients**

The local Health Innovation Networks are working together to discover local work that could be implemented nationally.

We want to hear from you if you have any examples of practice that has aimed to improve medicines safety and / or optimisation in these fields. We are interested in any work you have undertaken whether big or small, in planning stage or fully implemented, whether it has been successful or stopped due to experiencing challenges. We will collect your experience via an informal on-line interview.

The aim of this scoping is to draw out real examples of what has worked well and what has not worked so well with the intention of creating a future national medicines safety improvement programme.

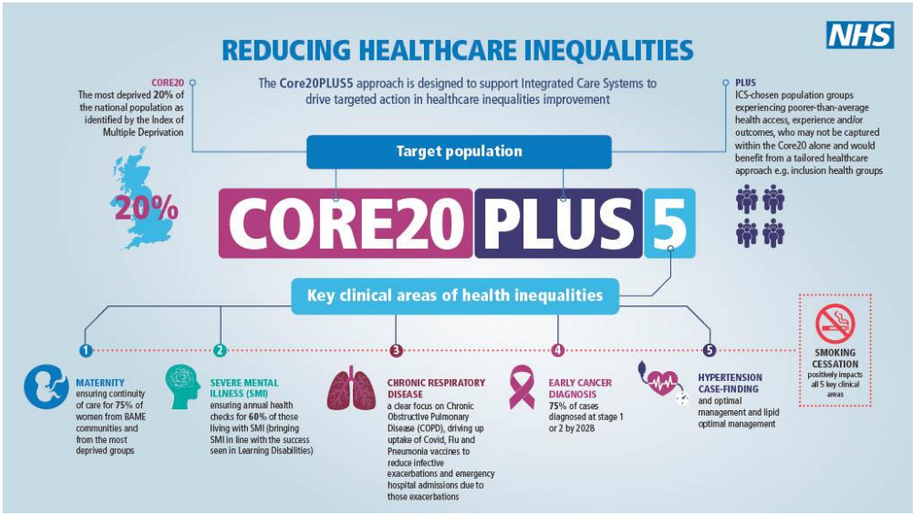
If you think you might have something to share please contact Lisa Towle via **lisa.towle1@nottingham.ac.uk** who will arrange a convenient time.

Health inequalities

Innovation for Healthcare Inequalities Programme

Supporting Integrated Care Systems in our region to address health inequalities in line with NHS England's national Core20PLUS5 programme

The InHIP project was commissioned by NHS England's **Accelerated Access Collaborative** team in partnership with the Health Innovation Network. The programme offered funding and programme support to ICSs to enable the identification and adoption of innovations and technologies that address the five clinical priorities within the national Core20PLUS5 strategy – **maternity, severe mental illness, chronic respiratory disease, early cancer diagnosis and cardiovascular disease**.



Innovations and technologies include medicines, diagnostics, devices, and digital products approved by NICE and ready for spread.

The East Midlands projects for 2023-2024 were:

- **Leicester, Leicestershire and Rutland Integrated Care System** - Improve attendance rates and experience within cardiovascular outpatient clinics for the South Asian population within the most deprived areas of Leicester, Leicestershire and Rutland whilst reducing differentials in the prescribing of drugs.
- **Lincolnshire Integrated Care System** - Enhancing cardiovascular health for people within deprived, elderly, and rural populations to reduce the significant difference in cardiovascular-related mortality between the most and least deprived areas of Lincolnshire.
- **Northamptonshire Integrated Care System** - Identification of undetected Atrial Fibrillation (AF) and Hypertension (HTN) through opportunistic community health testing within deprived, black and minority ethnic local populations.

Work is underway to identify projects for 2024-2025 as part of InHIP2.

Previous programmes

This document highlights our current portfolio of innovation programmes, however, since 2013 we have built a large amount of knowledge and expertise through a range of previous programmes across clinical areas including mental health, cardiovascular and liver disease.

For a full list of our legacy programmes, more information, resources and our key learnings, visit:

Healthinnovation-em.org.uk/legacyinnovations

For example, some recent programmes include:

- **Focus ADHD -** accelerating the uptake and implementation of an objective ADHD assessment tool to supplement the current clinical assessment processes.
- **Asthma Biologics** – improving outcomes for patients with asthma by supporting the spread of asthma biologics medications.
- **Early Intervention Eating Disorders -** Supporting NHS trusts to implement and evaluate a new model of care (FREED) to accelerate access to specialised treatment for young people with an eating disorder.
- **LeDeR – Managing deterioration for people with a learning disability in supported living environments -** a pilot programme in 2021/22, commissioned by NHS England and NHS Improvement in response to the LeDeR (Learning Disability Mortality Review) report.
- **Atrial Fibrillation (AF) programme** – Sharing learning and spreading best practice in primary care to reduce AF-related strokes.
- **Frailty MDT** – Evaluating the impact of introducing specialist frailty pharmacists within a multi-disciplinary secondary care frailty pathway, compared to standard care.
- **LPZ** – Using an audit tool to help care homes measure the prevalence of common care issues and to make improvements.
- **PINCER** (Pharmacist-led INformation technology intervention for reducing Clinically important ERrors in medication management) - Searching using a clinical system to identify when patients are at risk of medication related harm from commonly prescribed medication.
- **PReCePT** – Reducing instances of cerebral palsy by improving the uptake of magnesium sulphate in preterm babies.
- **Transfers of Care Around Medicines (TCAM) / Discharge Medicines Service (DMS)** - Using a safe and secure digital platform that enables clinical handover from the hospital to pharmacists in the community.

Patient Safety Collaborative

Each Health Innovation Network hosts a Patient Safety Collaborative (PSC), a dedicated team with Quality Improvement expertise and a unique focus on workstreams and programmes designed to provide safer care for patients and residents in care homes.

The East Midlands PSC team works with health and care professionals helping them to provide quality and safe services, to improve patient care and safety. They aim to create the conditions for change and transformation in collaboration with the system and encourage health and care organisations to celebrate and share their best practice approaches.

The PSCs are commissioned by NHS England and align local work to the National Patient Safety Improvement Programme (NatPatSIP).

We can also provide bespoke support to the local health and care system. Get in touch to discuss how we might be able to help.

OUR PRIORITY PROGRAMMES

Part of the national Safety Improvement Programme

- Managing deterioration
- Maternity and neonatal
- Medicines safety
- System safety

Locally commissioned

- Mental health

For the most up-to-date information on the East Midlands PSC improvement programmes, visit:

Healthinnovation-em.org.uk/patientsafety

MedTech Funding Mandate (MTFM) 2024 / 25

In April 2021 the MedTech Funding Mandate policy was launched to support adoption of MedTech and diagnostic technologies across almost 200 healthcare services. HINs have been commissioned to raise awareness of MTFM policy and products across the local system, understand adoption status across all eligible provider sites and assist providers with business case production. This will support commissioners and healthcare providers to reduce unwarranted variation in patient access across systems.

Product	Theme	Summary
UroLift	Surgical Innovation for treating symptoms of benign prostatic hyperplasia **(UROLOGY)**	Uses implants to pull excess prostatic tissue away from the urethra so it does not narrow or block the urethra.
Rezum		Injects steam into the prostate to destroy excess tissue.
Green Light		Uses a laser to reduce an enlarged prostate.
Plasma System (TURis)		Uses electrodes to cut out prostate tissue and stop any local bleeding afterwards. The electrodes are put into the prostate through the urethra.
Thopaz+	Patient Experience **(RESPIRATORY)**	Thopaz+ a portable digital system for managing chest drainage. It is for people who have had a pulmonary resection or have a pneumothorax and need a chest drain.
XprESS Multi Sinus Dilation	(ENT) Specialised Treatments **(HAEMATOLOGY)**	It is single-use device for treating non-complex chronic sinusitis. The system comprises of a balloon-tipped device with a reshapeable end that is inserted through the nose, and then inflated with saline to widen the sinuses allowing them to drain more effectively.
Spectra Optia		Separates and removes selected components of the patient's blood using continuous flow and centrifugation to treat sickle cell disease. EMAHSN is supporting service expansion across the region.

Accessing our support and expertise

Our contribution is much wider than our innovation portfolio and we provide advice, expertise and signposting services to our many partners across the NHS, public health and social care, third sector, and healthcare companies.

The below summarises our main areas of expertise, and the following pages provide information on some of these – please contact us to discuss how we can help.

Our innovation support

We bring together partners from all sectors involved in health and care including the NHS, social care and public health, patients, research, third sector and industry – to identify, test and spread new technologies and better ways of working. We aim to save the NHS money, generate economic growth, empower health and care staff, and improve the experience and outcomes of patients.

Igniting innovation
Service transformation

- Finding innovative solutions to your specific challenges
- Access proven innovations
- Service pathway mapping and redesign
- Project management
- Medicines management
- Patient and Public Involvement
- Health inequalities / Core20+5
- Communities of Practice
- Cross system facilitation and brokering

Data, analytics and evaluation
Insight & evidence

- Real world evidence
- Evaluation
- Data analysis & presentation
- Business case development
- Benefits realisation
- Budget impact model
- Health economics
- Process mapping
- NHS NetZero

Organisational development
Building your team

- Quality improvement
- Change management
- Human Factors
- Embed and sustain transformation
- Safety culture
- Appreciative inquiry
- Organisational training and events
- Workforce transformation
- Clinical entrepreneurship
- Stakeholder mapping

Innovation scanning for solutions to health challenges

We have access to the innovation pipelines of all 15 HINs across England and can carry out targeted searches of hundreds of projects to find those that can best help you to address your local health challenges.

Our position as honest brokers and our in-depth knowledge of innovation adoption means we are uniquely placed to find the right solution to your problem.

Advice and training for health innovators

We offer a range of programmes and training for commercial innovators and healthcare staff – helping them along their journey from having an idea through to successfully preparing their solutions for real world implementation, testing and innovation at scale. Our programmes include:

- **Digital Health Accelerator** – our annual programme offering support to a small number of digital health innovators with exciting and worthwhile innovations that can make a real difference to our health and care system.
- **Innovation Academy** – a free on-demand course for anyone who would like to gain an understanding of how the NHS takes forward new innovative products to improve patient care and outcomes**.**
- **Ignite** – Expert commercial support and advice to turn health innovations into reality for the benefit of patients and the NHS.
- **NHS Clinical Entrepreneurs** – advice, expertise and training to assess, develop ideas and understand the commercial landscape.
- **Getting ready for NHS market entry** – with Medilink Midlands, we offer insight on how to break into NHS and social care markets.
- **Health Innovation East Midlands Accelerator programme** – we run this Accelerator in collaboration with Pioneer Group. It provides structured guidance to develop value propositions, commercialise ideas and identify funding opportunities.
- **SBRI Healthcare** – we promote this national grant scheme which runs funding competitions throughout the year to support development and spread of innovation, focusing on particular themes.

Health Innovation Academy

Register for our free on demand courses for all healthcare innovators

- Short courses covering the innovation pathway
- Innovator success stories
- Ask the Expert sessions

For more information about all of our programmes, you can visit: Healthinnovation-em.org.uk/industryandenterprise

Evaluation expertise

Our innovation portfolio is underpinned by our expertise of rapid evaluation – since 2013 we have developed significant expertise at quickly testing out potential solutions in real world settings.

As well as evaluating innovations within our own portfolio, we consider commissions from healthcare partners to undertake evaluations of their innovation and transformation projects.

To discuss how we may be able to support you, please get in touch.

Patient and Public Involvement (PPI) and equalities

Our team provides advice, expertise and access to a wide range of resources to help healthcare organisations involve patients in service transformation and identify and address inequalities.

We organise events, produce patient involvement newsletters, share toolkits on techniques to engage diverse and seldom heard communities, offer training for patient leaders to participate in ICS boards, and publish summaries of health inequalities within each ICS footprint that combine statistics from multiple sources.

In addition, we can provide access to independent panels that we host: the East Midlands PPI Senate – a group of expert patient leaders – and the Expert People's Panel, which provides independent scrutiny of equality plans.

Healthinnovation-em.org.uk/patientandpublicinvolvement

Data driven insight

Our Health Analytics and Evaluation Service are national experts in making data and analytics digestible, accessible and insightful for health and care organisations. Their mission is to help you make sense of your data to support transformation and inform decision making:

- Making sense of health data to inform service improvements and decisions
- Turning data into insight, including designing tools to make this routine
- Advising on what data is needed, and how to gather it
- Linking data between organisations
- Building workforce skills and capability to review data quickly and efficiently
- Using data to enable patient pathway mapping.

Contact us

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For updates, sign up to our newsletters at:

www.healthinnovation-em.org.uk/updates