

The Midlands is a region of pioneering minds, thriving industry, great beauty, inspiring heritage and incredible people. Our region is a place of vibrant cities, bustling towns, flourishing rural areas and welcoming communities. From Shropshire in the west to Lincolnshire in the east, from Derbyshire in the north to Herefordshire in the south, we are the beating heart of the UK.

The Midlands Engine convenes a wide range of partners, from small businesses and universities, to global multinationals, public sector bodies and government agencies, bringing voice and vision to the Midlands. We provide crucial focus and connection so that, together, we can act now with commitment and purpose to drive economic prosperity for the nation and for the benefit of our region's places, people and future. The Midlands Engine generates added value for the whole of the Midlands, its communities and the wider UK. The approach is apolitical, focused on increasing productive economic growth and improving quality of life for communities in every part of the region. Now, we're looking for dedicated, skilled people to be part of that future.

## Midlands Engine Health

The Midlands Engine partnership has identified health and life sciences as a priority area for focus during 2020/21. This is of particular importance as we reflect on the COVID-19 learning points and look to recover the Midlands economy. The overall aim is to encourage the creation of practical innovations that address clinical and social care need and that are created within the Midlands. In doing so, we will increase the strength and resilience of the regional supply chain into the health and social care service delivery network as well as increase the regional economic impact of this sector.

Midlands Engine Health aims to work closely with a range of national partners and funders e.g. the Department for Health and Social Care, the Office for Life Sciences, UKRI including Innovate UK, NIHR, the Department for Business Energy and Industrial Strategy and the Department for International trade. The alliance will also coordinate the visions of various local stakeholders including LEP's, local authorities, business representative organisations and regional and local NHS groupings.



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The impacts sought by Midlands Engine Health:

- Acceleration of the economic impact of the Med-tech and wider Health Science agenda across the Midlands
- Creation of a better understanding within Office of Life Sciences and other government departments of the specific role that the Midlands can play in the UK Life Sciences Industrial Strategy and other Med-tech and Health initiatives that may occur in the post COVID-19 environment.
- Creation of agreed objectives based on data and intelligence linked to the med-tech and health science sectors
- Promotion of regional capability and opportunity at scale, including providing good visibility for Government policy and investment.
- Securing future investment in key initiatives in this field that generate greater economic impact in the Midlands

# MIDLANDS CORE STRENGTHS

MIDLANDS  
ENGINE

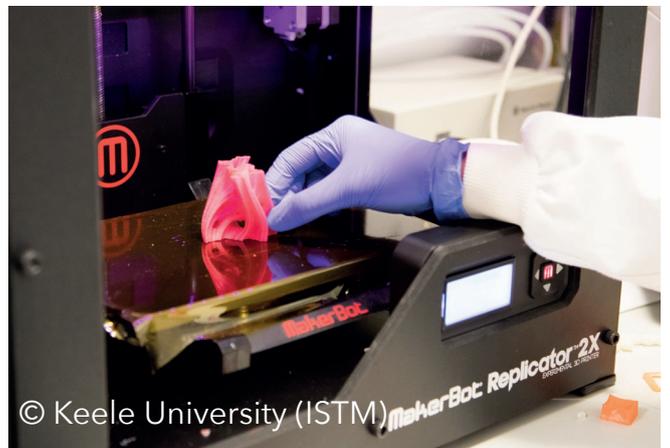
The region excels within 5 core Life Science strength areas:

**Medical Technologies** - The home of MedTech innovation: The Midlands hosts the UK's largest cluster of MedTech companies, pumping £1.6bn into the UK economy annually. We also attract global companies to relocate here through our distinctive NHS-partnering ecosystem, cutting-edge facilities and world leading expertise, as well as 2 Life Science Opportunity Zones.

**Imaging** - Pioneering imaging technology in partnership with industry: The Midlands is at the forefront internationally of pioneering translational imaging research. We aim to become the home of Ultra High Field imaging both for clinical and research use and to have the UK's first 11.7T MRI facility. Higher magnetic fields have the potential to deliver far greater diagnostic detail for patients.

**Health Data** - A health data and AI powerhouse: Utilising the close relationship between our academic/ clinical excellence and ethnically diverse population, we deliver the unparalleled opportunity to reduce development time and trial costs to innovate faster. This is demonstrated through our hosted infrastructure including: the UK's only Centre for Patient Reported Outcomes, the Midlands HDRUK Substantive Site, the Centre for BME Health, 3 of 7 UK Digital Innovation Hubs and some of the UK's foremost diagnostic and experimental medicine capabilities (e.g. the UK's largest NHS genetics service and Genomic Medicine Centre). All are supporting the largest cluster of digital start-ups outside of London.

**Rehabilitation and Trauma** - Driving the UK forwards: The region hosts the UK's centre of excellence for Rehabilitation and Defence Medicine, the new £300M Defence Medical Rehabilitation Centre and will soon house the UK's National Rehabilitation Centre for civilian care, making the Midlands the place to be for the development and production of defence- and rehabilitation-focused innovations.



**Clinical Trials** - With proven excellence in delivery, the Midlands hosts some incredibly significant and world leading health research infrastructure in disease areas which are important for the nation, such as Respiratory, Cardiovascular, Gastrointestinal, Diabetes and many more. The Midlands has outstanding clinical trials investigators and infrastructure that deliver a transformational approach. By combining rapid development and delivery, with the ability to leverage expertise integrated within local infrastructure, the region hosts a world class clinical trials environment including hosting Europe's 2nd largest clinical trials cluster with 7 Clinical Trial Units (including the world's largest precision medicine cancer CTU) and extensive NIHR infrastructure (including 4 Clinical Research Facilities, 3 Biomedical Research Centres and 2 Applied Research Collaboratives) plus 2 Academic Health Science Networks and the Advanced Therapy Treatment Centre. This allows for the experienced delivery of adaptive trials at national and international scales.