



Universities



Health & Life Sciences

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The West Midlands offers an unparalleled blend of businesses, universities and research translation centres, coupled with strong collaboration, research and clustering activities which combine to make an established and well-connected ecosystem.”

Medilink West Midlands

Key Messages

With state-of-the-art clinical facilities, population scale and diversity, and pioneering partnerships between academics and clinicians, the West Midlands is at the cutting edge of medical technology and global healthcare.

The large, ethnically diverse, non-transient, regional population of more than 4 million offers the perfect landscape for delivering clinical trials.

The Institute of Translational Medicine is a world-class clinical research facility in Greater Birmingham. It serves as an engine to translate laboratory discovery into improved and increasingly personalised patient care, with bioinformatics and precision medicine at its core.

One of the largest clinical trials portfolios in Europe, immediate access to both state-of-the-art facilities for experimental medicine and world-leading academic expertise.

University Specialisms

Our universities maintain close links with industry partners, helping to:

- Provide significant numbers of high calibre graduates in medical, biochemistry, engineering and related fields
- Maintain links with the UK National Health Service and international life sciences partners
- Support the creation of innovative healthcare technology-based start-ups.



Thriving Cities

Birmingham, Coventry and Wolverhampton



A £92bn Economy



23.5% GVA Growth

Over the last five years

4,000 Medics

4,000 students studying medicine in the West Midlands each year



20,000 Students

Following courses allied to medicine



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Key University Facilities/Projects



Aston University

School of Life and Health Sciences

- The School's work ranges from the molecular and cellular level, through neural systems and human behaviour, to the restoration of health and the study of individuals in health care settings.

Aston Brain Centre

- Specialises in epilepsy, dyslexia, autism, ADHD and sleeping disorders. It provides a referral service for the UK National Health Service and houses a brain scanner specifically for children – one of only three in the world.



Birmingham City University

Faculty of Health, Education and Life Sciences

- The region's largest provider of qualified health and social care professionals.
- Research in Life Sciences includes work in epigenetics, microbiology and bioinformatics.



Coventry University

The Alison Gingell Building

- A new five storey building that includes a simulated house, an ambulance cab, an operating theatre, a ward and various laboratories.
- Designed to give students a real-life experience in paramedic intervention, nursing, occupational therapy and other health related studies without compromising patient safety.

Centre for Sport, Exercise and Life Sciences

- CSELS applies biological and exercise-related sciences to improve diagnosis and prevent disease.
- Four specialist areas within the Centre advance knowledge in the fields of sport and human performance, physical activity and exercise interventions, health and mechanisms of disease and functional genomics.

MATUROLIFE

- A project that brings together 20 partners from nine European countries to develop innovative assistive technology.
- The product range is co-created with older adults across Europe to support independent living.

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University of Birmingham

Healthcare Technologies Institute

- The Healthcare Technologies Institute brings together leading experts from a variety of disciplines across the University of Birmingham
- Working collaboratively to speed up the translation of new discoveries into health applications.
- Research supports life sciences SMEs, helping them to bring products to market quickly, at lower cost and with reduced risk.

Institute of Translational Medicine

- Brings together scientists, researchers, clinicians and industry partners to turn medical science into innovative patient and healthcare system applications.
- The Industry Partnerships Team combines the expertise of the member Hospital Trusts and the University to facilitate collaborative research and licensing opportunities with pharmaceutical, diagnostic, device and biotech companies.
- The Institute works with 200 industry partners, and 35 spin-out companies have been created from its research.



University of Warwick

Institute of Digital Healthcare

- Hosted by WMG in partnership with the Warwick Medical School and supported by the UK National Health Service.
- The IDH employs experts in biomedical and information engineering, health psychologists, statisticians and clinicians with public health, hospital medicine and community health backgrounds.
- Its projects include the development of new rapid learning healthcare systems, and investigations into the role of apps in patient feedback.

Warwick Medical School

- WMS maintains leading research centres and facilities, working in partnership with the international life sciences community.
- Both Tommy's National Miscarriage Centre and the Wellcome-Warwick Quantitative Biomedicine Programme operate under the auspices of the Medical School.



University of Wolverhampton

Research Institute in Healthcare Science

- Interdisciplinary research at the Institute explores opportunities for advancement in the understanding of cancer, diabetes, molecular medicine and pharmacology amongst other fields.
- Collaboration includes partnerships with local UK National Health Service Trusts, including the National Cancer Research Institute-funded Black Country Cancer Research Network.