



Healthcare



Overview and Key Facts

- 140,000 people are employed within North East England's £5 billion healthcare economy. There are thriving company clusters in medical devices, diagnostics and assistive technology for ageing and health. Companies include Sanofi, GSK, Immunodiagnostic Systems, Helena Biosciences, Rocket Medical and Avecia.
- The UK has the world's largest single healthcare delivery organisation - the NHS, with an annual spend of £55 billion per year on medical services - and more than 50,000 NHS employees are based in North East England.
- The NHS Innovations Hub identifies technology developed within the NHS and transfers it under licence as new products and services provided by regional companies. A product which is clinically trialled in the NHS and secures a CE mark in the UK can be sold into any EEA market without further regulatory requirements.
- Newcastle are one of only two UK groups that have been awarded a licence to undertake somatic cell nuclear transfer.

Infrastructure

- The region's universities are at the forefront of healthcare R&D, with a keen focus on areas such as diabetes, stem cells, cancer, diagnostics, human genetics, pharmacology, assistive technologies and heart disease.
- Translational research is channelled through clinical research facilities linking medical research into the regional NHS Trusts.

Industry Support

- The International Centre for Life (ICFL), based in Newcastle, is the UK's first biotechnology village. It is home to the £10m Life Knowledge Park, one of only six UK genetics parks, which focuses on stem cell R&D and degenerative diseases.
- The Centre of Excellence for Life Studies (CELS) drives the life science and healthcare economy by identifying and exploiting market opportunities with commercial potential. CELS operates BioNE²t, a network which supports the development of post-genomic technologies and research linking directly to industry.
- Codeworks ATL brings together industrial and academic expertise to develop assistive products that use digital technology to increase healthy lifespan and aid in rehabilitation.
- The Biosystems Informatics Institute (Bii) undertakes industry-facing R&D, focused on data integration to create new products and services for commercial development.

University

Strengths

Newcastle	Northern Institute for Cancer Research, Sowerby Centre for Health Informatics, Regional Medical Physics Department, Resource Centre for Innovation & Design, Largest Institute for Human Genetics in Europe, Largest UK Institute for Ageing and Health.
Durham	Centre for Infectious Diseases, Centre for Biomedical Engineering, Centre for Stem Cell Biology and Regenerative Medicine.
Northumbria	Northumbria's Healthcare-Integrated Services, Human Centred Design.
Teesside	Miniature Diagnostic Devices, Monitoring of Health Parameters.
Sunderland	Largest School of Pharmacy in UK.



Finance

There are many sources of finance and venture capital available to companies in the region. Unique in North East England is **Nstar** set up by One NorthEast. It focuses on high risk venture capital, and it partners with the commercial venture capital community to invest in new technology spun out of universities or created within the small to medium sized enterprise market. Nstar can create tailored supply chains for large corporations through this process. Nstar has total funding of £60m (\$108m) split into Proof of Concept Fund and Co-investment Funding.

Market Access

The Model below demonstrates how all of the expertise and support organisations place North East England in a unique position to support companies in the commercialisation of research and getting new products to market. At the centre of the process is the Investment & Aftercare Team that will sit with you to understand your own individual requirements and come back with a tailored investment solution to include some or all of the elements below. From here in the UK or offices in North America, China, Japan, Korea, Australia, Norway and Germany, the team will help you get your products and services into the market.



Case Study - Genesis Genomics

Genesis Genomics, a business specialising in pioneering cancer and sun-damaged skin testing, has established a base in North East England to continue its world-leading research. Canada-based Genesis Genomics (GGUK), a cutting-edge bio-tech research corporation, is currently developing an early warning system to aid the effective treatment of cancer and skin damaged by sunburn. It plans to use its new base at the University of Newcastle upon Tyne to push the commercial development of its world first skinphysical™ test – using information gleaned from new advances in DNA research into sun-damaged cells. A collaboration between One NorthEast's Strategy for Success, Inward Investment and Research and Development teams, working alongside the University of Newcastle upon Tyne and CELS, helped attract GGUK to North East England.

Contact details

To discuss the service further, or to receive an initial response to an investment proposal, please make contact by phone, fax, e-mail or post today.

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