

inrals Intel - Focus on United Kingdom



General situation in United Kingdom



66,7
million

Inhabitants



US \$ 46,827

Per capita GDP (2018)

- ✓ Public debt: 85.2% of GDP (2018)
- ✓ Annual GDP growth rate: 1.4% (2019), 1.3% (2018)
- ✓ Unemployment rate 3.8% (March 2020)

Pharmaceutical and Life Science Industries in the UK

- ✓ Life Sciences is a Key Strategic Industry of the UK Government
- ✓ 5,469 Life Science businesses, 6,300 sites in UK
- ✓ \$ 87.9 billion turnover
- ✓ 240,000 people employed in the sector
- ✓ The top 25 global Biotechnology companies have operations based in the UK
- ✓ The top 30 global Medtech companies have operations in the UK



Largest sectors by turnover

1. Small Molecules; 2. Digital Health; 3. In vitro diagnostics



Startups

Investment in startups increased by 30% to \$ 3.6 billion in last 4 years.



Top universities

3 of the global top 10 universities for science are based in the UK: Cambridge, Oxford and Imperial



Research & Development

Life Sciences and Pharmaceutical R & D represents 18% of the UK total.

Cluster highlights



Digital Health: NHSX

A joint unit bringing together teams from the Department of Health and Social Care and NHS England and NHS Improvement to drive the digital transformation of care and become leaders in AI, big data and virtual consultation.



Pharmaceuticals: World Class research

Funded by i.a. the **Wellcome Trust**, supporting individuals, teams, resources, seed ideas, places and major initiatives in areas like biomedical science and population health. The independent **Francis Crick Institute**, the biggest (1,500 scientists and support staff) biomedical research facility under a single roof in Europe, is dedicated to understanding the fundamental biology underlying health and disease and translating discoveries in new ways to prevent, diagnose and treat illnesses.



Genomics: 100,000 Genomes Project

Flagship government project to sequence 100,000 whole genomes from NHS patients (focus on rare diseases and cancer). Main aims: to create an ethical and transparent programme based on consent; to bring benefit to patients and set up a genomic medicine service for the NHS; to enable new scientific discovery and medical insights; the development of a UK genomics industry.

INRALS Members



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