

Crossing Health Frontiers – Driving the Future of Healthcare

The Health Frontiers–Technology Innovation Centre, a flagship €9.1 M project supported by PEACEPLUS, a programme managed by the Special EU Programmes Body (SEUPB).



The project is designed to accelerate next-generation digital health and medical technology innovation across Northern Ireland, Ireland, and Scotland.

HIRANI provide a full suite of marketing and communications support along with business development across the four year project.



Delivered under Ulster University's Centre for Digital Healthcare Technology and led by Professor Jim McLaughlin, the Health Frontiers project will drive cutting-edge research and development in Medical Devices, Artificial Intelligence, and Digital Health systems, supporting clinicians and health systems to embed technology driven care pathways.

Driving Impact Across Borders

The Health Frontiers initiative will transform healthcare by bringing together 11 leading academic and clinical partners to tackle real-world challenges. Through collaboration with 25 MedTech small-medium enterprises (SMEs), the project will drive innovation that directly benefits patients, developing more than 25 new products and processes designed to improve care and outcomes.

Beyond advancing medical technology, Health Frontiers will create jobs, strengthen cross-border partnerships, and foster long-term economic and social growth, ensuring that breakthroughs in research translate into tangible improvements in people's lives.

Health Frontiers will focus on three interlinked areas of innovation:

- Next Generation Medical Device Technologies – Designing and validating innovative, user-centred devices focused on key clinical challenges.
- Artificial Intelligence and Digital Health Systems – Harnessing data science, machine learning, and AI to enhance clinical decision-making and care delivery.

- Digital Transformation of Clinical Practice and Culture – Supporting clinicians and health systems to adopt, trust, and embed technology-driven care pathways.

Collaborative Partners

Health Frontiers brings together 11 academic and clinical organisations across three regions, alongside 25 MedTech SMEs. **Partners include:**

- Ulster University (Lead Institution)
- Dundalk Institute of Technology (DkIT), Dublin City University (DCU), University College Dublin (UCD), Atlantic Technological University (ATU) – Ireland
- Digital Health & Care Innovation Centre (DHI), University of the Highlands and Islands (UHI) – Scotland
- Southern, Belfast, and Northern Health & Social Care Trusts – Northern Ireland
- Health Innovation Research Alliance Northern Ireland (HIRANI)

Together, these partners form a dynamic ecosystem committed to accelerating health technology innovation from concept to clinical adoption.

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