



Briefing Document

Background Information

Artificial Intelligence (AI) is transforming healthcare across clinical, operational, and administrative functions. AI-driven solutions are improving diagnostics, treatment planning, patient engagement, hospital operations, and more. From AI-powered imaging analysis to predictive analytics and automated administrative tasks, these innovations are enhancing healthcare efficiency and patient outcomes.

The integration of AI in healthcare aligns with both national and international priorities, including [Ireland's Digital Health Strategic Implementation Roadmap \(2024-2030\)](#), which emphasises the development and integration of AI technologies within the Irish healthcare system. It also aligns with the [Department of Health and the HSE's AI in Health Strategy](#) which provide guidelines for the ethical, legal, safe, and effective use of AI in healthcare, and [Ireland's National AI Strategy – AI: Here for Good \(2024\)](#) which serves as a roadmap for how Ireland can leverage the potential of AI for unlocking productivity, for addressing societal challenges, and for delivering public services. These frameworks aim to drive AI-powered advancements in patient care, diagnostics, and operational efficiency.

Furthermore, the national AI strategy promotes **collaboration** between healthcare providers, academia, and AI innovators, **supports AI-driven startups**, SMEs, and research initiatives through funding and grants, and encourages investment in AI hubs, testbeds, and regulatory sandboxes to facilitate **real-world** AI development.

Hence, **HIHI** (Health Innovation Hub Ireland) is launching the **HIHI.AI Call 2025** to foster AI-driven innovations in healthcare. This initiative aims to support innovators—including companies, start-ups, and researchers—by providing access to Ireland's healthcare system for pilot projects and clinical evaluations. The goal is to identify AI innovations with the potential to significantly impact healthcare and to support AI adoption in healthcare while ensuring safety, efficacy, and alignment with real-world needs.



Areas of Interest

HIHI.AI Call 2025 welcomes AI innovations across a **broad range** of healthcare applications, including but not limited to:

1. Digital Health & Consumer Applications

- AI-powered **health and wellness apps**
- AI-driven **wearable devices** for real-time monitoring
- Virtual health assistants and AI-powered chatbots
- Speech recognition and natural language processing (NLP) for documentation
- AI-driven **mental health tools** and emotional well-being monitoring

2. Healthcare Administration & Operations

- AI for **hospital workflow optimisation** and patient flow management
- AI-driven **medical billing, coding, and claims processing**
- Predictive AI for **supply chain and inventory management**
- AI-powered **fraud detection and risk assessment**
- AI for optimising workforce scheduling and **HR analytics**

3. Public Health & Population Health Management

- AI-driven **disease surveillance and outbreak prediction**
- Social determinants of health (SDoH) analytics
- AI for pandemic preparedness and response

4. Clinical Applications

- AI-powered **medical imaging** and diagnostics
- Predictive analytics for early disease detection
- AI-driven **precision medicine and genomics**
- Remote patient monitoring and **wearables**
- AI-assisted **robotic surgery** and decision support

Details of HIHI AI Call 2025

HIHI invites **AI-driven healthcare innovations** that have the potential to **significantly impact patient care, operational efficiency, and healthcare accessibility** in Ireland and beyond. Solutions can be either market-ready or in development.



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Assessment Criteria

Applications will be evaluated based on:

- **Relevance** – How well the innovation addresses a defined healthcare need
- **Impact Potential** – The potential for improving patient outcomes, efficiency, or access
- **Intellectual Property (IP) Management** – Clarity on ownership and protection
- **Market Viability** – Understanding of the market and scalability potential
- **Project Plan** – Feasibility and clarity of execution
- **Team Expertise** – Experience and capability of the innovation team
- **Resources & Readiness** – Ability to provide necessary resources for project execution
- **Feasibility in Irish Healthcare Context** – Alignment with the local regulatory and operational landscape
- **Integration** with existing Healthcare Technology Systems

What HHI Will Offer to Participants

HHI provides two types of support:

1. Pilot Projects

For AI innovations that are **market-ready with appropriate regulatory approvals and appropriate integration capabilities** (e.g., CE marking, GDPR compliance, compatibility with key interoperability standards such as FHIR, HL7 v2/v3, DICOM, and X12), HHI will facilitate:

- Access to the **healthcare system** for pilot execution
- A **reference site** in Ireland
- Project management and research support
- **Access to key opinion leaders and stakeholders**
- Independent **HHI Final Project Report**, useful for future funding or commercialisation
- Potential **case study publication** on the HHI website and inclusion in the HHI **product portfolio**

2. Clinical Evaluations

For AI solutions that are **market-ready or in development**, HHI will provide:

- Access to **clinicians and end-users** for critical feedback
- **Contextual insights** and **real-world evaluation**
- Project management and research support
- Independent **HHI Final Project Report**



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- Potential **case study publication** on the HIHI website

Requirements for Innovators

Participants must:

- Provide **dedicated personnel** and appropriate **resources** for the project
- **Cover project-related costs** (HIHI does not provide financial support)
- Engage actively with HIHI and healthcare stakeholders
- Have **the necessary insurance**, especially **for pilot projects**
- **Acknowledge HIHI support in public communications**

Important Notes for Applicants

- HIHI does not guarantee **procurement or adoption** of any AI solution by the HSE or other healthcare provider.
- HIHI does not conduct **clinical trials**, but can refer applicants to relevant research facilities
- If accepted, innovators must sign a **Project Agreement Document** before project commencement
- **Ethical approvals** and/or **Data Protection Impact Assessments (DPIAs)** may be required for some projects

Application Submission

The **HIHI.AI Call 2025 Application Form** is available for download at:

<https://hihi.ie/initiatives/hihi-ai/2025-call/>

Closing Date: the 29th of August 2025 – Applications must be submitted by 5 PM on the closing date.

Enquiries

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