



# NHS Test Bed for the West of Scotland

Services and support available to support pre-commercial open innovation with industry, academia and health & social care staff

2023

# West of Scotland Innovation Hub

### NHS SCOTLAND



Health in Scotland is a devolved power, with policy set by the Scottish Government

Services are delivered through:

14 territorial NHS Boards responsible for the protection and improvement of their population's health and for the delivery of frontline services (primary care, secondary care, tertiary services)

7 national NHS Boards who support the territorial Boards by providing a range of national services

1 national public health body

## WEST OF SCOTLAND



We are 6 Health Boards, with 81,000 staff and 2.7m population (50% of Scottish population)



### OUR HOST BOARD



Largest NHS organisation in Scotland and one of the biggest in the UK

35 hospitals, 6,000 beds, including largest hospital in UK Work with 6 local authorities Biggest employer in Scotland

Rich innovation ecosystem including iCAIRD and Strength in Places Living Lab partnerships, Health Data Exchange JWA, and typically 1,000 R&I studies/year

2019-20 activity: 510,000 emergencies 215,000 scheduled inpatients 1,185,000 outpatients 7.5 million GP attendances 13,600 babies delivered 24m prescriptions dispensed

## **INNOVATION HUB**



One of three NHS Scotland regional test beds funded by SG Chief Scientists Office

Established 2019

In 2021, 57 projects, involving mix of devices, sensors, data, software, Machine Learning / Artificial Intelligence, aided diagnostics and screening

From early stage to late stage innovation, and number scaled to BAU and national

Co-team involving Clinical Leads, Research & Innovation staff, eHealth specialists, wider support services and governance

### WHAT WE DO



Facilitate collaborations and access to NHS infrastructure for pre-commercial open innovation

Co-design, co-develop and codeliver with NHS, academia and industry

Provide leadership, support, regulation support, leverage funding, and access to NHS teams, healthcare settings, data and governance

Build evidence, allow innovators to refine solutions, inform strategy and develop thinking, support routes to scale-up and mainstreaming, and seek preferential access for NHS Scotland to final products

## **OUR TEST BED**

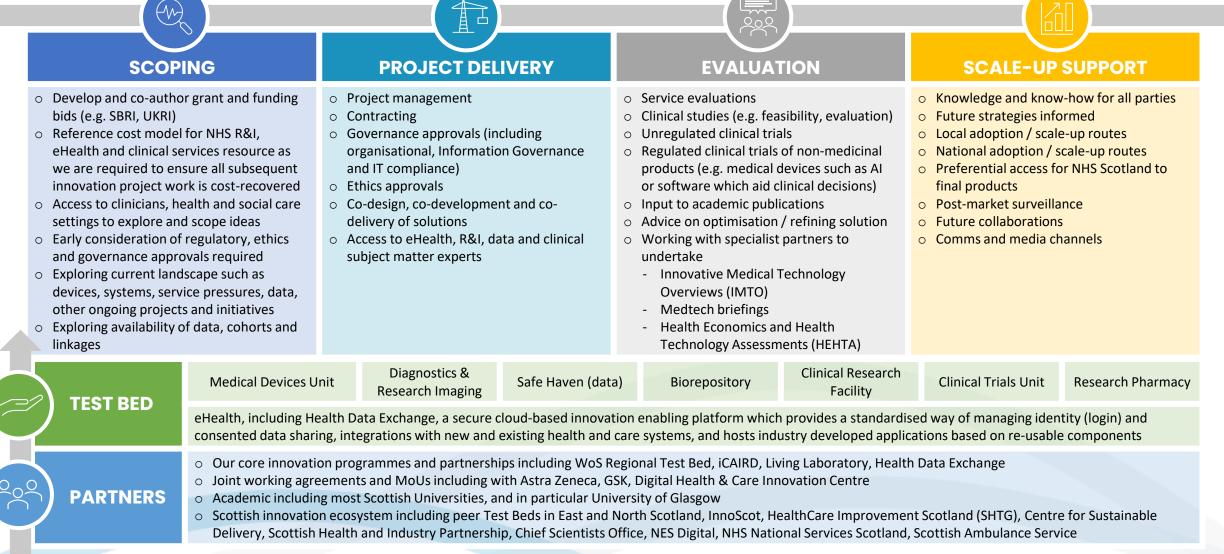


### Provide access to NHS test bed infrastructure and support



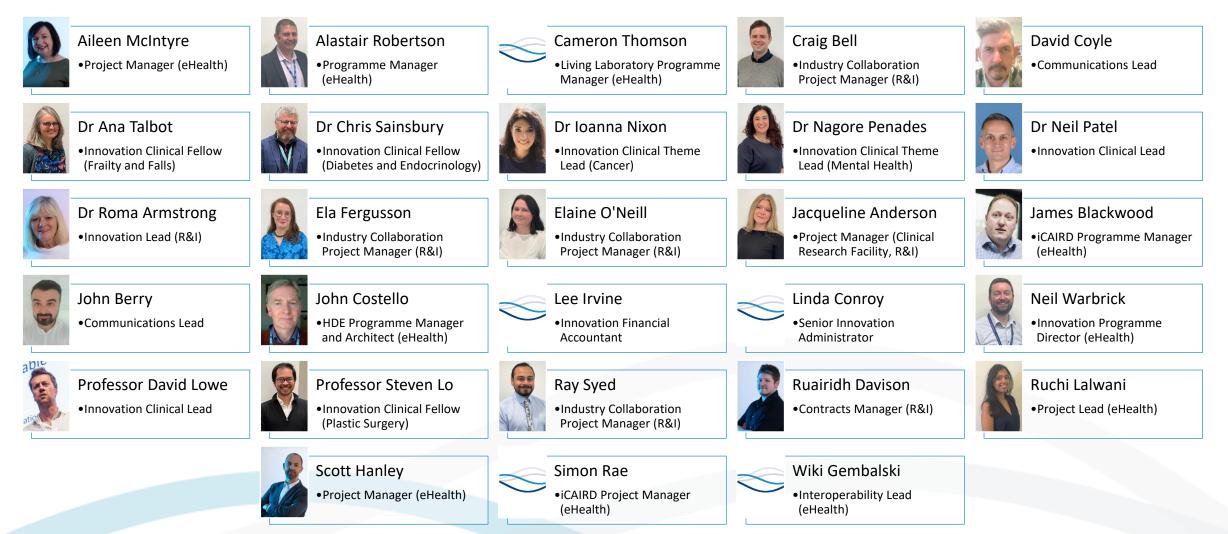
## Our services and support

# SCOTLAND West of Scotland Scotland Hub



# Our core team





"The West Scotland Innovation team have led the way in Scotland to collaborate with local and global businesses to rapidly bring new solutions into health and social care. Offering access to patients, clinicians, support staff and pathways of care they have brought to life Test Bedding in Scotland. Through experimental research and development, they have accelerated the pace of innovation processes, navigated regulatory hurdles, interoperability challenges and taken on board external investment to meet the needs of West Scotland citizens. Companies have worked together and commercialised new products and services benefiting the economy and providing much needed jobs in Scotland. They are a national success story- particularly during the response to Covid-19."

Andrew Fowlie, Executive Lead for Life Sciences, Chief Scientist Office, Scottish Government

#### "Opportunity for health and industry partnership: Lenus Health

Edinburgh-based Lenus Health partnered with one of Europe's largest healthcare providers, NHS Greater Glasgow and Clyde (NHSGGC), and the Digital Health and Care Institute (DHI) with funding from Innovate UK to deliver a digital COPD Support Service underpinned by the company's health data-exchange platform. The service aggregates data from wearables, respiratory devices and patient reported outcomes with clinical history data from EHR to provide clinical care teams and patients with a more robust view of their COPD condition. The service has been proven to reduce COPD emergency admissions by 28%, and hospital bed days by 38%. The company is also working in partnership with NHSGGC to operationalise AI risk stratification scores for exacerbation, readmission and mortality within point of care clinical workflows. In November 2021, global health leader ResMed, announced a minority equity investment in Lenus Health to support the international scale out of the company's technology through a joint go to market strategy."

The Campbell Report: A roadmap to investment for health innovation life sciences and health tech in Scotland (2021)

### Innovations that have scaled following co-development and evaluation:

3 digitally supported pathways in	COPD
CfSD ANIA assessment and value	Dermatology
case process for national scale-up	Early Diagnostic Heart Failure
4 solutions showcased in NHSx Digital Playbooks	Cardiology (Heart Failure) Dermatology Remote monitoring (vCreate) Respiratory (COPD)
3 products available to all NHS	Lenus asynchronous appointments
Scotland Boards via SoftCat or G-	TraumaApp
Cloud framework	vCreate
Plus	3 AI related products CA/CE marked COVID-19 Assessment Application made available to all NHS Scotland Boards

#### **Contact us:**

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#### Hear about us:

The experience of industry and clinical partners: <u>https://www.yo</u> <u>utube.com/watc</u> <u>h?v=-w-</u> <u>w\_vfoq2M</u>

Scottish Digital Health and Care Awards 2022Scottish Digital Health and Care Awards 2022HSJ Awards 2Industry Collaboration AwardData Driven Innovation Award iCAIRD Pathology Digitisation & AlHSJ Awards 2Dynamic AlDigital AwardScottish Digital Health and Care Awards 2022HSJ Awards 2Digitising Pat Services Initia Digital Dermation AssessmentDigital Digital Dermation Assessment	Scottish Digital Health and Care Awards 2021 COVID-19 Response Award vCreate	Scottish Life Sciences Awards 2021 Innovative Collaboration Award iCAIRD
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