

Applying Innovation in the UK & South London Healthcare System

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HIN: Our vision, mission and values

Our Mission:

Speeding up the best of health and care together

Our vision:

We want a future where health and care innovation spreads fast. We're building it by connecting people with great ideas, inspiring people to think differently and giving them practical support to do something new.

Together, we can create a future where everyone benefits from the best in health and care.

Our values:



Brave: We encourage our teams and others to be brave with their ideas and support them to try something new.



Kind: We care about each other, the people we work with and about the health and wellbeing of south Londoners.



Open: We're open about what we do and we share what we learn.



Different: We think differently and we are strong because of our diverse backgrounds, talents and experiences.



Together: We build communities and networks, we collaborate and we connect.

(South) London is a great place to innovate in healthcare

Diverse
population

Strong
universities &
research

Clear
regulatory
environment

High cost of
space / land

Every type of
care provider

Thriving
innovator
ecosystem

Culture of
innovation &
entrepreneurs

Few levers to
'force' change

Shared data
platform

Strong
funding
mechanisms

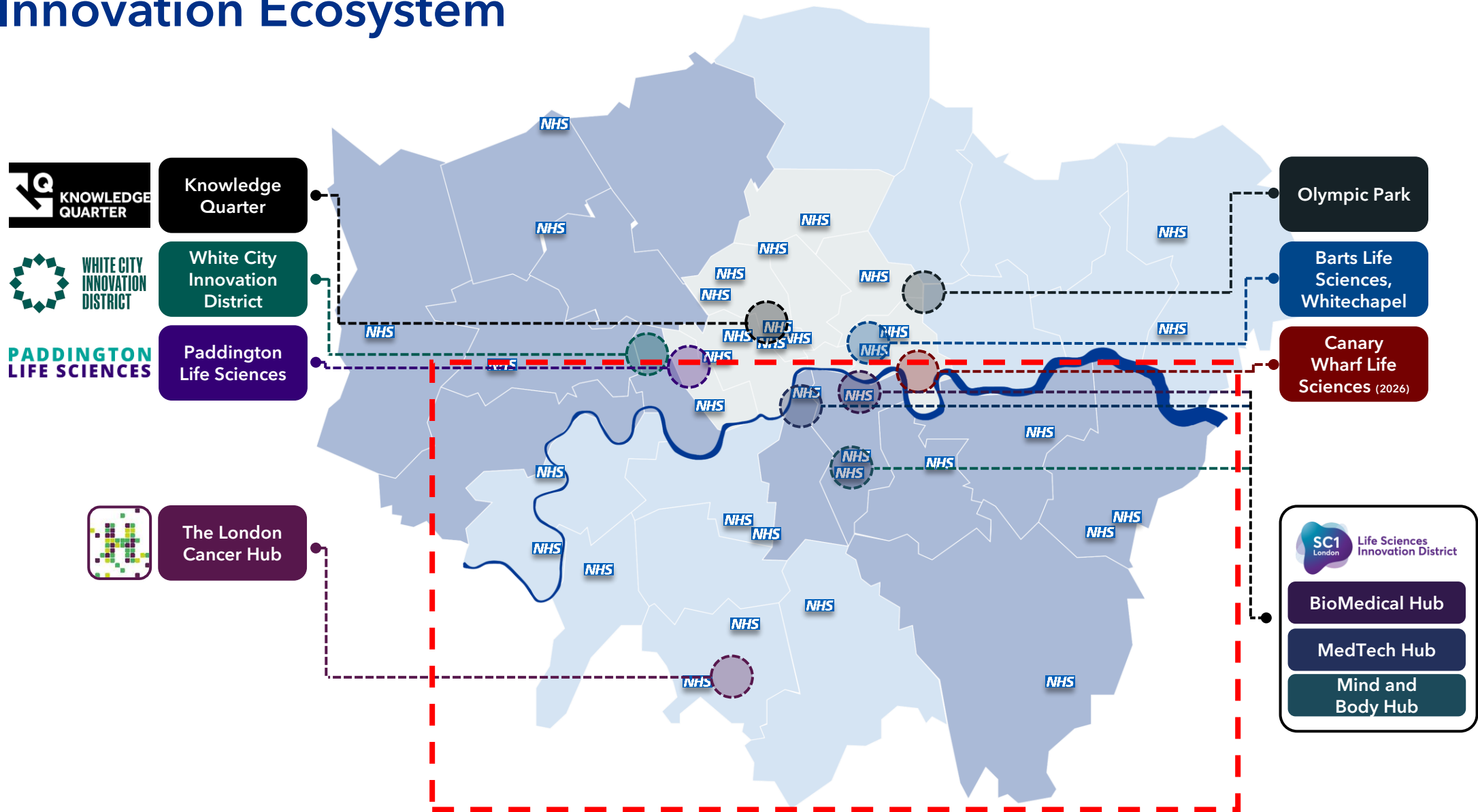
Testing /
evaluating
infrastructure

Single payor
system



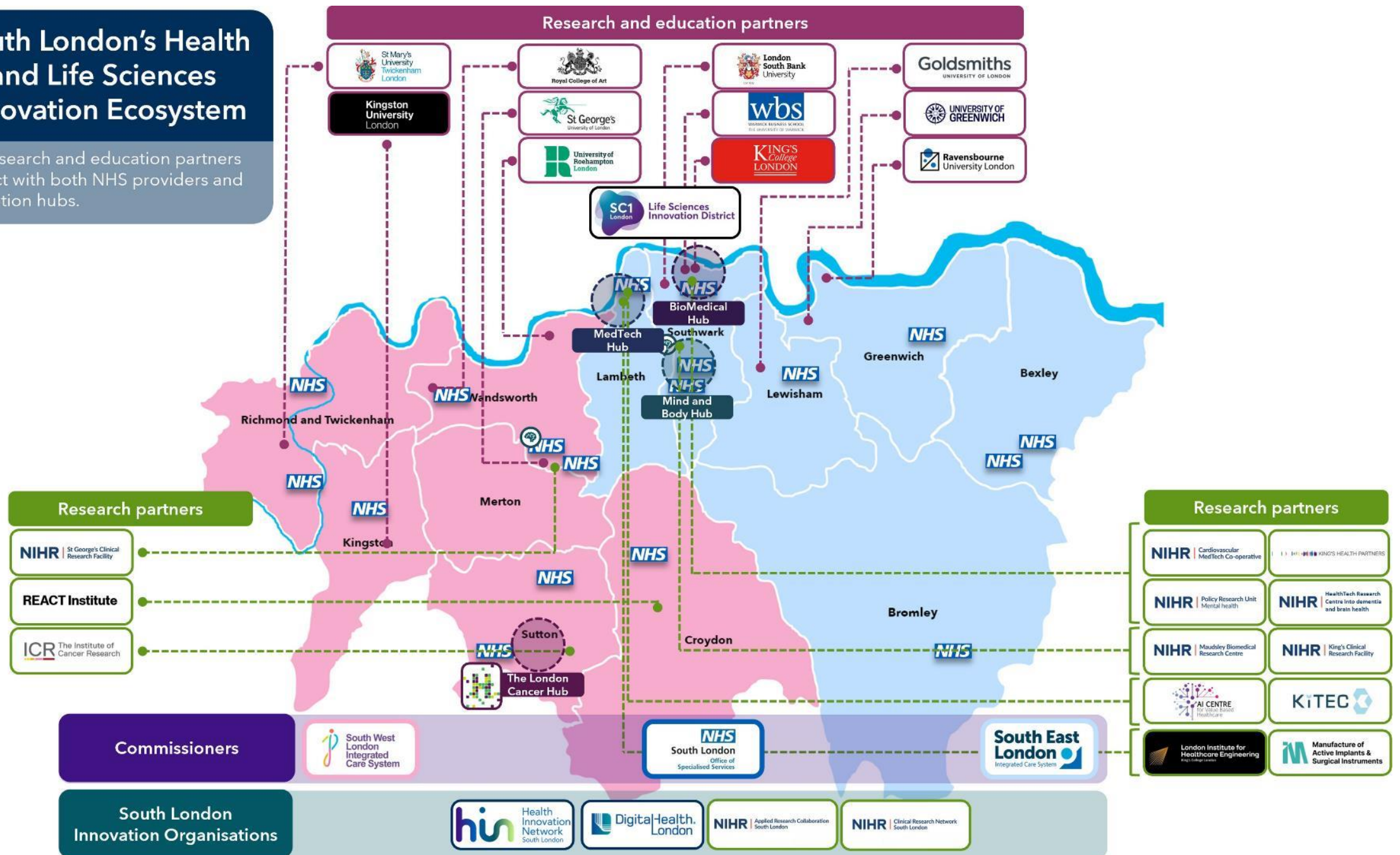
London's Health and Life Sciences Innovation Ecosystem

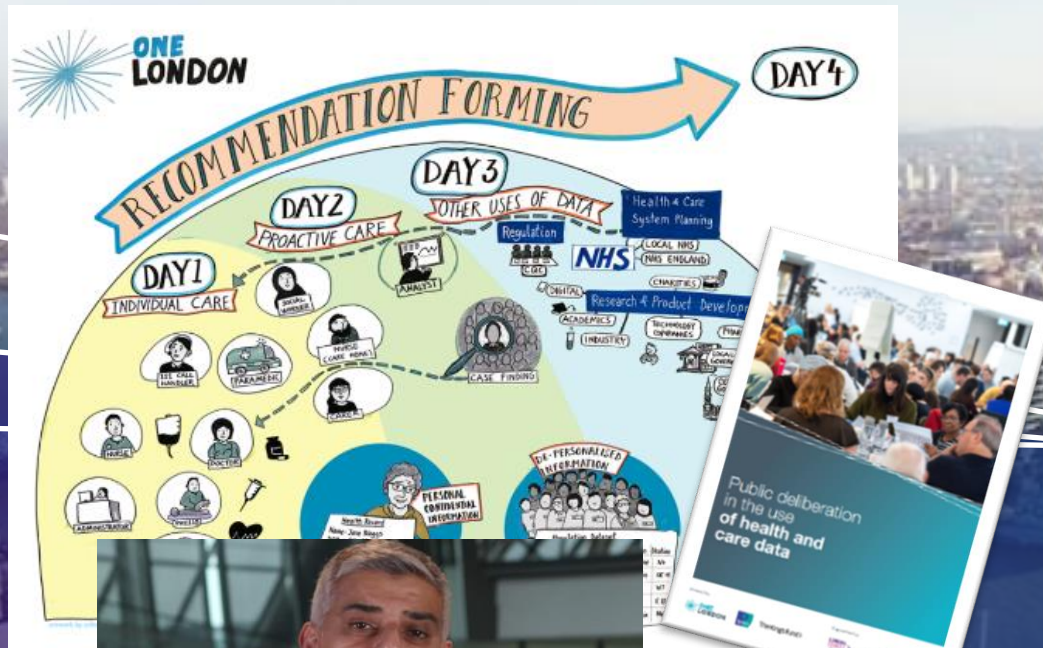
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South London's Health and Life Sciences Innovation Ecosystem

The research and education partners interact with both NHS providers and innovation hubs.



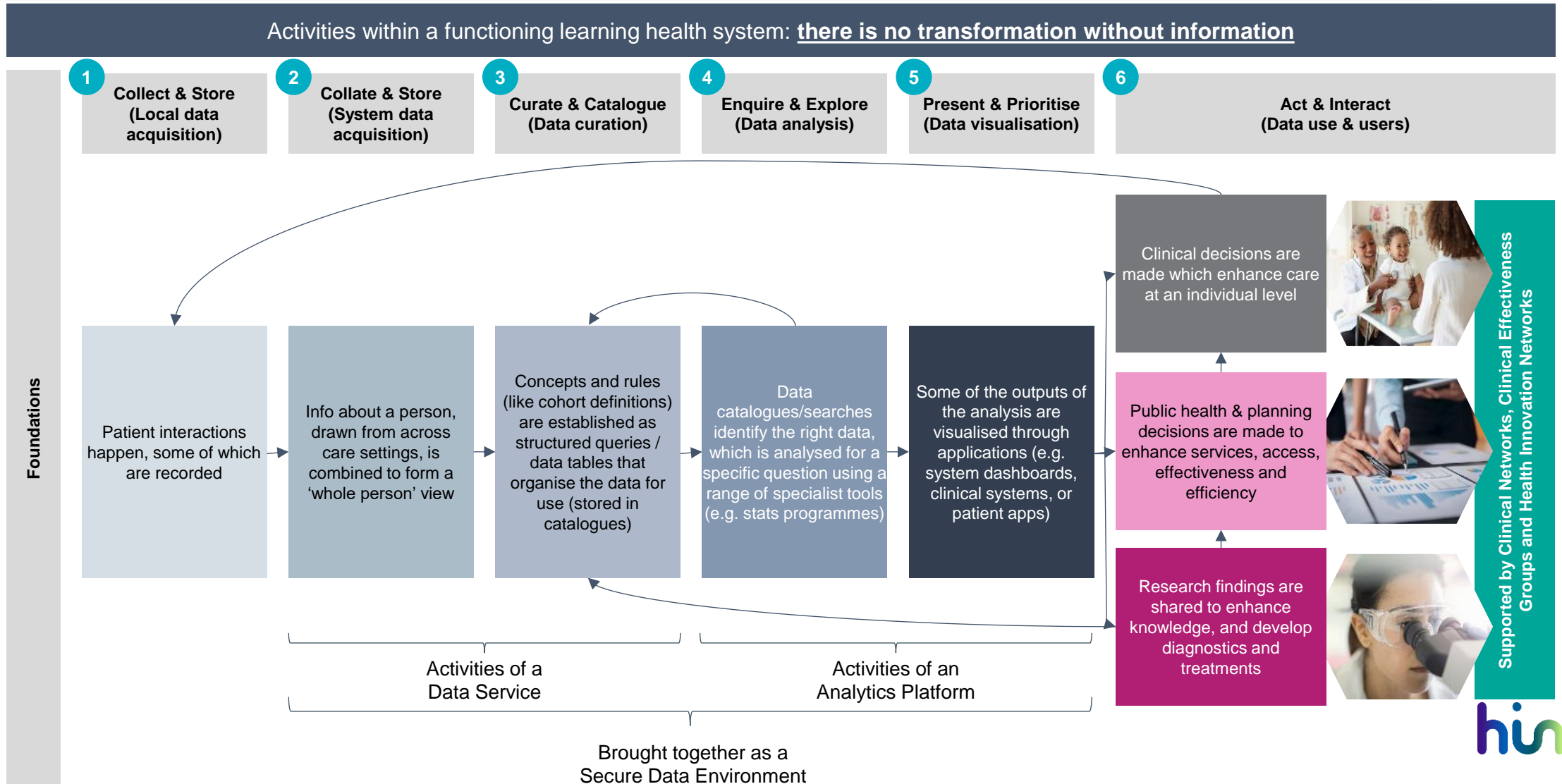


As Mavor. I'm supporting OneLondon

Core principles that characterise our OneLondon approach are to:

- ***collect data once, and use it for multiple purposes***
- ***collaborate on data platforms, compete on research***
- ***capture reciprocal value in the real world***
- ***cultivate a leadership community***

We are developing this as a Learning Health System: an improvement loop where data about care drives research which drives better care



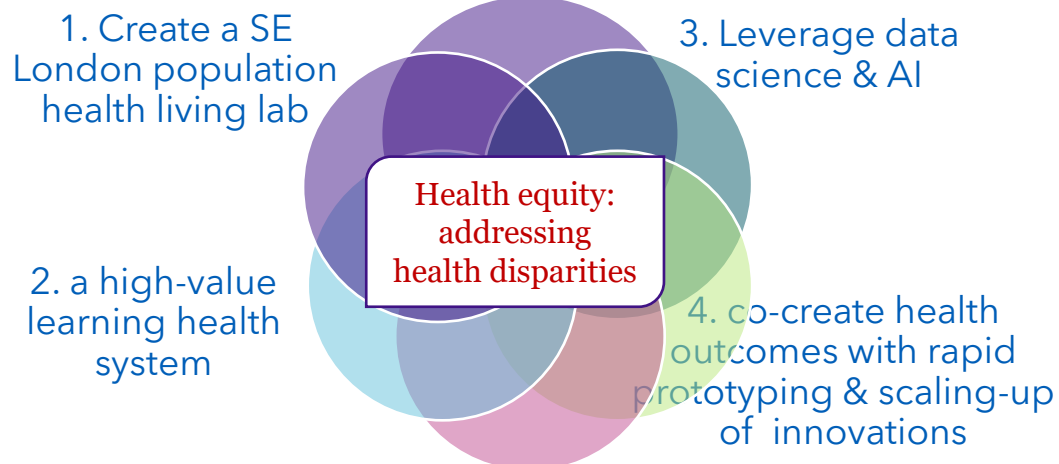
We are using this data to identify & address health disparities – leveraging expertise at universities e.g. King's College London



Population Health Institute

Our vision is to make the world a healthier place

Precision population health



Population health management data analytics framework

transforming data insights into actions

1. **Descriptive:** reporting & visualisation
2. **Diagnostic:** root cause analysis
3. **Predictive:** forecasting
4. **Prescriptive:** optimisation
5. **Cognitive:** AI & Machine Learning
6. **Actionable:** real-time support
7. **Outcome optimisation:** continuous learning

For more information visit: KCL Population Health Institute – Leads: Professors Josip Car, Matthew Hotopf CBE, Irene Higginson OBE

The AI centre for Value Based Healthcare forms the centre for a network focused on applying AI in healthcare settings

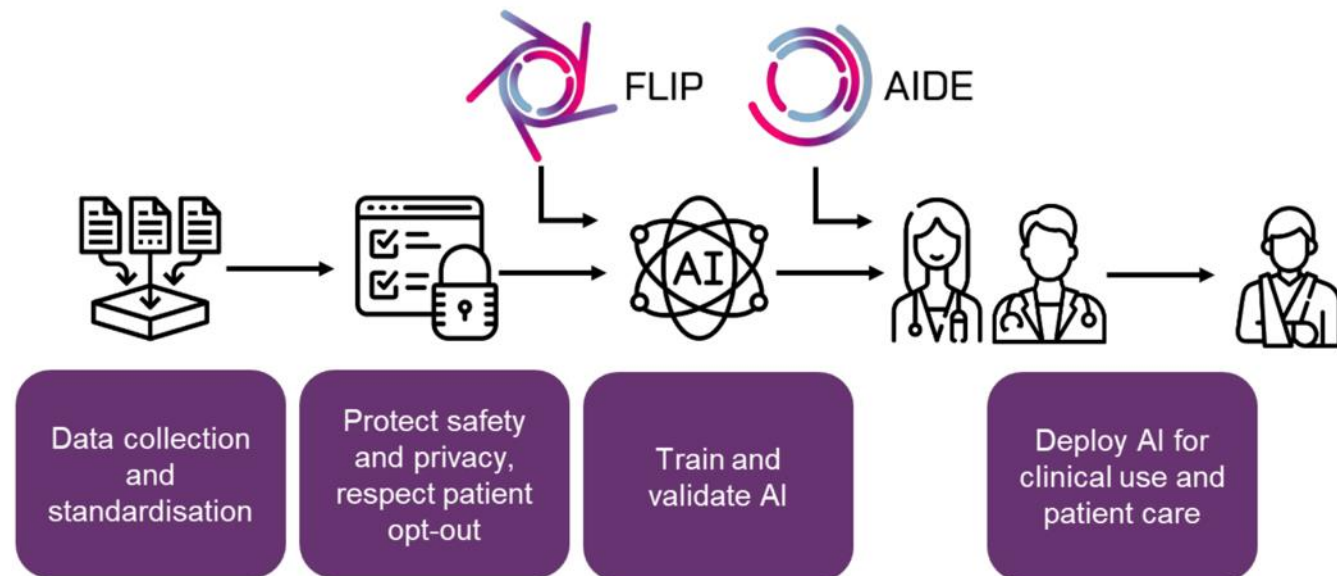
AI Centre partners:

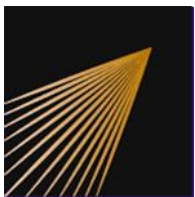
(10 NHS orgs., 4 universities, 17 industry)



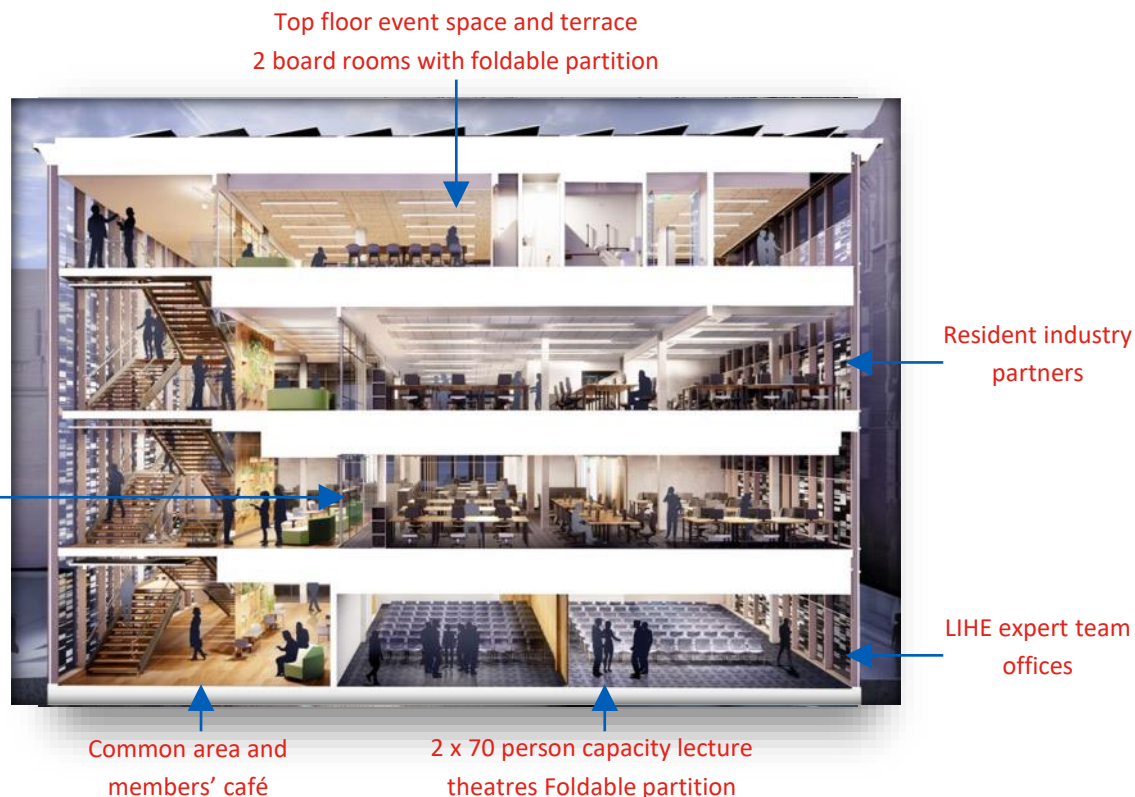
AI Centre supports across the whole AI lifecycle

(including several key infrastructure platforms shared across partners)



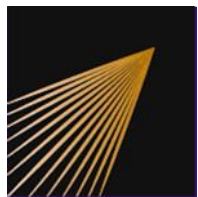


London Institute for Healthcare Engineering (LIHE) is at the centre of our MedTech hub

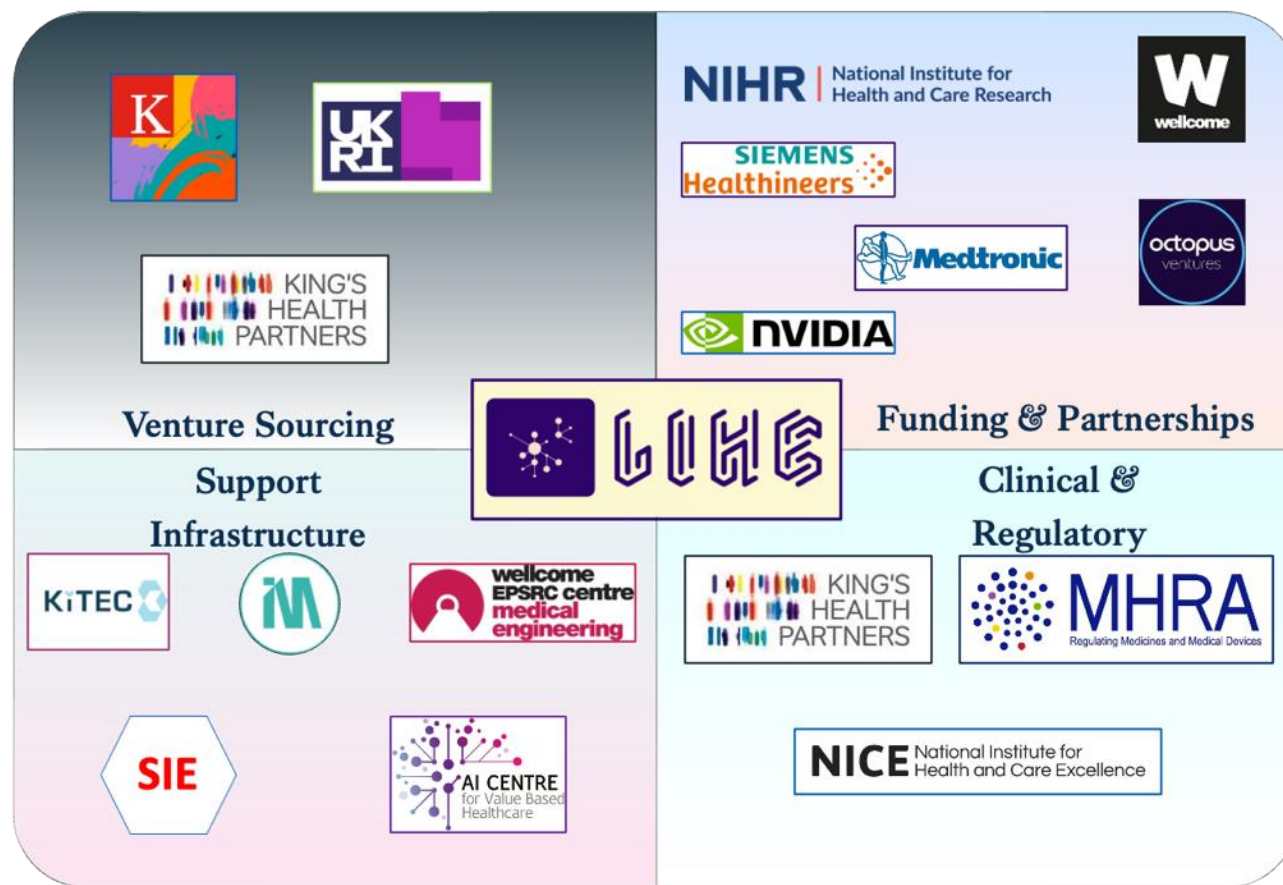


- A globally recognised centre of excellence for medical device translation
- The hub for all MedTech activity in the UK and EU
- An Ecosystem of the MedTech Industry With Global Reach
- Partnership with 6 universities

For more information visit: <https://lihe.org.uk>



London Institute for Healthcare Engineering (LIHE) is a good example of how we support an ecosystem at hubs



For more information visit: <https://lihe.org.uk>

Pharmaceutical research across the south London hospitals is coordinated from the Biomedical hub and mind and body hub

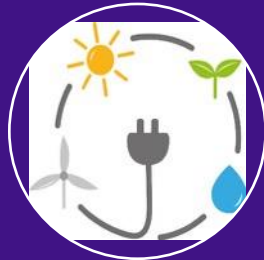
NIHR | Research Delivery Network



- These networks coordinate clinical trials across the south London hospitals including at:
 - Guy's and St. Thomas'
 - King's College Hospital
 - St. George's hospital
 - Maudsley Hospital
 - Royal Marsden
- The Centre for Translational Medicine is focused on linking research to local health needs and the population

For more information visit: <https://rdn.nihr.ac.uk/region/south-London>, <https://www.maudsleybrc.nihr.ac.uk>

Several centres across south London with facilities to test/simulate clinical environments including REACT in southwest London



Energy and
Sustainability



Health Tech



Smart
Manufacturing

Croydon Innovation Centre Verticals

The Health Innovation Network runs programmes to support innovators to develop and deploy solutions to local problems



Health Innovation Network

Universal offer for all innovators (innovation clinics, signposting and advice) along with enhanced and distinctive offers



National scale programme for health innovators

Accelerating FemTech

Innovators with technology solutions to address current challenges in women's health

Mindset-XR Innovator Support programme

Innovators with XR technology solutions to address mental health & wellbeing


























































































































Helping staff transform the NHS through digital



Driving investment - Success to date

- Over **300 enterprises** supported by HIN's innovator support programmes
 - Over **150 enterprises** over **8 cohorts** of the **DigitalHealth.London Accelerator** programme
- **£2.16bn** Investment raised by innovators supported
- **200+** Investors engaged

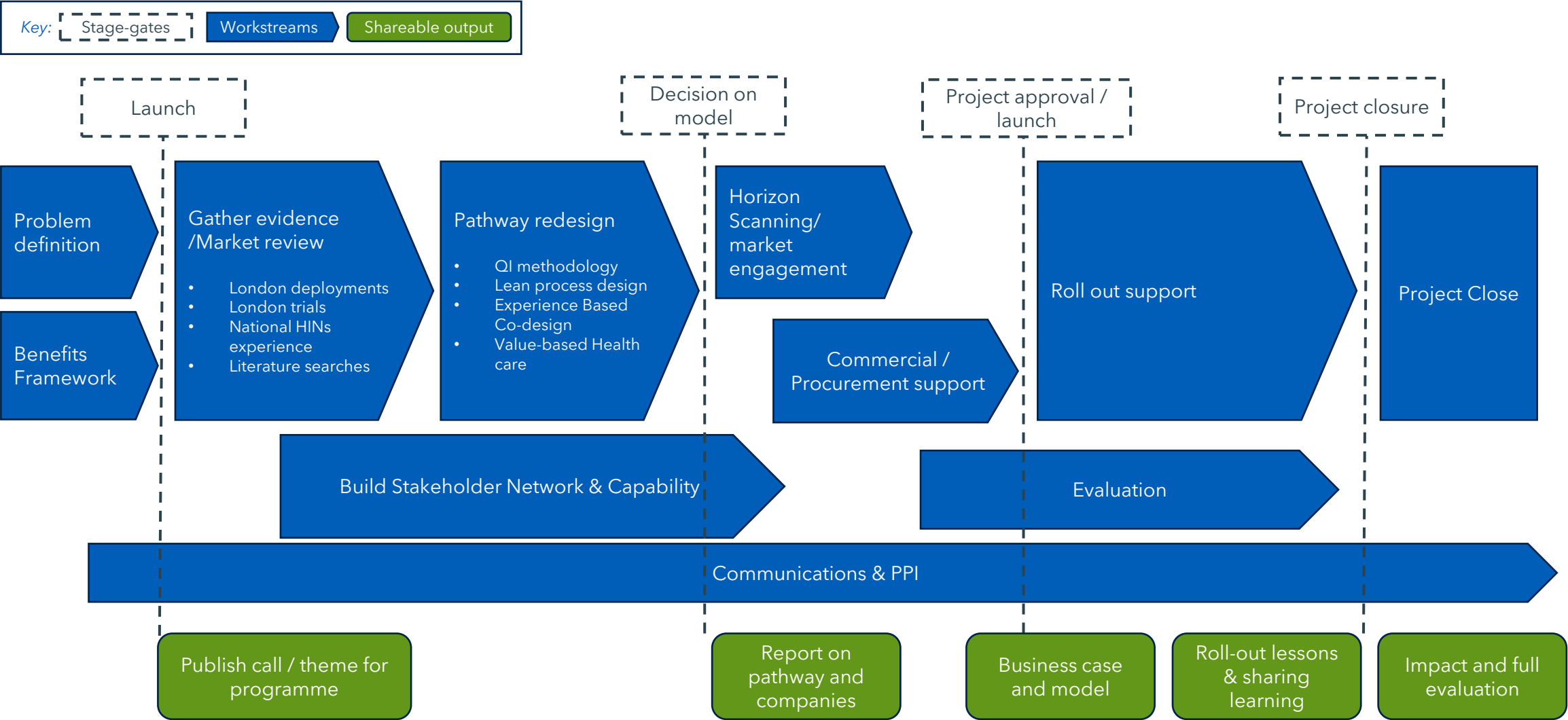
DigitalHealth.London's Accelerator has supported many of the leading companies in digital health over the last 8 years

DigitalHealth.London Accelerator						
Cohort 1	Cohort 2	Cohort 3	Cohort 4	Cohort 5	Cohort 6	Cohort 7
                	                 	                	                	                	                	               

Investment for healthcare and growth – Relationships at all stages of growth



Process for deploying innovation in south London



Case-study: Innovation Partnership with South East London Cancer Alliance

AIM: Supporting the South East London Cancer Alliance (SELCA) to understand the market for personalised care platforms to inform future personalised care module development or procurement.

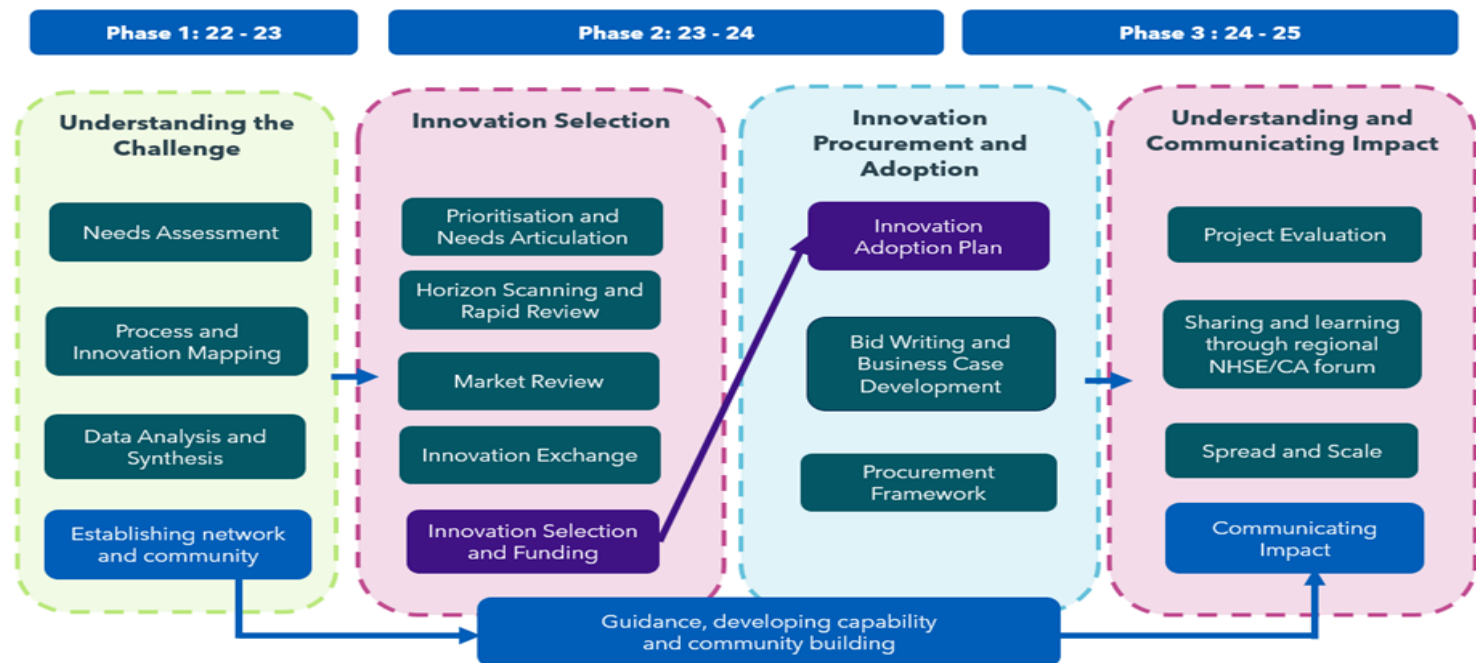
ACTIVITIES: Compiled the **needs articulation** and developed **inclusion criteria**; researched the market to identify solutions meeting the inclusion criteria; **shortlisted suppliers** and assessed functionality of solutions; produced a **market review report** to inform decision making.

HIN/SELCA Partnership Roadmap

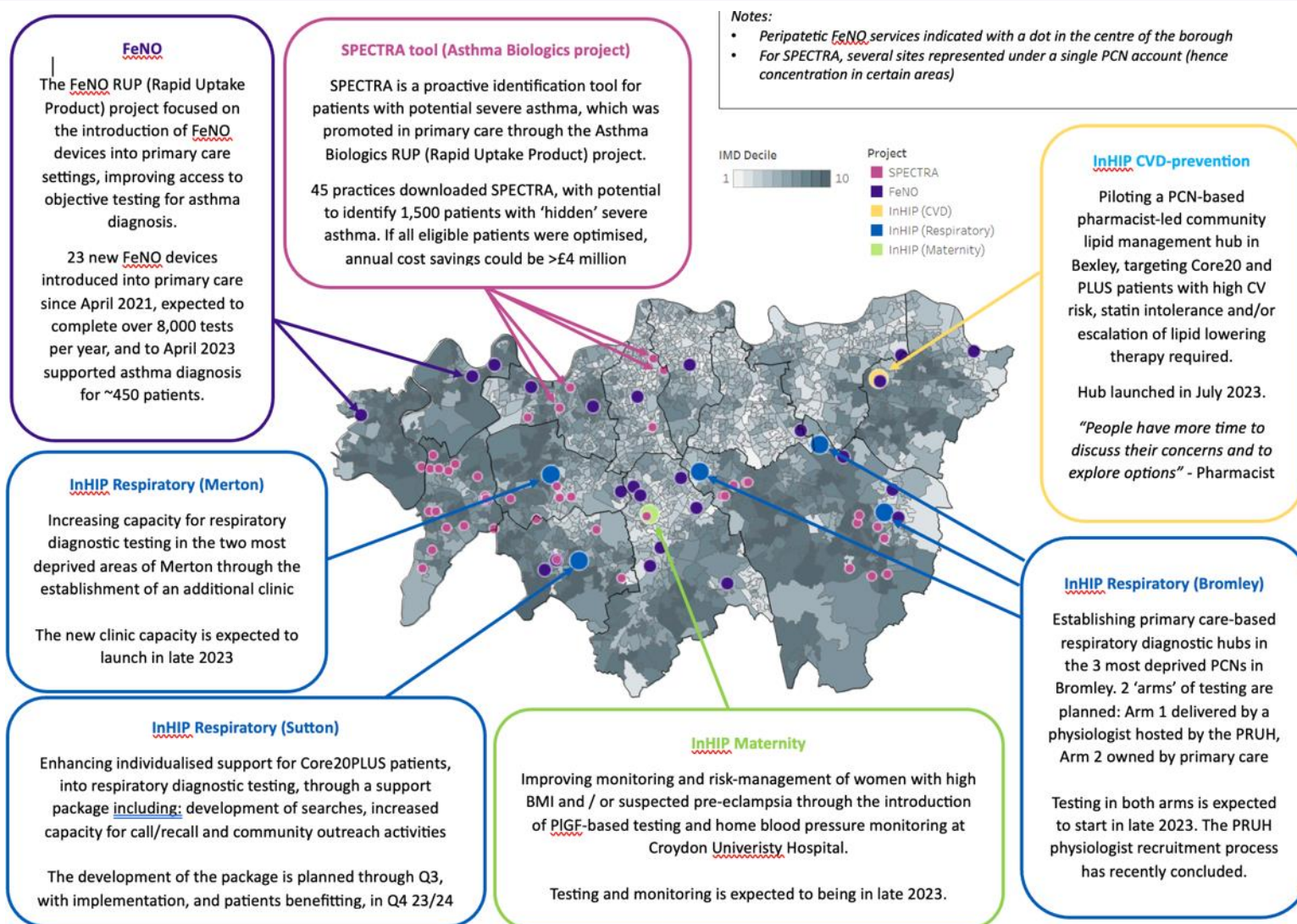
IMPACT

Teams equipped with understanding of the commercial models, costs, functionalities, capabilities and standards across the market.

Piloting of one of the identified solutions



There are large disparities in income & deprivation and much of our health innovation work focuses on closing the gap



In summary, the south London innovation ecosystem is characterized by 3 key elements linked through public involvement to local priorities

Single combined data service
for clinical care and research

Series of networks with
central hubs for collaboration

Process, and programmes
focused on adoption

