

Professor Phil Wood

CEO Leeds Teaching Hospitals Trust





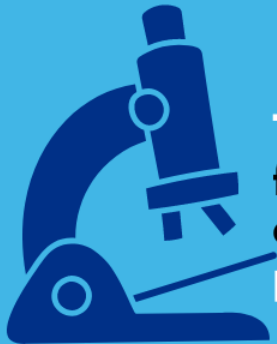
Treating around
1.6 million
patients every year

7

Hospitals
across 5 sites



Around
10,000
babies born
every year



Top recruiter
for clinical trials
and UK first
procedures



Almost
22,000
members of staff



Spending around
£1.9
billion every year

The Leeds Innovation Ecosystem

£40m NIHR Leeds Infrastructure



100,000 people participating in
clinical research



Health innovation is Catalysing 13bn
for the regional economy



Leeds has 22% of all UK digital
Health jobs

Leeds Innovation Village



- The Old Medical School in Leeds is being redeveloped as a vibrant Health Tech Innovation Hub at the heart of the City's Innovation Arcnovation Arc.
- Will serve as a catalyst for West Yorkshires thriving Health Tech ecosystem.



Our Research Centres

- NIHR Biomedical Research centre
 - NIHR Clinical research facility
 - NIHR Bio Resource
 - NIHR Leeds HealthTech Research Centre
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- National Pathology Imaging C-operative
 - Experimental Cancer Medicine Centres

Why is health tech innovation essential?

By 2040 even more of our patients will be “digital natives”



1 in 5 are also expected to have multiple long term health conditions. A 37% increase from 2019.



Health tech innovation will be integral to providing the health care system we need and will underpin all 3 of the government shifts- not just analogue to digital.

Paradox of technological change

“Hi-tech” – genomics, robotic surgery, immunotherapies, implantable therapies etc

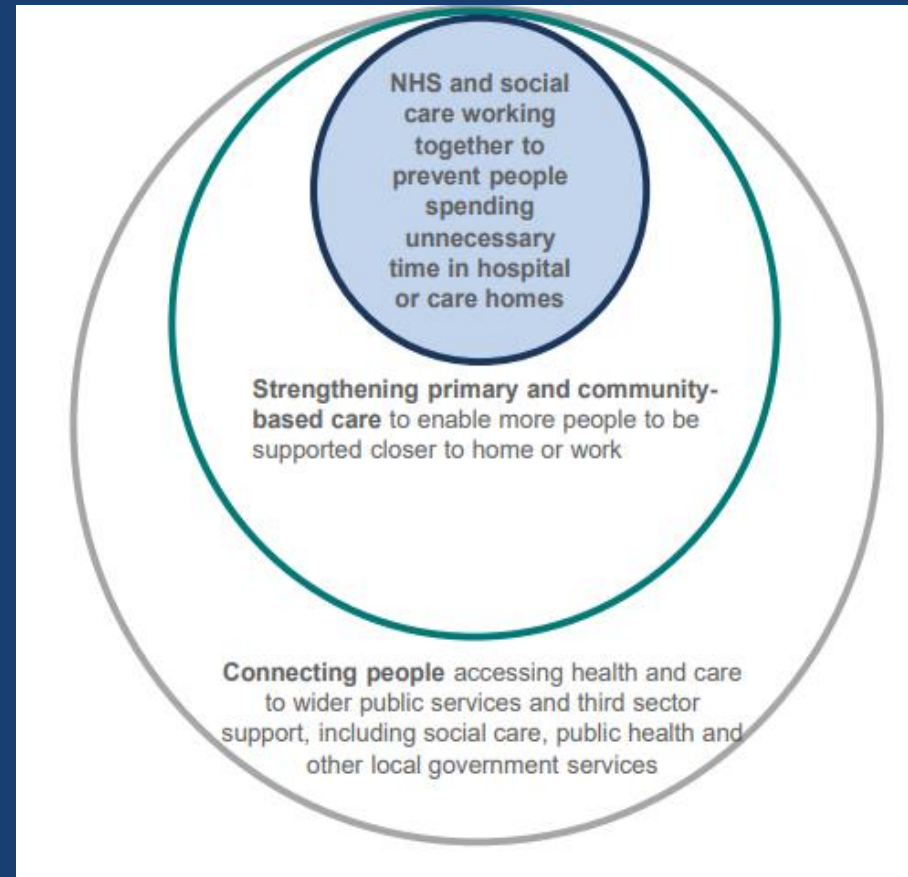
Vs

“low-tech” Community need, long-term disease management, health equity

Alignment is critical- a need for both

How it can help:

- Relieve workforce pressures
- Support changing models of care- neighbourhood health, virtual and remote care out of hospital.
- Empower patients and improve care
- Meet demographic challenges- ageing population, increasing complexity of long-term health conditions and co-morbidities.
- Underpins all 3 shifts:
Hospital- Community,
Treatment- Prevention not just **Analogue- Digital!**



Next Generation health tech in action

Maxillofacial:

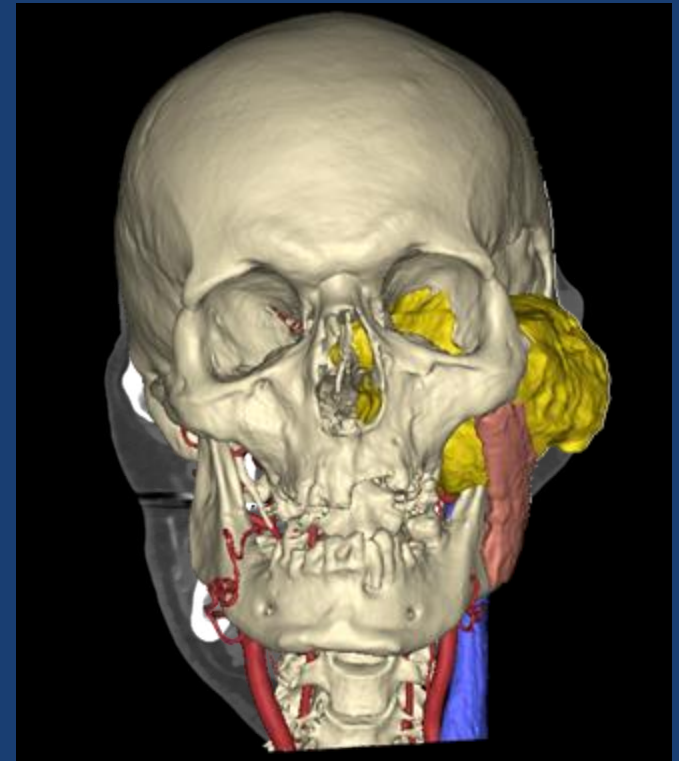
- We're using virtual planning and 3D printing to create bone replacements in Maxillofacial.

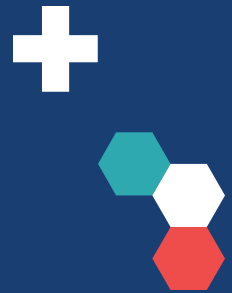
Minimally Invasive Therapies and digital Technologies

- Health tech research centre exploring A robotic camera system that makes bowel examinations easier for patients and more efficient for hospitals

Get U better Knee App

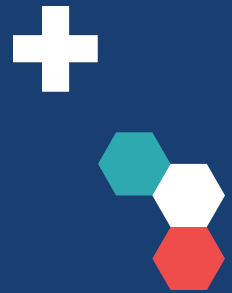
- Virtual knee care for patients across the pathway study to see how it improves symptoms and quality of life.





The power of partnerships





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