

Professor Phil Wood

CEO Leeds Teaching Hospitals Trust





Treating around
1.6 million
patients every year



Top recruiter
for clinical trials
and UK first
procedures



Around
10,000
babies born
every year



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 Yorkshire's thriving Health Tech ecosystem.



Our Research Centres

- NIHR Biomedical Research centre
- NIHR Clinical research facility
- NIHR Bio Resource
- NIHR Leeds HealthTech Research Centre

- 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

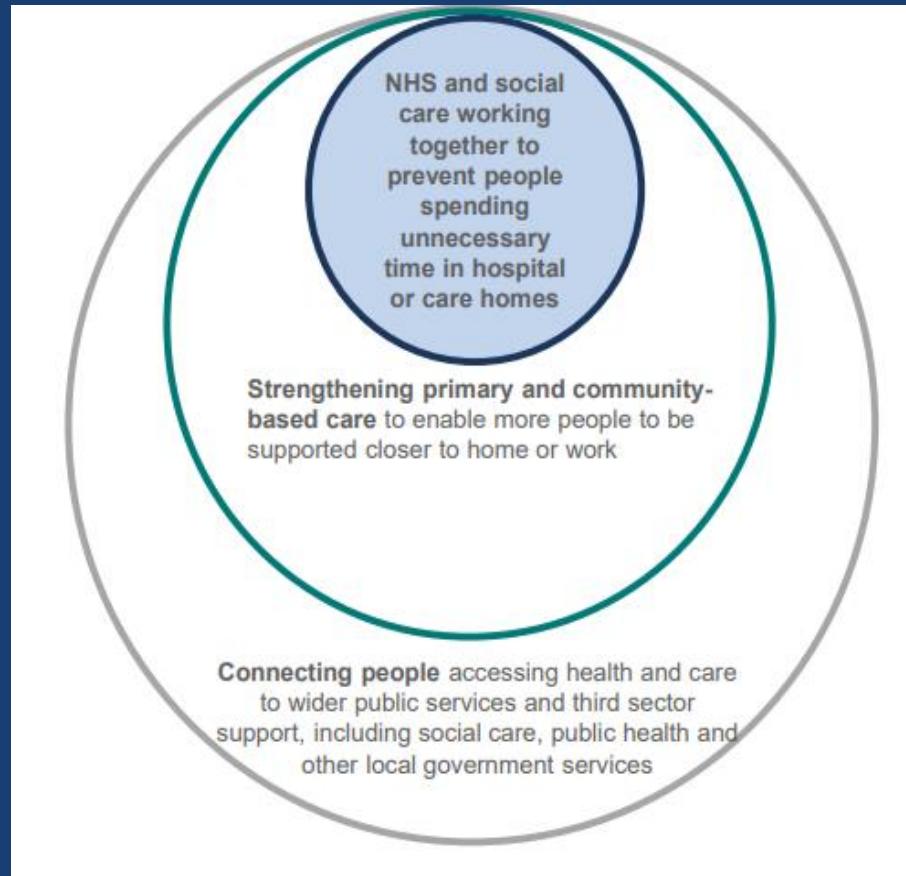
Vs

“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:

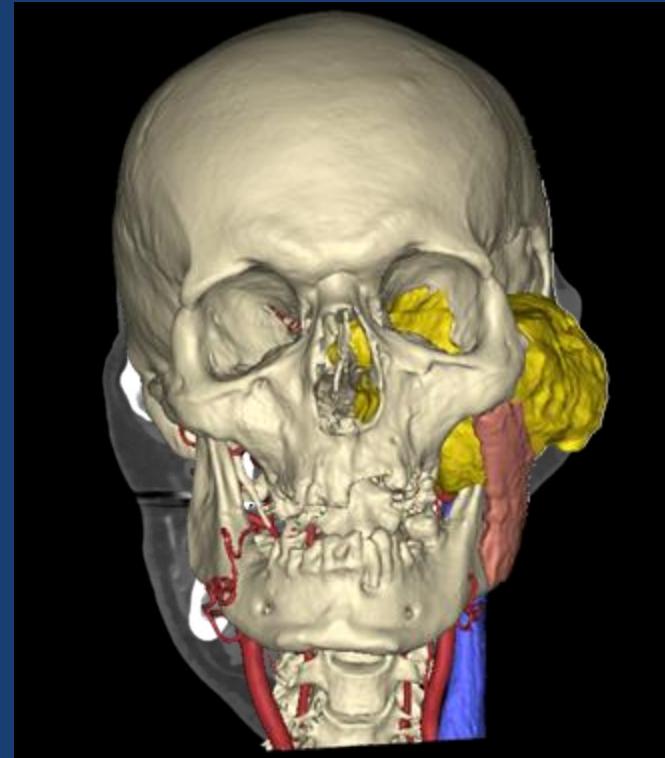
- We're using virtual planning and 3D printing to create bone replacements in Maxillofacial.

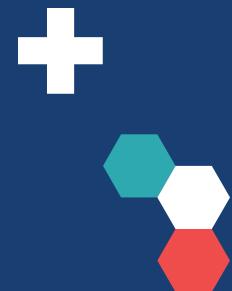
Minimally Invasive Therapies and digital Technologies

- 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

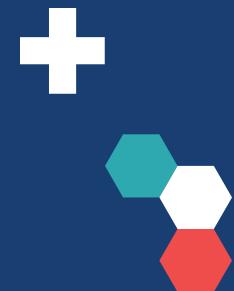
- Virtual knee care for patients across the pathway study to see how it improves symptoms and quality of life.





The power of partnerships





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