

New Hospital Programme Designing Differently: Digital

Digital Health Rewired – 14th March 2023

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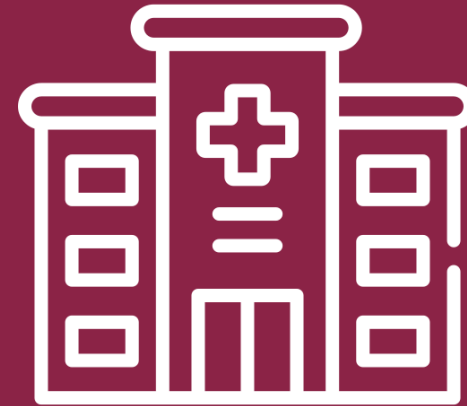


Department
of Health &
Social Care

NHS

England

New Hospital Programme



48 hospitals by 2030
the biggest hospital building
programme in a generation



Build national capacity

From improving mental health and learning disability services in Cumbria, Northumberland, Tyne and Wear to building a new Women and Children’s Hospital in Cornwall, this programme will bring top-class healthcare services to more people locally.



High quality and sustainable care

These hospitals are part of the Government’s wider plans to invest in buildings and equipment across the NHS and ensure our world-class healthcare system and staff have the facilities they need for the future.



Intelligent hospitals

Laying a foundation for interoperable and intelligent systems – the New Hospital Programme will provide outstanding healthcare facilities, which will drive digital innovation and investment in new diagnostics.



Deliver better, faster and a Sustainable Legacy

The New Hospital Programme will pursue standardised designs and productisation to create an NHS kit-of-parts, employing modern methods of construction (MMC) to speed up the build, reduce cost and increase quality.



Digital in the build cycle

‘The New Hospital Programme is transforming the way we deliver healthcare infrastructure for the future NHS’

Digital in the hospital

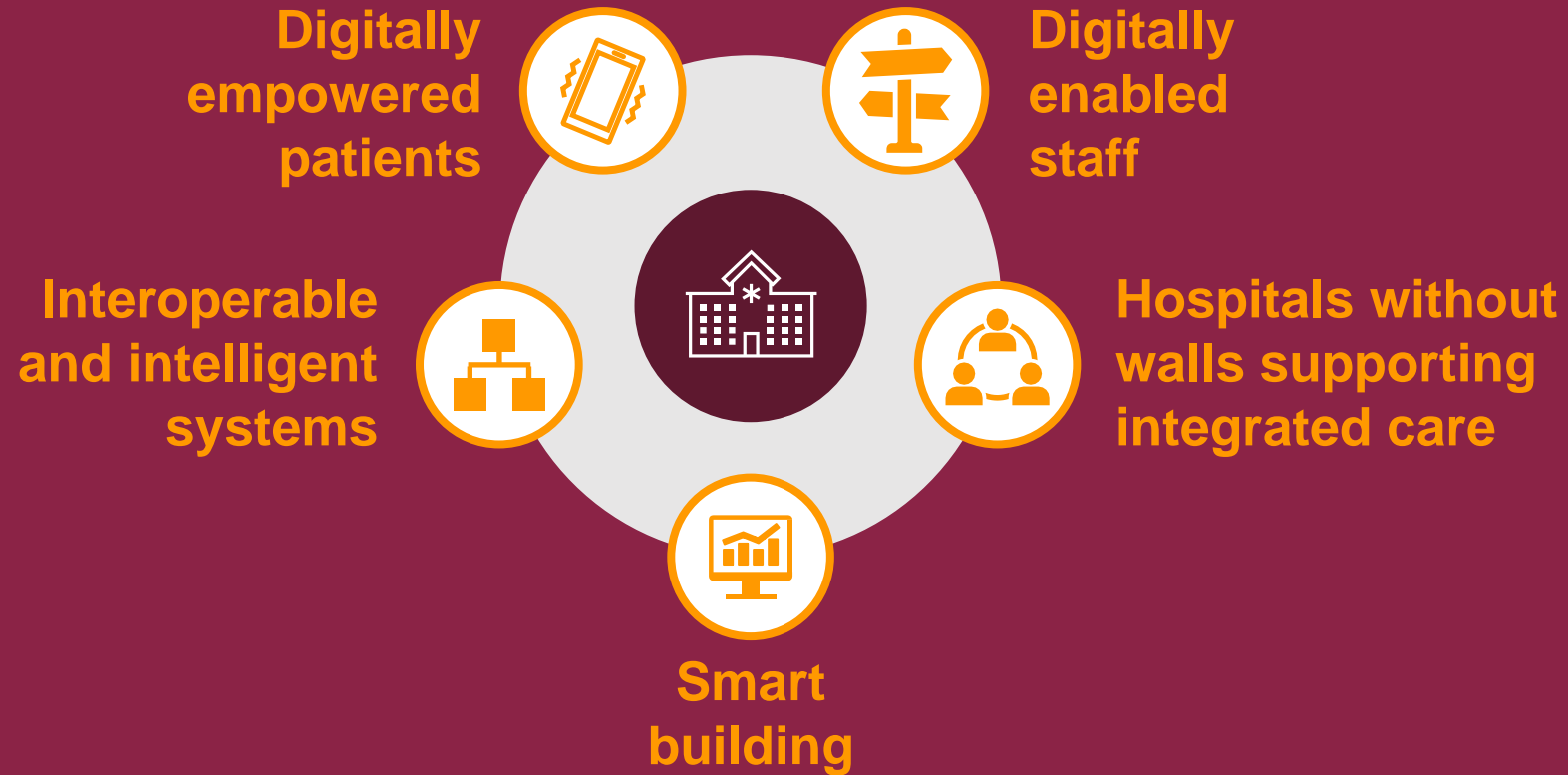
Digital in the system

**Future state and
strategic objectives
our digital approach
will realise**



***Transform and simplify the lives
of patients & staff through
connected Intelligent Hospitals
that evolve in partnership with
the health eco-system.”***

To deliver an intelligent hospital, there are 5 fundamental principles we must adhere to



Challenges that make digital transformation difficult.

Digital Hospital delivery lifecycle



Strategic planning and requirements definition



Design and spec



Manage market and procure



Construct and implement



Operate

Definition

Delivery

Optimisation

Opportunity 1:

NHP's Digital approach can support Trusts by defining digital hospital best practice






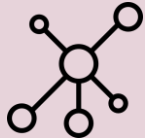

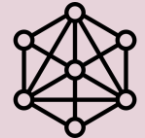





Opportunity 2:

NHP's Digital approach can support Trusts to deliver digital hospitals.

Opportunity 3:

NHP's Digital approach can help trusts to drive value through continuous improvement and optimisation of the hospital

The technology capabilities required to deliver an intelligent hospital have been broken down in to three fundamental categories

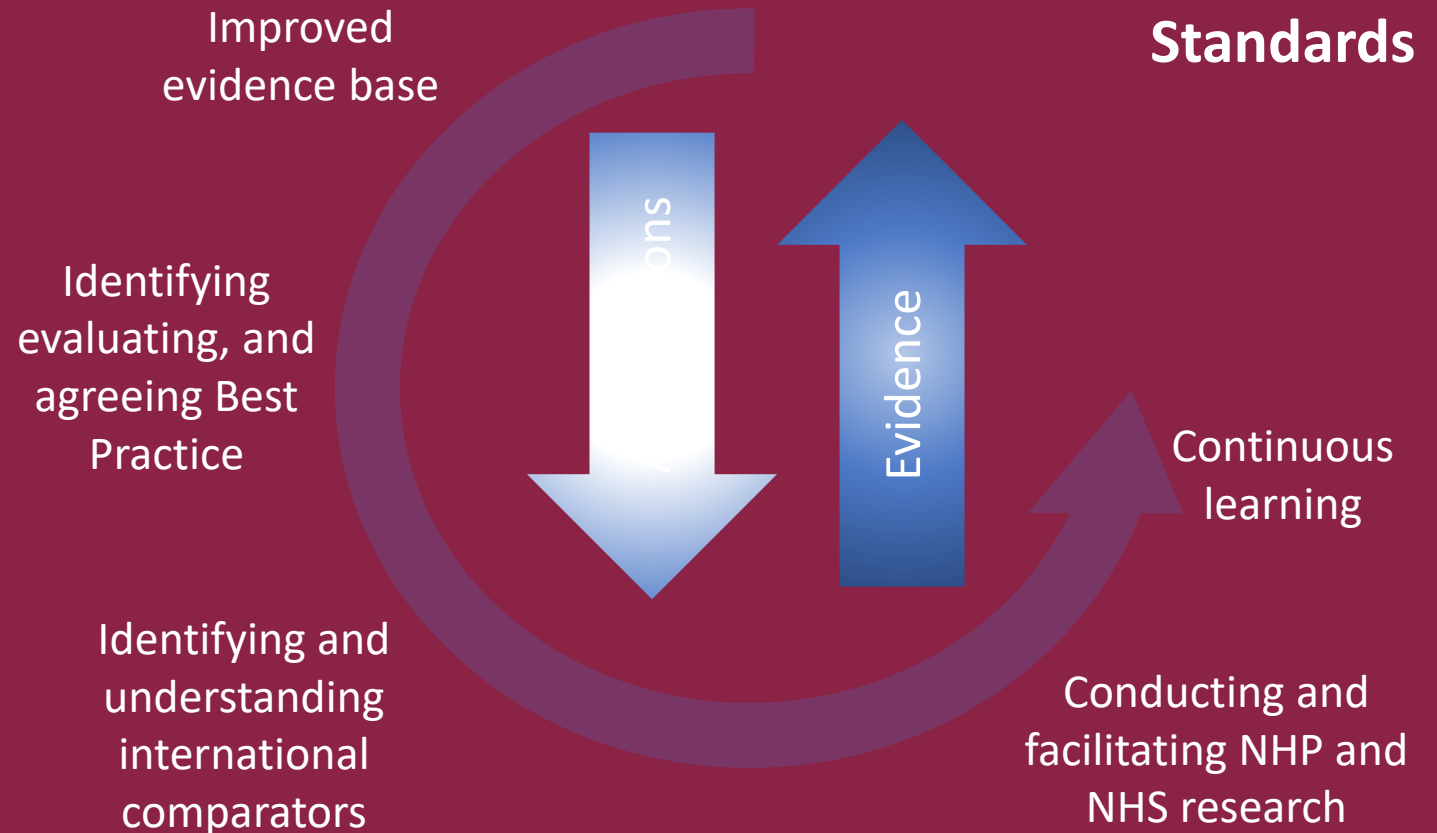
Category	Summary	Description				
Fabric	The technology that is part of the hospital building	 <p>Underlying Infrastructure</p>	 <p>Enabling technology</p>	 <p>Sustainability built-in</p>	 <p>Enabling architecture</p>	
Footprint	The technology that connects the hospital to other care settings	 <p>Patient experience</p>	 <p>Connected care</p>	 <p>Care beyond the hospital</p>	 <p>System interoperability</p>	 <p>Staff engagement</p>
Flow	Technologies which support the flow of information in a clinical pathway	 <p>Traceable journeys</p>	 <p>A learning and predictive system</p>	 <p>Next generation and core clinical systems</p>	 <p>Security and data governance</p>	

Adopting an evidence-based approach to continuous improvement

In the early phases of the NHP, we will be reliant on assumptions and existing practices.

However, as the programme matures, we will gain more evidence on all aspects of hospital design and development, and our confidence will increase.

A key part of the Transformation Function is to establish the culture and tools that facilitate continuous improvement throughout the NHP.



New Hospital Programme Learning Ecosystem

