



# Clinical Leadership in Digital Health

Driving innovation and leadership in healthcare technology

Prabha Vijayakumar

National Chief AHP Information Officer  
NHS England

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# STRATEGIC CONTEXT AND VISION

# SETTING THE CONTEXT FOR DIGITAL TRANSFORMATION



## Drivers of Digital Transformation

Rising demand, workforce shortages, and need for improved safety drive healthcare digital transformation.

## Integrated Digital Ecosystems

Connected digital data systems enable real-time sharing, better decisions, and streamlined workflows.

## Automation Benefits

Automating routine tasks frees clinical time and reduces transcription errors in healthcare.

## Enhanced Patient Experience

Digital tools offer convenient access like online booking, improving patient satisfaction.

# WHY DIGITAL TRANSFORMATION MATTERS IN HEALTH AND CARE



## Addressing Healthcare Challenges

Digital transformation tackles rising demand, staff shortages, and the need for enhanced patient safety and experience.

## Integrated Digital Ecosystems

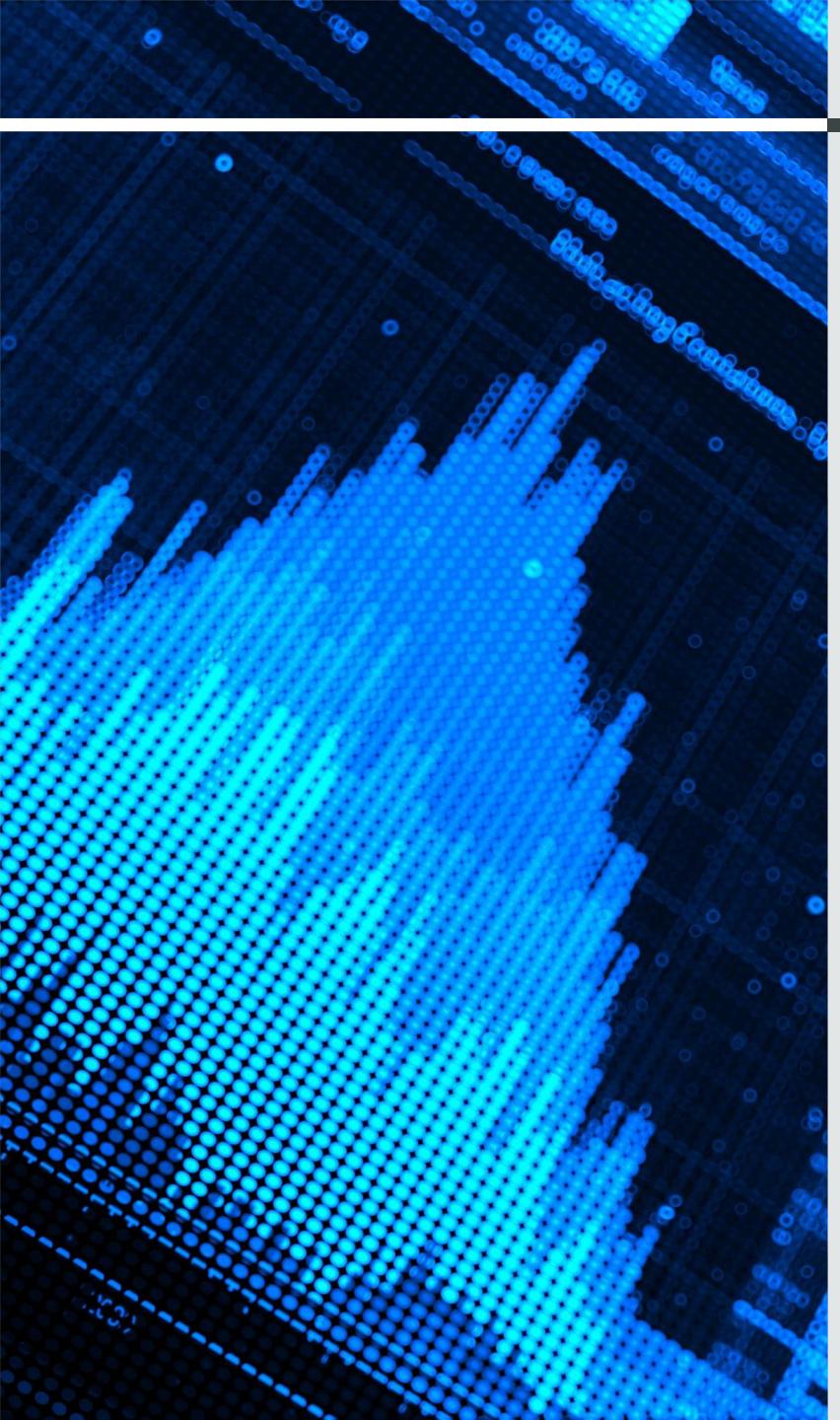
Real-time information sharing improves clinical decisions and reduces medical errors across care teams.

## Automation and Efficiency

Automation frees clinical time and lowers transcription errors, enhancing healthcare operational efficiency.

## Patient-Centered Services

Digital tools like online booking and results viewing improve patient accessibility and satisfaction.



# VISION FOR A DIGITALLY ENABLED NHS

## **Single Patient View**

Provides clinicians and patients access to comprehensive, up-to-date health information across all care settings, improving continuity and reducing duplication.

## **Data-Driven Pathways**

Uses integrated analytics to support clinical decisions, optimize resource use, and enable proactive healthcare interventions.

## **Digitally Confident Workforce**

Focuses on ongoing digital skills training and cultural change to empower healthcare staff in using digital tools effectively.

## **Robust Digital Infrastructure**

Supports seamless care delivery with interoperable electronic records, secure networks, and modern digital devices.

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# STRATEGIC CONTEXT – THE THREE SHIFTS



## Shift to Community Care

Focus on delivering healthcare closer to home using multidisciplinary teams and digital tools to reduce hospital admissions.

## Shift to Prevention

Emphasizes proactive data-driven strategies to identify risks and implement population health management effectively.

## Shift to Digital Systems

Requires modern infrastructure, interoperable records, and digitally confident staff to support care transformation.

## Clinical Leadership Role

Clinical leaders play a crucial role in implementing shifts and ensuring digital benefits for patients and staff.

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# CLINICAL LEADERSHIP AND TEAM STRUCTURES

# CLINICAL LEADERSHIP: BRIDGING CLINICAL AND DIGITAL WORLDS



## Aligning Digital Tools with Clinical Needs

Clinical leaders ensure digital innovations fit seamlessly with clinical workflows and patient care requirements.

## Championing Digital Literacy and Safety

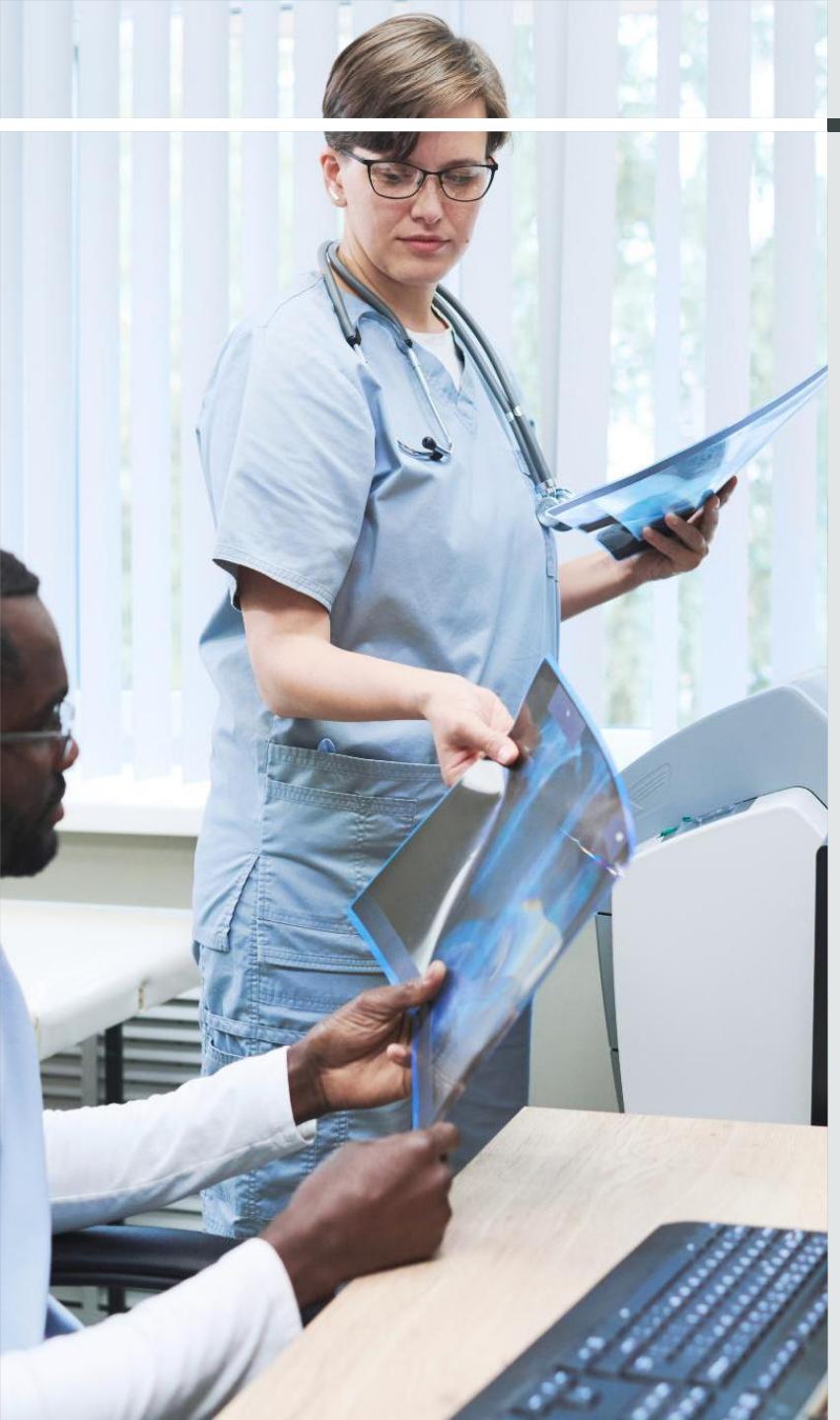
They promote digital literacy, safety standards, and continuous improvement among multidisciplinary healthcare teams.

## Fostering Collaboration and Culture Change

Clinical leaders foster collaboration among clinicians, IT, and operational leaders to embed a safety-first mindset.

## Training and Supporting Staff

They mentor and support staff to build confidence using digital tools, improving patient outcomes and resilience.



# DIGITAL CLINICAL INFORMATICS TEAMS: ROLES AND COLLABORATION

## Multidisciplinary Team Composition

Teams combine clinical, technical, data, and change management experts for digital health deployment.

## Core Responsibilities

Focus on workflow optimization, safety standards, requirements, testing, and ongoing improvements.

## Role of Allied Health Professionals

AHPs contribute expertise in patient pathways, rehabilitation, and community care within teams.

## Collaborative Impact

Cross-disciplinary collaboration ensures safe, usable digital solutions aligned with standards.

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# CLINICAL SAFETY STANDARDS AND PRACTICAL APPLICATION

# OVERVIEW OF DCB0129 AND DCB0160 CLINICAL SAFETY STANDARDS



## DCB0129 for Suppliers

DCB0129 requires suppliers to identify hazards, manage risks, and maintain a Clinical Risk Management File under a Clinical Safety Officer.



## DCB0160 for Healthcare Organizations

DCB0160 mandates governance, appointing an internal CSO and validating supplier safety evidence with ongoing risk monitoring.



## Framework Benefits

Both standards promote transparency, accountability, and continuous improvement to ensure patient safety and support innovation.

# DCB0129 VS DCB0160 – INFOGRAPHIC COMPARISON

<b>ASPECT</b>	<b>DCB0129 (SUPPLIER)</b>	<b>DCB0160 (ORGANISATION)</b>
<b>Responsibility</b>	Supplier/Manufacturer	Healthcare Organisation
<b>Key Requirements</b>	Hazard log, CRMF, Safety Case, CSO	Local CRMF, Validate 0129, Governance, Monitor
<b>Focus</b>	Product safety evidence	Deployment safety and local governance

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# AHP COMMUNITY REHAB PATHWAY AND NATIONAL PROGRAMMES

# AHP COMMUNITY REHAB PATHWAY: A PRACTICAL EXAMPLE

<b>STEP</b>	<b>DESCRIPTION</b>
<b>Referral triage</b>	Digital system identifies and prioritizes MSK patients
<b>PROMs/ROM</b>	Remote monitoring of progress and outcomes
<b>Virtual review</b>	Clinician reviews data and adjusts plan as needed
<b>Outcome tracking</b>	Structured data supports continuous improvement

# NATIONAL DIGITAL PROGRAMMES – NHS VISUAL OVERVIEW

PROGRAMME	DESCRIPTION
FDP	Federated Data Platform: connects local datasets for improved flow and coordination
SPR	Single Patient Record: unified record accessible across care settings
NHS App	Digital front door for appointments, prescriptions, and navigation
Interoperability	Standards-based integration for seamless data exchange

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# AI IN HEALTH & CARE AND AHP DIGITAL MATURITY ASSESSMENT CORE NATIONAL THEMES



# AI IN HEALTH & CARE: OPPORTUNITIES AND SAFETY CONSIDERATIONS

## AI Opportunities in Healthcare

AI enables automation, ambient documentation, and predictive analytics that improve healthcare delivery and clinical decision-making.

## Clinical Decision Support

True AI systems provide advanced clinical decision support and risk prediction to enhance patient outcomes.

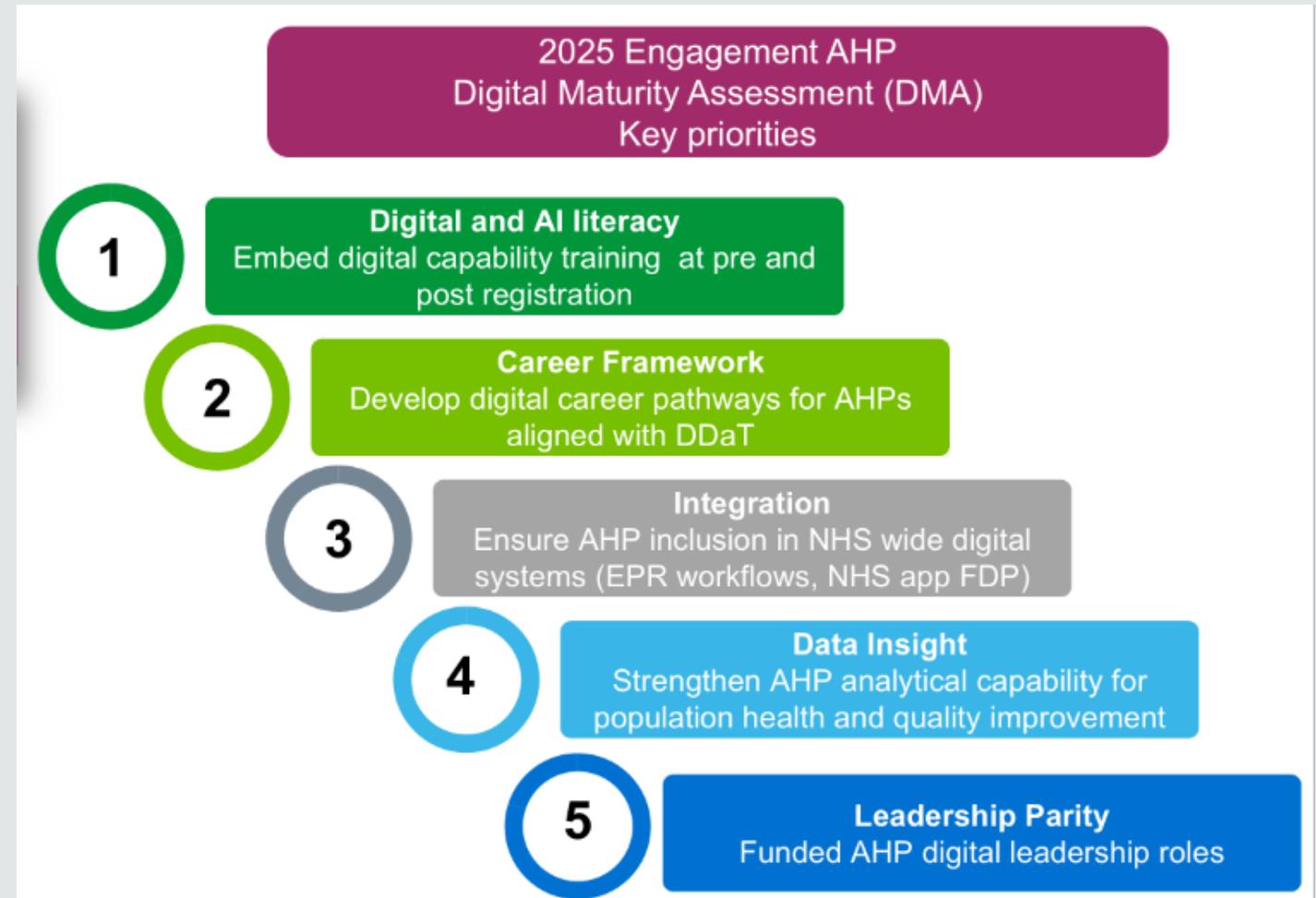
## Safety and Governance Challenges

AI adoption requires addressing algorithmic bias, data privacy, validation, and governance to protect patient safety.

## Ensuring Trust and Compliance

Clinical leaders must ensure AI aligns with workflows, safety standards, and transparent monitoring to maintain trust.

# AHP DMA: FIVE CORE NATIONAL THEMES



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# WORKFORCE CAPABILITY AND PROFESSIONALISATION

# BUILDING WORKFORCE DIGITAL CAPABILITY AND CONFIDENCE



## Digital Skills Assessment

Baseline digital skills assessments identify workforce strengths and gaps essential for targeted upskilling.

## Structured Upskilling Programs

Programs like FutureDotNow and ICDL Skills Builder provide training in digital competencies and cyber hygiene.

## Supportive Culture and Learning Time

Protected learning time and supportive culture ensure equitable training access and build confidence in digital tool use.

## Professionalisation and Leadership

Frameworks like FEDIP and DDaT define roles and career pathways, with clinical leaders championing workforce development.

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# SOFTWARE AS A MEDICAL DEVICE (SAMD) AND PROCUREMENT

# CLASSIFICATION OF SOFTWARE AS A MEDICAL DEVICE (SAMD)

CLASS	DESCRIPTION	EXAMPLES
Class I	Low risk	Wellness apps, calculators
Class IIa	Medium risk	Clinical decision support tools
Class IIb	Higher risk	Diagnostic algorithms
Class III	Highest risk	Therapeutic automation software



## KEY ORGANISATIONAL CONSIDERATIONS BEFORE BUYING A DIGITAL SOLUTION

### **Safety and Compliance Evaluation**

Assess if the digital solution qualifies as a medical device and verify regulatory compliance with necessary documentation.

### **Interoperability Standards**

Ensure the solution supports standards like FHIR and integrates smoothly with existing healthcare systems.

### **Data Protection and Governance**

Verify data security protocols and information governance to protect patient confidentiality and comply with regulations.

### **Usability and Cost Assessment**

Evaluate usability in clinical workflows and assess total cost including deployment, training, and support.

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# CONCLUSION AND KEY TAKEAWAYS

# KEY TAKEAWAYS AND CLOSING REMARKS



## Clinical Leadership Role

Clinical leaders drive safe, effective digital transformation, ensuring solutions add real value to patient care.

## Safety and Standards Compliance

Adhering to standards like DCB0129 and DCB0160 builds trust, transparency, and supports continuous improvement.

## Regulatory Understanding

Knowing classification and regulatory needs for Software as a Medical Device ensures safe procurement and deployment.

## Opportunities with AI and Governance

National programs and AI offer growth opportunities but require strong governance focused on patient safety.



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**For further discussions,  
contact**

**Prabha Vijayakumar**

[Prabha Vijayakumar](#) |  
[LinkedIn](#)