



# Clinical Leadership in Digital Health

Driving innovation and leadership in healthcare technology

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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.

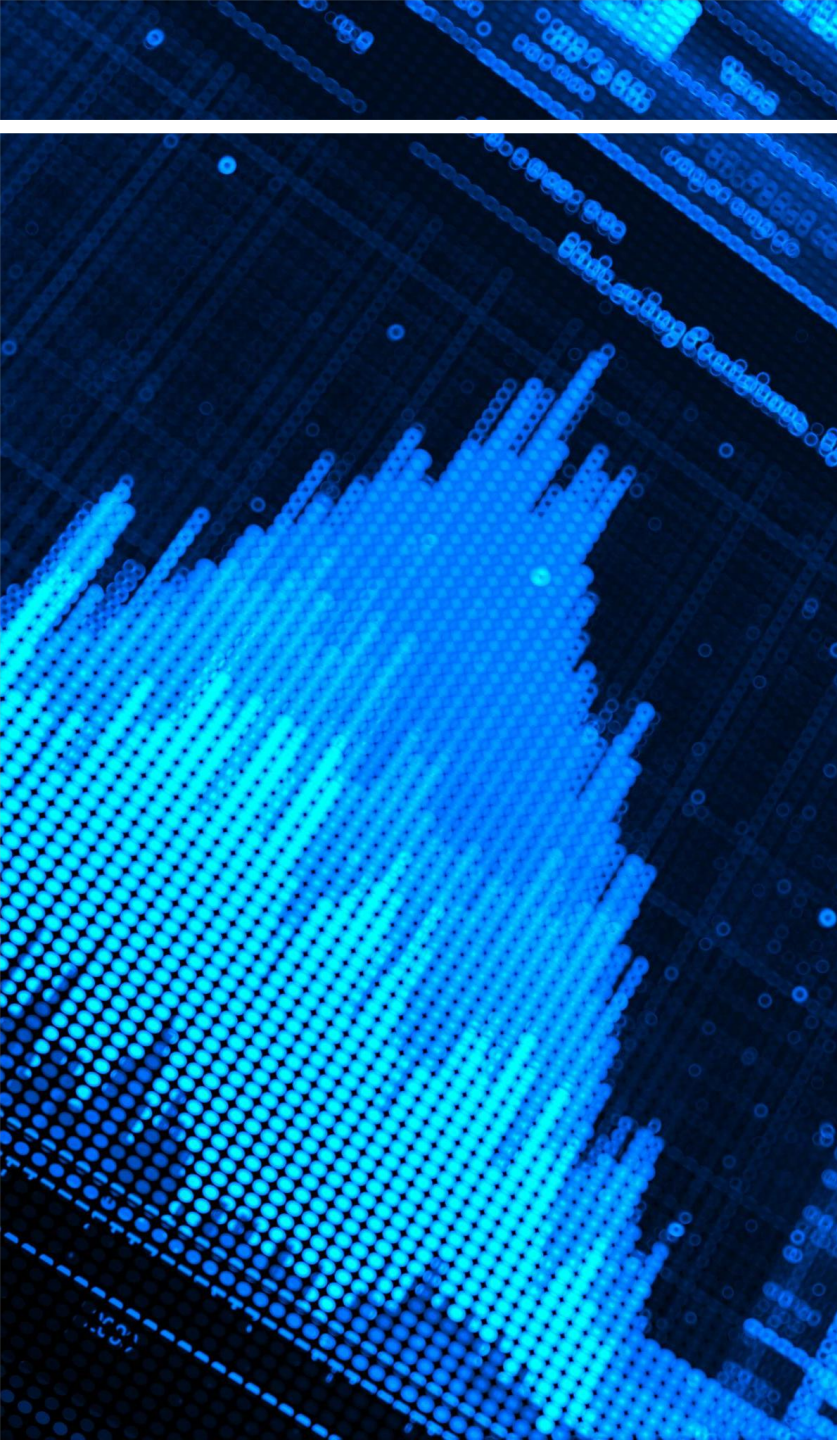
## **Automation and Efficiency**

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

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# 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

ASPECT	DCB0129 (SUPPLIER)	DCB0160 (ORGANISATION)
Responsibility	Supplier/Manufacturer	Healthcare Organisation
Key Requirements	Hazard log, CRMF, Safety Case, CSO	Local CRMF, Validate 0129, Governance, Monitor
Focus	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

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

# NATIONAL DIGITAL PROGRAMMES – NHS VISUAL OVERVIEW

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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.

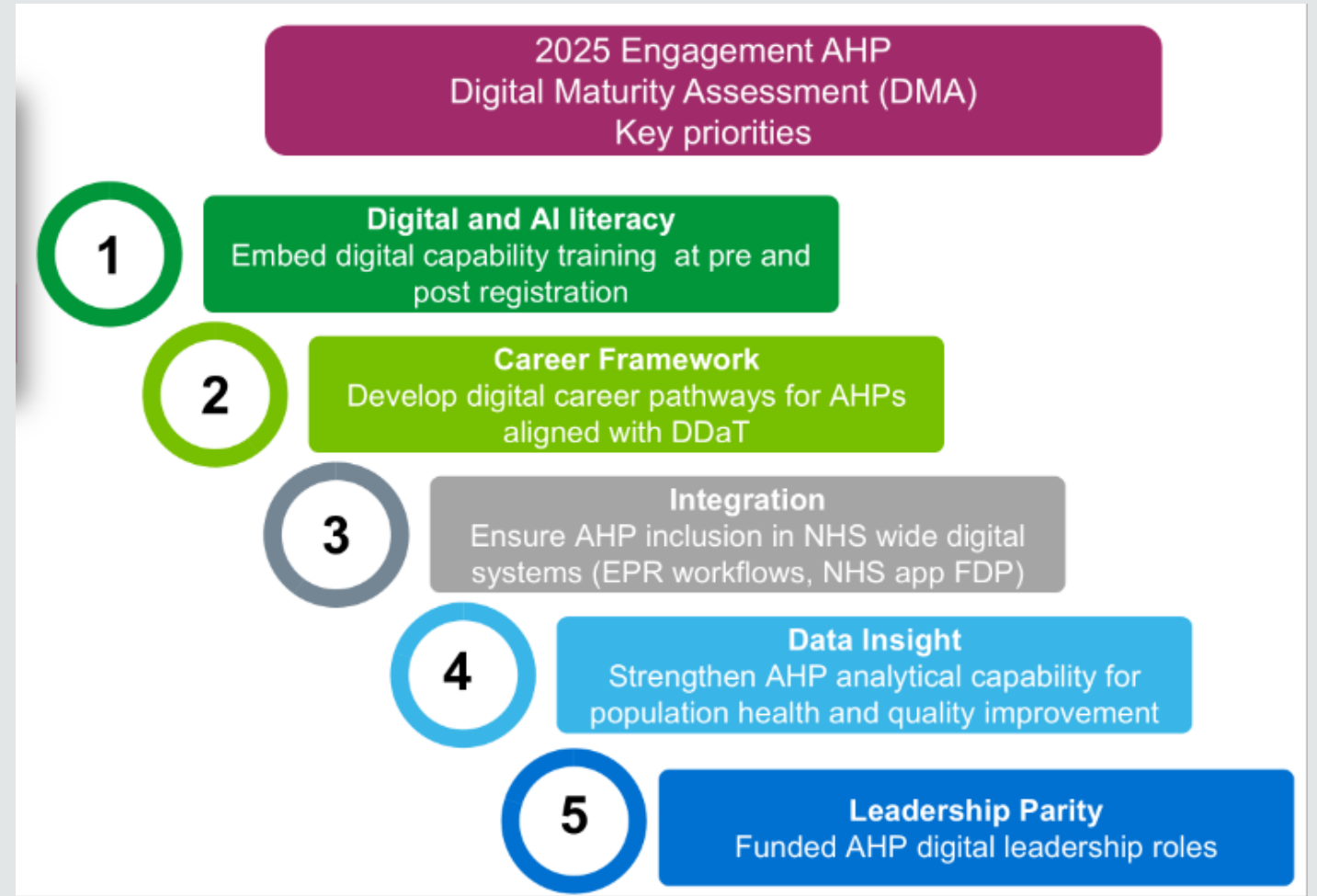
## **Safety and Governance Challenges**

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.

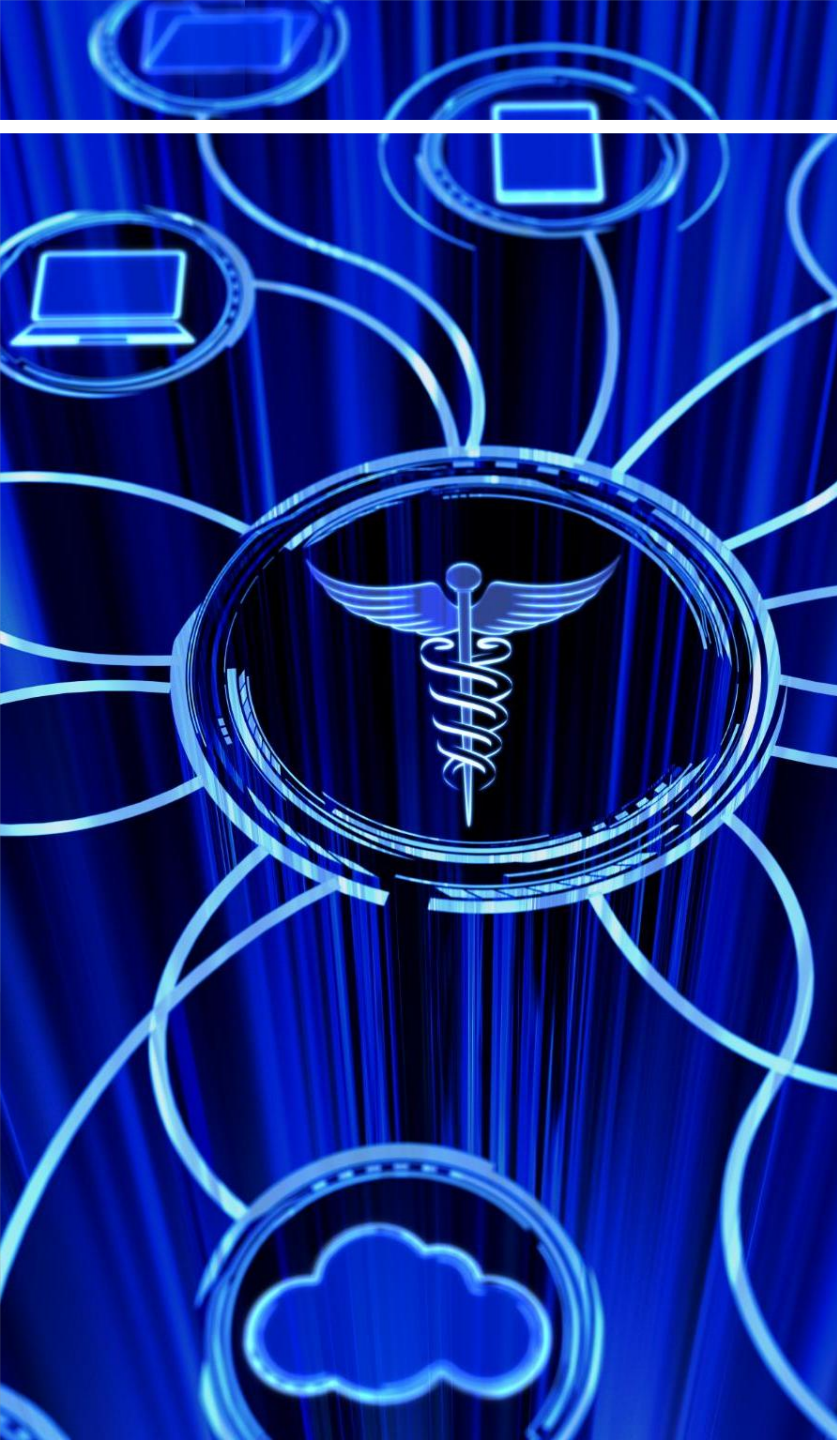


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# SOFTWARE AS A MEDICAL DEVICE (SAMD) AND PROCUREMENT

# 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,  
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