

Mindmap for Digital Health Careers



Foundational Concepts in Digital Health



Infrastructure & Systems

Data Analytics & Integration

Digital Leadership & Strategy

Clinical Digital Practice & Informatics

Education & Training

About This MindMap

This mindmap is a **practical guide** designed to help current and aspiring professionals understand the wide-ranging **career opportunities** in the evolving field of **digital health**. From technical infrastructure roles to clinical informatics and digital education, this guide offers a structured overview of the roles, functions, and pathways shaping the future of the NHS digital workforce.

Whether you're a clinician looking to expand your digital skills, a graduate entering the health technology space, or a senior leader planning workforce development, this guide provides **clarity** on how these roles connect and contribute to digitally enabled care.

INFRASTRUCTURE & SYSTEMS

The foundational technological systems, services, and environments that enable digital healthcare delivery.

This includes physical and virtual servers, cloud platforms, networks (WAN, LAN, Wi-Fi), data centres, connectivity solutions, cybersecurity frameworks, and supporting hardware/software that underpin patient care, data exchange, and operational systems across the health ecosystem.

Strategic/Executive

- Digital Strategy Director
- Deputy Director of Infrastructure Transformation
- Enterprise Architect

Programme/Departmental Leads

- IT Infrastructure Manager
- Network Manager
- Cloud Centre of Excellence Specialist
- Solutions Architect

Operational/Support

- Systems Developer
- ICT Test Analyst
- ICT Support Technician
- Service Desk Operator

These roles offer a snapshot of the sector and are not an exhaustive list of all available positions.

DATA ANALYTICS & INTEGRATION

This refers to the end-to-end process of collecting, transforming, linking, and analysing healthcare data to improve patient outcomes, streamline services, support clinical decisions, and enable system-wide planning.

Strategic/Executive

- Senior Information Risk Owner (SIRO)
- Caldicott Guardian
- Information Governance Lead
- Data Protection Officer (DPO)
- Chief Data Officer
- Head of Analytics / Head of Business Intelligence

Programme/Departmental Leads

- Data Integration Specialist
- Secure Data Environment (SDE) Specialist
- Senior Information Analyst
- Business Intelligence Analyst
- Data Scientist
- Data Quality Manager
- EHR/EPR Systems Specialist

Operational/Support

- Data Analyst
- Information Analyst
- Data Engineer
- Database Administrator

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DIGITAL LEADERSHIP & STRATEGY

The strategic direction, governance, and delivery of digital transformation in health and care systems.

It brings together executive-level digital leadership and the project and change professionals who implement transformation on the ground.

Strategic/Executive

- Chief Digital and Information Officer (CDIO)
- Chief Information Officer (CIO)
- Chief Data Officer (CDO)
- Deputy Director of Digital Delivery and Innovation

Clinical Digital Leadership

- Chief Clinical Information Officer (CCIO)
- Chief Nursing Information Officer (CNIO)

Programme & Departmental Leads

- Transformation Programme Manager
- Programme Manager
- Digital & Transformation Lead
- Digital Business Partner

Operational/Support

- Senior Project Manager
- Project Manager
- Business Analyst
- Benefits Realisation Manager
- Change Manager
- Project Support Officer / Project Administrator

These roles offer a snapshot of the sector and are not an exhaustive list of all available positions.

CLINICAL DIGITAL PRACTICE & INFORMATICS

Encompasses the full spectrum of activities supporting the deployment, management, and optimisation of clinical digital systems and devices within health and care settings.

Strategic/Executive

- Head of Digital Services
- ICT Operations Manager
- Systems Manager
- Clinical Informatics Lead
- Clinical Applications Manager

Programme/Departmental Leads

- Clinical Informatics Manager
- Pathology Links Manager
- End User Support Manager
- Application Support Manager
- Service Desk Manager

- Digital Midwife
- Digital Nurses
- Clinical Safety Officer
- Digital Medicines Management Nurse
- EPMA Nurse Facilitator / Implementation Lead

Operational/Support

- Digital Health Champion/Clinical Digital Champion
- Clinical Informatics Specialist
- PACS Administrator
- End User Compute Support Analyst
- End User Device Deployment Officer

- Service Desk Operator
- Systems Developer
- ICT Support Technician
- Clinical Safety Officer (CSO)

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EDUCATION & TRAINING

Ensures that staff are equipped with the knowledge, skills, and confidence to safely and effectively use digital systems in patient care and operational settings.

This includes developing digital literacy, onboarding users to systems like EPR/EPMA, and supporting cultural change towards digitally-enabled working.

Strategic/Executive

- Deputy Director of Workforce Development
- Digital Education and Reporting Manager

Programme/Departmental Leads

- Digital workforce manager
- Digital Training Manager / Learning Manager
- Clinical Systems Training Lead
- Clinical Systems Trainer / eLearning Developer

Operational/Support

- IT Trainer
- Digital Trainer/ educator
- eLearning Developer
- Digital Content Designer

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About the Author

My name is Ufuoma Okpeahior, **(Ufuoma O.)** and I'm a digital health project manager with extensive experience in leading healthcare and public sector transformation initiatives. My expertise spans transformation and change, health information systems (HIS), change management, agile project delivery, and more recently, artificial intelligence.

I am passionate about **simplifying** complex concepts in **Digital Health** in the UK.
I believe that digital transformation in healthcare should be inclusive, accessible, and easily understood by everyone, from frontline clinicians to executive leaders.

My work focuses on translating technical jargon into practical insights that empower professionals at all levels to confidently engage with digital systems. Whether it's demystifying data governance, mapping out digital career pathways, or leading strategic infrastructure change, I aim to bridge the gap between complexity and clarity.

I am actively involved in shaping national digital policy and digital health leadership through my work as an executive committee member for **United Kingdom Digital Health and Care (UKDHC)** and CIO Advisory Panel member for **Digital Health Networks**.