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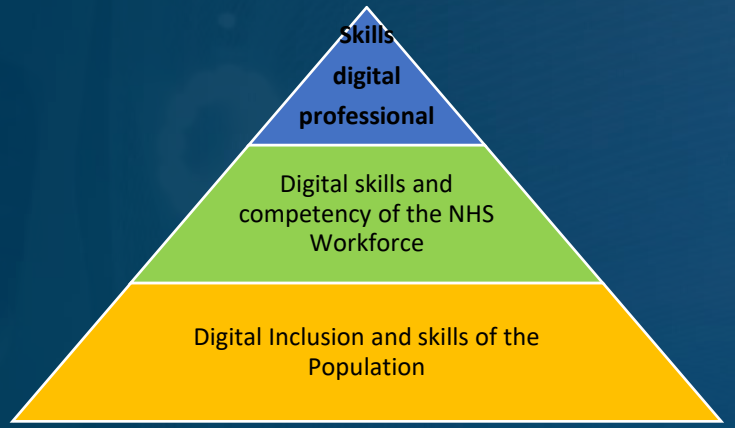

Health Informatics

a growing and transformative profession

Supporting and professionalising the workforce

that is spearheading the

Health & Care Digital Revolution

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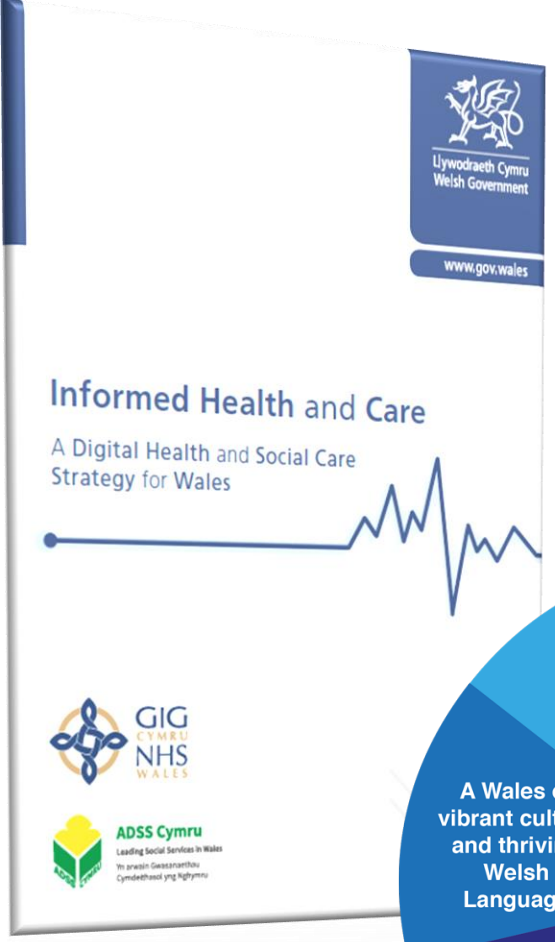
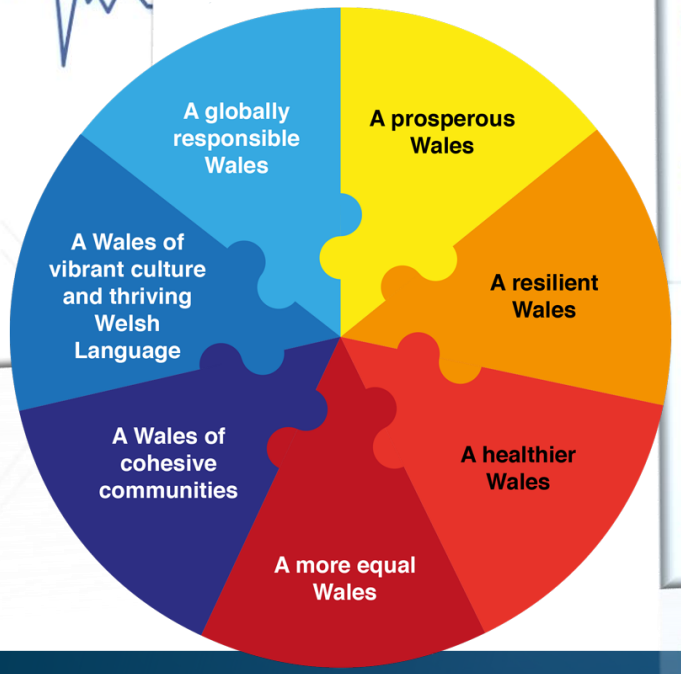
Health in Wales

- 3 million citizens
- 1 in 3 with a chronic condition
- 80,000 NHS staff
- 2,000 GPs
- 700 pharmacies
- 135 hospitals
- 7 fully integrated Health Boards
- 3 National Trusts (Cancer, Public Health, Ambulance)
- One Welsh Government

Policy Drivers





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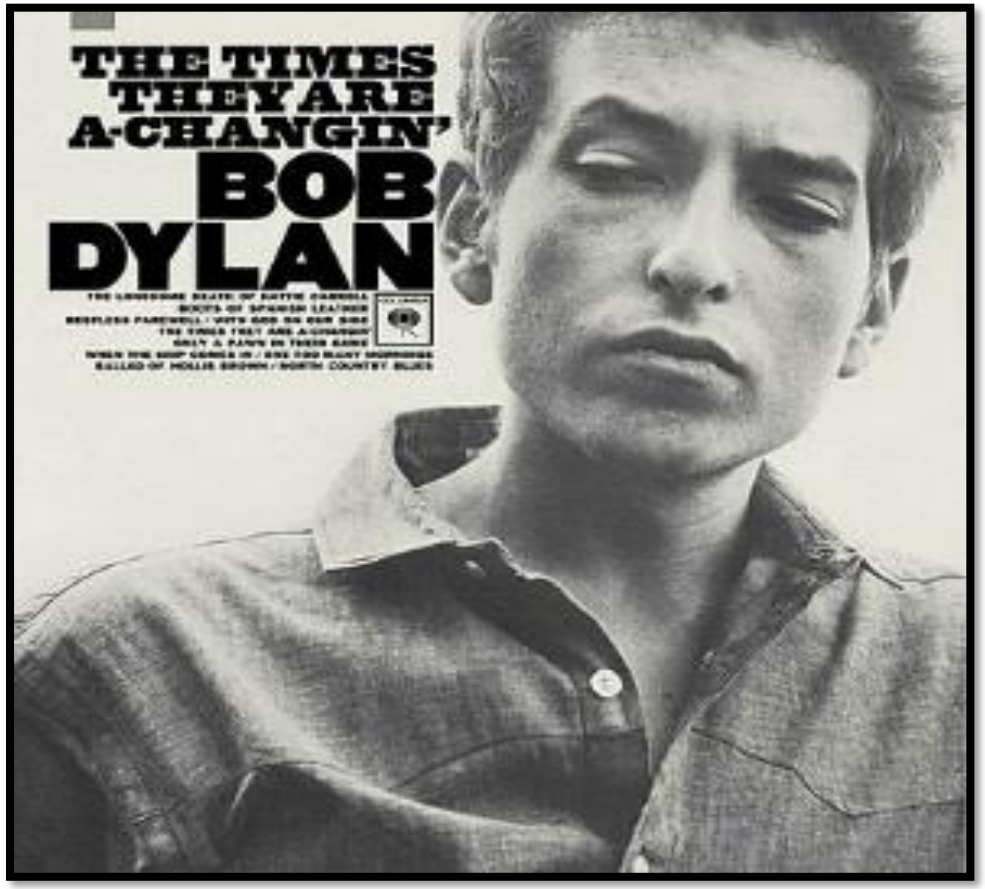

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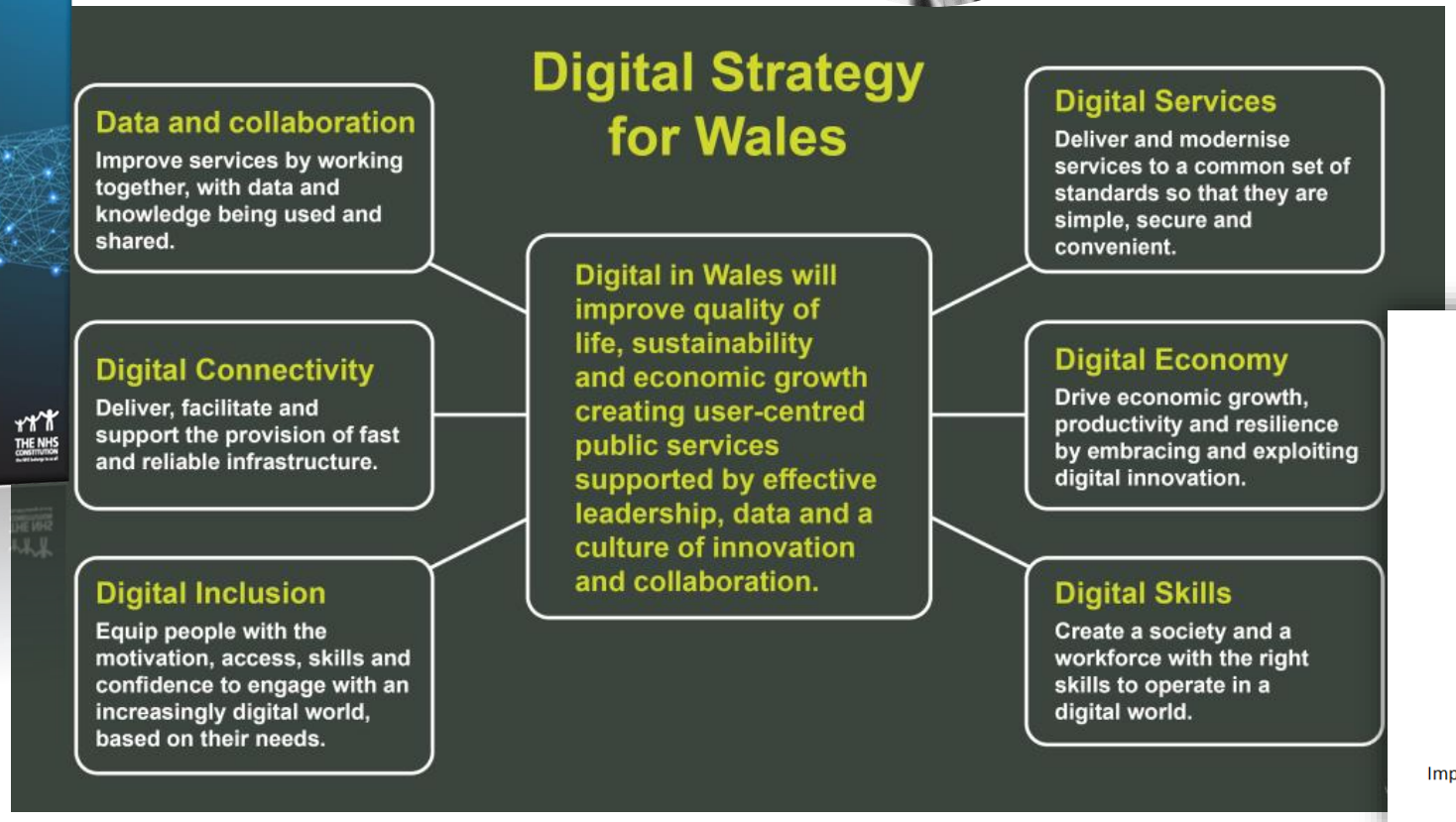
Health Informatics staff have moved from the lost tribe to the backbone & centre stage – must now be the TRUSTED PROFESSIONAL EXPERT

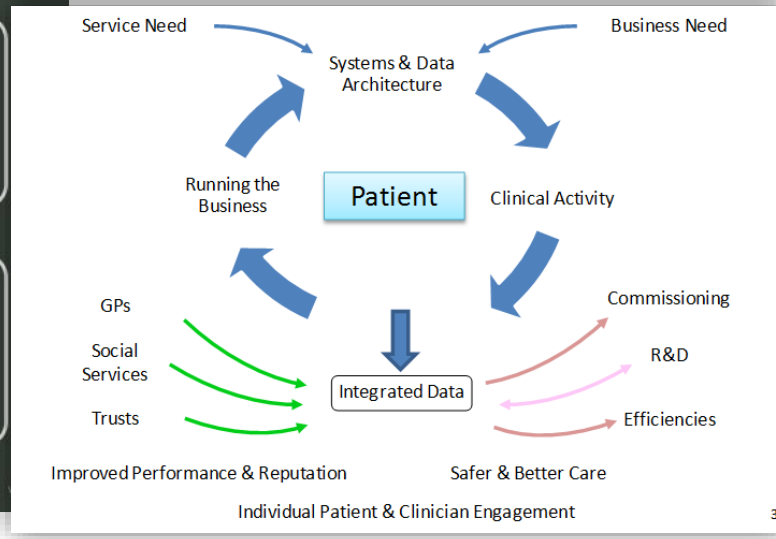
.....Within a complex environment

"Implementing health IT is one of the most complex adaptive changes in the history of healthcare, and perhaps of any industry." *Prof Bob Wachter*

"It's not just about computers. Let's just be clear about that at the start"

Lee Walters MS





Three-year-old heart patient Samuel Starr died after NHS system 'failure'

New hospital computer system failed to book Samuel a scan for 20 months after major cardiac operation, rules coroner

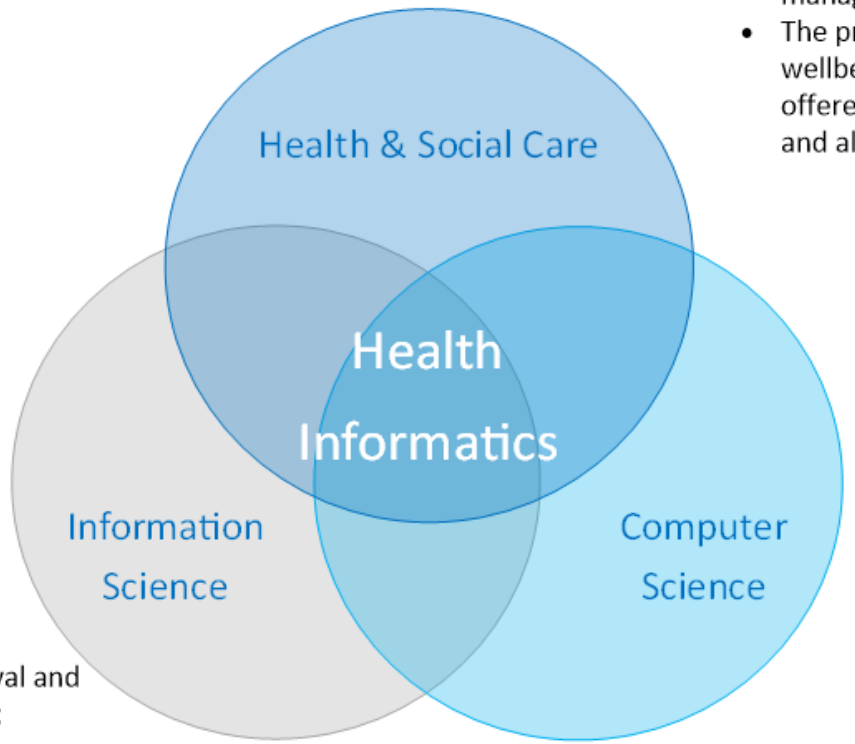
Samuel Starr died after the NHS failed to offer vital scans for his heart condition. Photograph: SWNS.com

Recent patient covid survey showed: ***A lack of trustworthy information and conflicting guidance emerged as a key concern and barrier to seeking appropriate medical help.*** **Hence the requirement for evidence-based research to assist the citizens of Wales to make those crucial decisions.**

Digital ways of working are becoming increasingly used in health and social care sectors that require staff to complete more transactions online to support safe patient/citizen care delivery.

Build on the acceleration of using digital to underpin service transformation

What is Health & Care Informatics?



- The prevention, treatment and management of illness;
- The promotion of health and wellbeing through the services offered by the medical, nursing and allied health professions.

- The collection, classification manipulation, storage, retrieval and dissemination of information;
- The application and use of knowledge in organisations;
- The interaction between people, organisations and information systems.

- The theoretical foundation of information and computation
- Together with their application in computer systems.

Health and care Informatics is fundamental:

To the safe delivery of patient care, and

For the maintenance of public trust in the secure handling of personal health and care information

What is Health and Care Informatics?

- Information & Communication Technology
- Information Management
- Knowledge Management
- Information Governance
- Clinical Informatics
- Health Records & Coding
- Education & Training
- Project & Programme Management
- Informatics Service Management

Common Misconceptions

Occupation - not profession
Nerds - not experts
Backroom - not boardroom
Boxes and wires - not service transformation
Screwdrivers - not stethoscopes
Problems - not solutions
IT - informatics

University of South Wales Prifysgol De Cymru

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ATHROFA GWYBODAETH DDIGIDOL CYMRU
WALES INSTITUTE OF DIGITAL INFORMATION

“accelerating the use of digital technology to improve the healthcare of Wales by putting the person at its core”

Professionalisation, Skills and Academic Development

Digital Health & Care Wales

Delivering digital services for modern patient care in Wales by working in partnership with other NHS Wales organisations. We aim to deliver the ‘once for Wales’ approach where records are created, held and accessed electronically. We also analyse data, putting vital information in the hands of the people who use it and supply over 70 operational IT services, including the technology infrastructure.

Thousands of NHS Wales staff use DHCW technology services every day to care for Welsh patients, This means doctors, nurses and health staff have each patient’s information to hand where and when its needed, whether the patient is being seen at the GP practice, an outpatient appointment or for emergency or elective care.

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Professionalism for better health and care

The Federation for Informatics Professions, FEDIP, is the only public register for all informatics professionals in the UK dedicated to delivering better health and care through the advanced use of technology.

Now, more than ever, we need to have our NHS colleagues working in digital being recognised for the life-changing work they do to support front-line staff.

By evidencing and validating your skill and knowledge, we can begin to shape the face of digital transformation in health and care, increase the public's awareness of informatics and create a better healthcare system for you, your family and for society.

FEDERATION for INFORMATICS PROFESSIONALS

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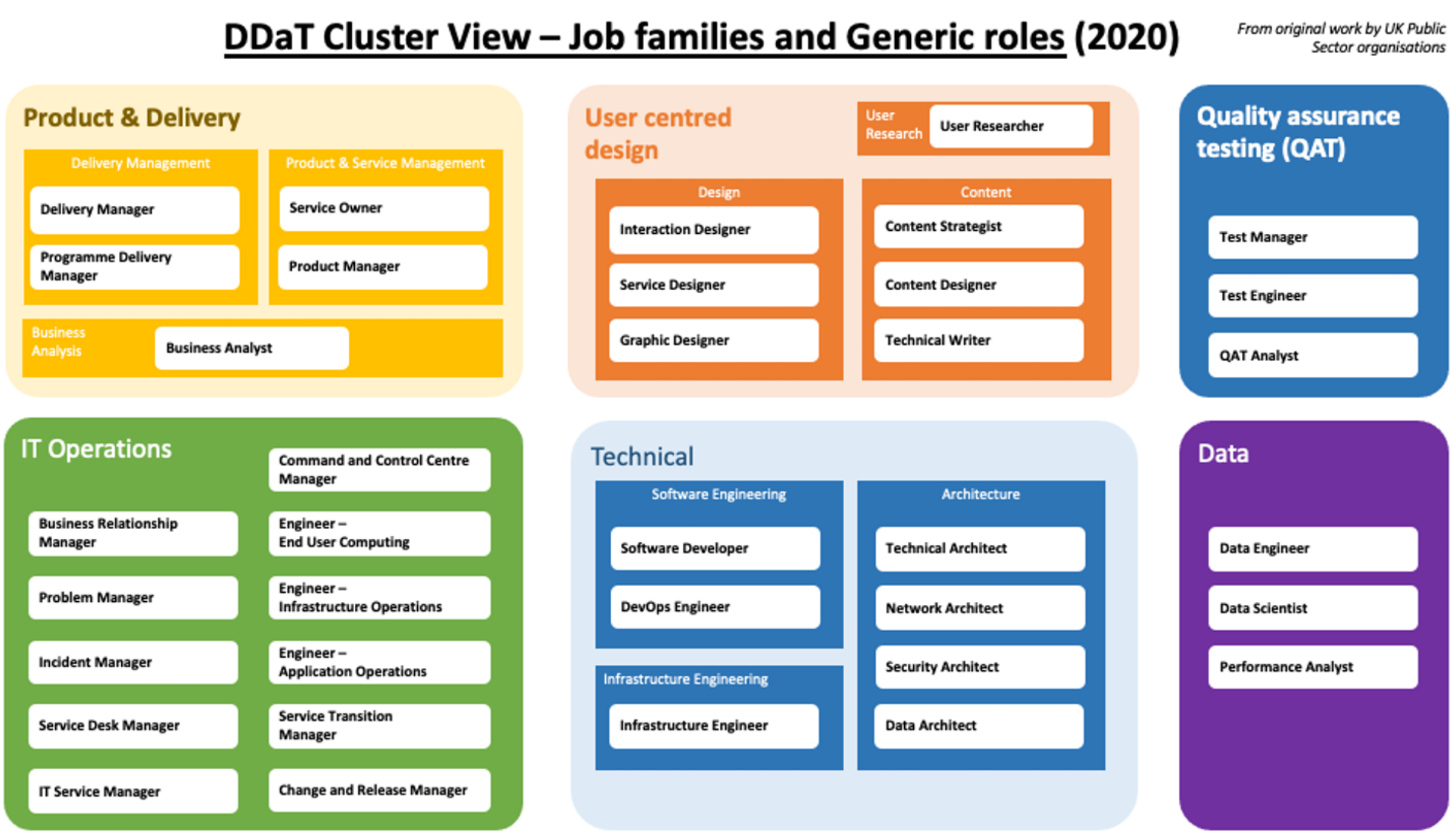
Health Informatics	Level 2
Health Informatics	Level 3
Health Informatics	Level 4
Applied Software Engineering	Level 4 - Level 6 Digital Degree Apprenticeship
Applied Data Science	Level 4 - Level 6 Digital Degree Apprenticeship
Applied Cloud Development	Level 4 - Level 6 Digital Degree Apprenticeship
Applied Cloud Computing	Level 4 - Level 6 Digital Degree Apprenticeship
Applied Cyber Security	Level 4 - Level 6 Digital Degree Apprenticeship
Digital & Technology Solutions	Level 4 - Level 6 Digital Degree Apprenticeship
Digital & Technology Solutions (Cyber Security)	Level 4 - Level 6 Digital Degree Apprenticeship
MSc - Digital Skills Framework	Level 7
Masters of Research	Level 7
Masters of Research	Level 7
PhD	Level 8

Digital, Data and Technology Profession Capability Framework

Digital, data and technology (DDaT) roles in government and the skills needed to do them.



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Professionalism is not a label you give yourself it's a description you hope others will apply to you
David Maister

Thank You
Diolch yn fawr

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