

Derby and Derbyshire ICB Update

Digital and Data strategy



Jim Austin
Chief Digital Information Officer,
Derby and Derbyshire ICB
June 2023



The Derbyshire
VCSE sector
Alliance

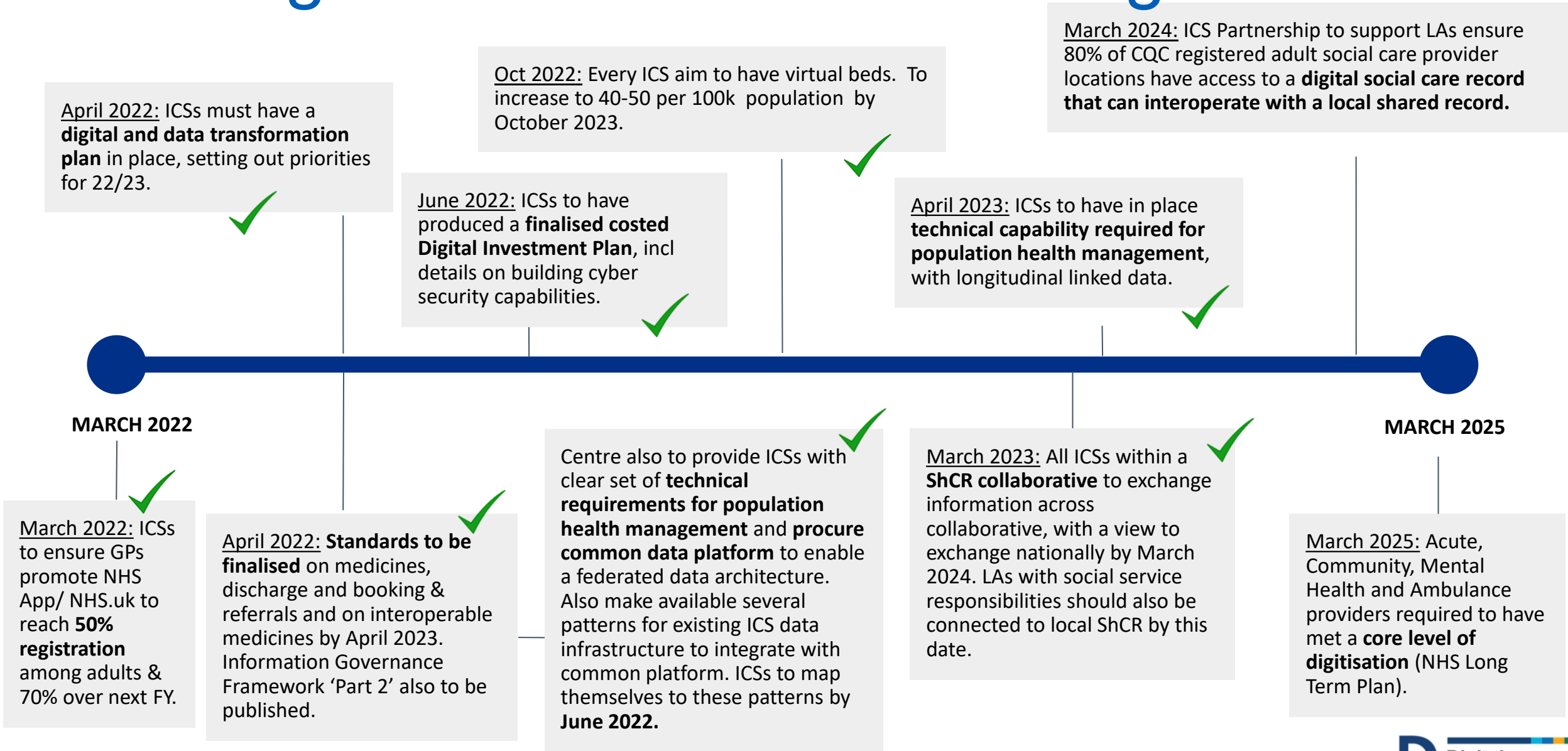


Derby City Council



DERBYSHIRE
County Council

Planning Guidance 22/23: The Digital Asks...



Joined Up Care Derbyshire



Principles

We will place the citizen / user needs and experience at the heart of any services we implement or transformation programmes we embark on

We will adopt a "Digital By Default - Digitally Included" position for our programmes

Data driven operational, tactical and strategic decision making that is: person-centred, reasonable and transparent

We will ensure the **safety and security** of our digital / data services by ensuring all capabilities comply with current regulatory, legislative and industry standards.

We will ensure our technologies adopt open standards and are interoperable across our system and the wider health and care system

Support our citizens and staff in the adoption of technology and exploitation of data for decision-making whilst transforming service delivery

We will seek to reduce duplication, inefficient processes through the introduction of automation and machine learning

Digital and Data Strategy....refresh

- JUCD Digital and Data Strategy published November 2021
- Provide assurance the strategy remained in line with National and local direction
 - What Good Looks Like
 - Digital Maturity Assessment criteria
 - JUCD Integrated Care Strategy
- Key themes and delivery priorities were updated in 2022 with engagement from LA's, Voluntary Sector, Citizens and NHS providers
- Priorities have been aligned to the quadruple aims maintaining consistency with the original strategy



What good looks like (WGLL)

- National standards that create a common vision for good digital practice across health and care
- Empower frontline leaders, so a CEO can see whether their organisation is doing everything it should be doing
- Create a framework digital maturity
- Generate local & national insights
- Understand and be able to customise the right support offer
- Create a vibrant community for sharing good practice to accelerate digital transformation across health and care



Digital Maturity Assessment (DMA)

- DMA assessment measures how well secondary care providers are making use of **digital technology to achieve a health and care system** that is paper-free at the point of care. Primary Care DMA will be completed during 2023.
- DMA should help individual organisations identify **key strengths and gaps in provision of digital services**
- **Provider** DMA submission was peer reviewed (28.4.23). **ICB peer reviewed** (16.5.23). Anticipated that reviews will be published in Summer 2023.
- Key findings:
 - Governance and system maturity (Well Led) is strong
 - Empower Citizens and Healthy populations are areas that require significant focus
 - Ensure Smart Foundations scored highly except EPR at CRH & UHDB (priority investment)
 - Reporting capabilities within smart foundations is an area for development
 - Support People - Real time workforce planning and asset management tracking are immature



D3B Key programme delivery in 2023 Quadruple aim alignment

Improving the health of the population

Improving the experience of care

Improving staff experience

Reducing the per capita cost of healthcare

Electronic Patient Record @ acutes

Data access and business intelligence function

Derbyshire Shared Care Record across all partners and cross ICB border

+++ Delivery Plan for Recovering Access to Primary Care.

Project Derbyshire: Electronic Staff Record

Digitising in Social Care (including falls technology)

Care Co-ordination Solution

+++ Bed management System /Control Centre

Technically enabled care – virtual wards

+++Patient Experience Portal (book appoints)

Digital and technical infrastructure review

Technical design: support, delivery and assurance

Digital Inclusion

Patient Digital Front Door – NHS App – spread and adopt

Digital Maturity Assessment – outputs and levelling up

Key

In flight

New demand

Yet to start

Supporting Information

Priority Deliverables	Activity bundle
Electronic Patient Record	<ul style="list-style-type: none"> • ePR procurement process, tender evaluation award • Full business case development and approval • Commence implementation
Data access and business intelligence function	<ul style="list-style-type: none"> • Population Health Management - Axym • Implementation of Optica in acute settings, community deployment • Develop and agree approach to strategic and operational analytics • Facilitate ICS Integrated Care Diagnostic (Newton)
Derbyshire Shared Care Record (DSCR)	<ul style="list-style-type: none"> • Continued implementation of DSCR • Refresh roadmap and delivery priorities • Benefits realisation
Electronic Staff Record (ESR)	<ul style="list-style-type: none"> • Project Derbyshire project plan digital deliverables • Digital People systems contract review and consolidation • Support current ESR usage stocktake and recommendations for optimisation
Digitising in Social Care (DiSC)	<ul style="list-style-type: none"> • Year 2 digital social care record adoption and implementation • Testing and deployment of technology to support falls management • Interoperability plan developed
Care Co-ordination Solution	<ul style="list-style-type: none"> • Support the exploration and implementation of solutions to realise elective recovery

Priority Deliverables	Activity bundle
Technically enabled care - Virtual Wards, Team Up and Place development	<ul style="list-style-type: none"> • Support the development and implementation of virtual wards
Digital and technical support infrastructure review - contract review	<ul style="list-style-type: none"> • Review of ICS (excluding local authority) digital and technology system contracts • Creation of a database to support on-going review, management and recommendations for retirement/consolidation and efficiencies
Technical design: support, delivery & assurance	<ul style="list-style-type: none"> • Technical Design Authority programme of work to support system 'business as usual', service delivery and assurance - Cyber Security strategy, Seamless Access , advice and guidance
Digital Maturity Assessment (DMA)	<ul style="list-style-type: none"> • DMA assessment and peer review outcome levelling up delivery plan to be confirmed
Digital Inclusion	<ul style="list-style-type: none"> • Development of guidance/best practice approach to digital inclusion in service change processes • Maximise opportunities of support and delivery from the voluntary services sector • Development of approaches to citizen and staff digital literacy training/awareness
Patient Digital Front door - NHS App	<ul style="list-style-type: none"> • Alignment of patient services, advice and guidance access via NHS App

Digital Maturity Assessment – Insights Hub



Help enhance our dashboard! Share feedback – click here

Capabilities Assessment, 1-5 scale

Data displayed here is verified from the 2023 DMA Core Survey for ICS. Updated June 2023.

NHS DERBY AND DERBYSHIRE ICS SCORE

2.4

NHS OVERALL SCORE

2.4

Scores displayed are based on the average of the filter selection

RESET FILTERS

Regions

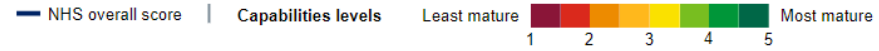
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- MIDLANDS

ICS

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- CAMBRIDGESHIRE AND PETER...
- HERTFORDSHIRE AND WEST E...
- MID AND SOUTH ESSEX ICS
- NHS BATH AND NORTH EAST S...
- NHS BIRMINGHAM AND SOLIH...
- NHS BLACK COUNTRY ICS
- NHS BRISTOL, NORTH SOMER...
- NHS BUCKINGHAMSHIRE, OXF...
- NHS CHESHIRE AND MERSEYS...
- NHS CORNWALL AND THE ISLE...
- NHS COVENTRY AND WARWIC...
- NHS DERBY AND DERBYSHIRE ...
- NHS DEVON ICS
- NHS DORSET ICS
- NHS FRIMLEY ICS
- NHS GLOUCESTERSHIRE ICS
- NHS GREATER MANCHESTER I...



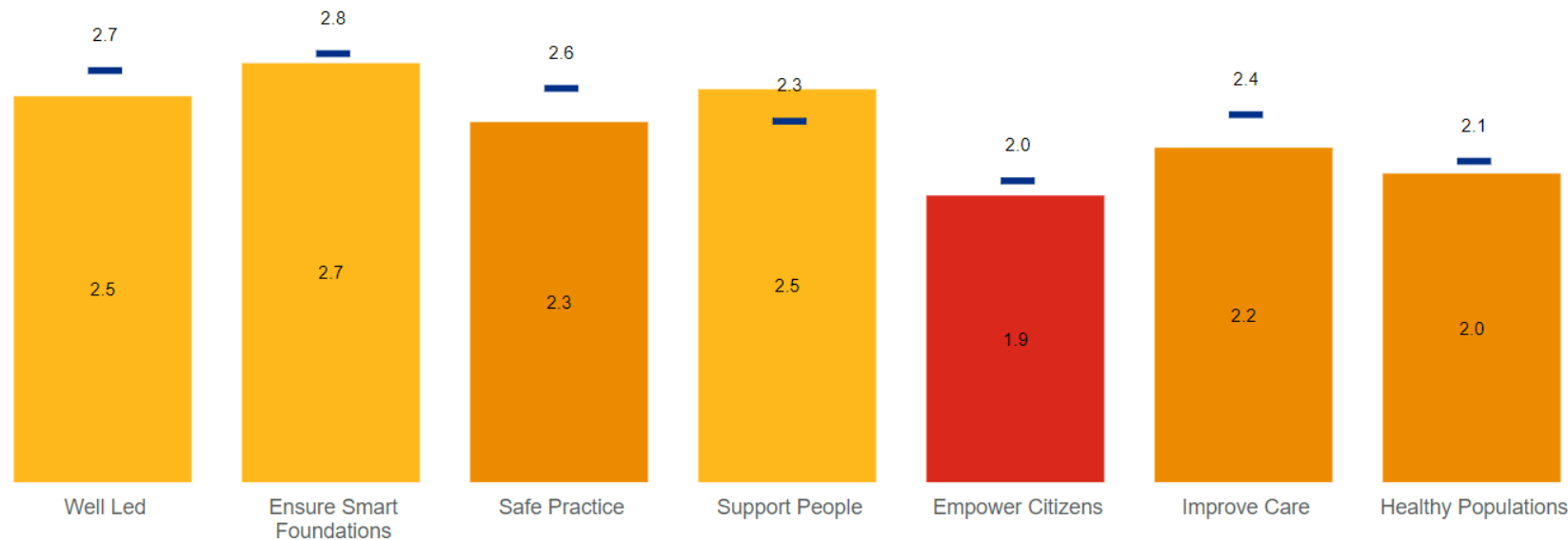
CAPABILITY VIEW

QUESTION VIEW

MULTIPLE ICS COMPARISON



Summary of all JUCD provider submission against the WGLL pillars



Help enhance our dashboard! Share feedback – click here

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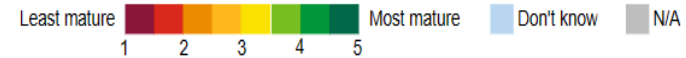
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Drill down for WGLL pillar assessment questions

Capabilities levels



QUESTION VIEW

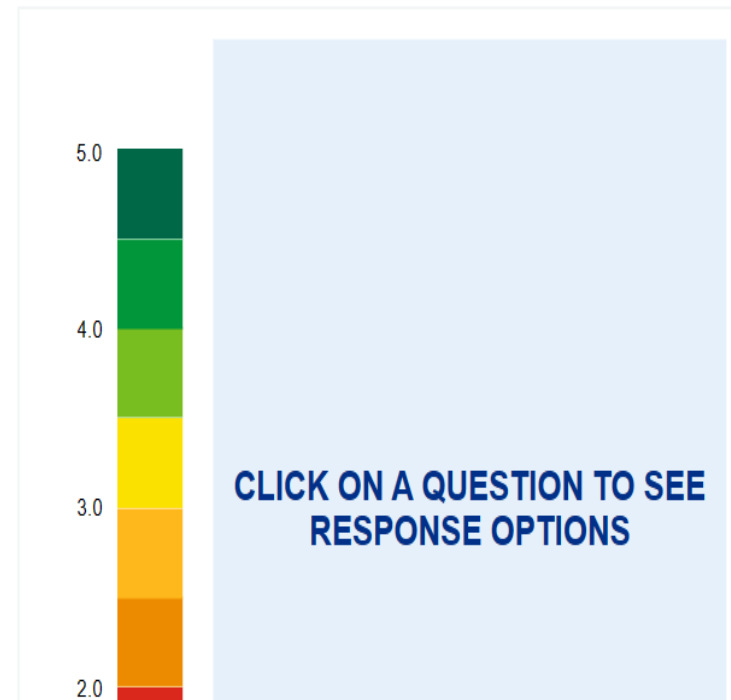
MULTIPLE ICS COMPARISON



Pillar and underlying questions

	Score
<input type="checkbox"/> Well Led	2.5
How mature is your digital leadership and strategy?	2.0
How mature are your digital governance processes?	3.0
<input type="checkbox"/> Ensure Smart Foundations	2.7
How mature is your sustainability agenda?	2.0
How mature is your Patient Administration System (PAS)?	3.0
How mature are your Electronic Patient Records (EPR)?	2.0
How mature is your e-referral capability?	3.0
How mature are your pathology capabilities?	3.0
How mature is your test management?	3.0
How mature are your imaging capabilities?	3.0
How mature is your medicines management?	2.0
How mature are your specialist systems?	2.0
How mature are your hardware devices?	3.0
How mature is your Networking (Wi-Fi/Location services)?	3.0

Response options



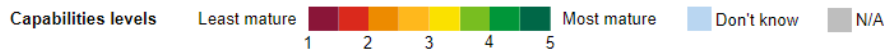


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To compare with ICS self-score, please filter to a single ICS and select a question below

Capabilities Assessment, 1-5 scale

Data displayed here is verified from the 2023 DMA Core Survey for Providers. Updated June 2023.



JUCD provider response comparison



CAPABILITY VIEW QUESTION VIEW PROVIDER-ICS-REGION DEEP DIVE **MULTIPLE PROVIDER COMPARISON**

Region	MIDLANDS				
ICS	NHS DERBY AND DERBYSHIRE ICS				
Provider	CHESTERFIELD ROYAL HOSPITAL NHS FOUNDATION TRUST	DERBYSHIRE COMMUNITY HEALTH SERVICES NHS FOUNDATION TRUST	DERBYSHIRE HEALTHCARE NHS FOUNDATION TRUST	EAST MIDLANDS AMBULANCE SERVICE NHS TRUST	UNIVERSITY HOSPITALS OF DERBY AND BURTON NHS FOUNDATION TRUST
Pillar	Acute	Community	Mental Health and Learning Disability	Ambulance	Acute
Well Led	4.0	3.5	3.5	3.0	3.0
How mature is your digital leadership and strategy?	3.0	3.0	3.0	3.0	3.0
How mature are your digital governance processes?	5.0	4.0	4.0	3.0	3.0
Ensure Smart Foundations	3.4	3.5	3.8	3.3	3.3
How mature is your sustainability agenda?	4.0	3.0	4.0	2.0	3.0
How mature is your Patient Administration System (PAS)?	4.0	4.0	5.0	4.0	3.0
How mature are your Electronic Patient Records (EPR)?	1.0	5.0	4.0	4.0	3.0
How mature is your e-referral capability?	4.0	3.0	4.0	2.0	3.0
How mature are your pathology capabilities?	4.0		3.0	3.0	4.0
How mature is your test management?	3.0	2.0	3.0		4.0
How mature are your imaging capabilities?	3.0		1.0		4.0
How mature is your medicines management?	2.0	4.0	4.0		2.0
Total	2.7	2.8	3.1	2.8	2.7

Scroll left/right to see other providers

Scores displayed are based on the average of the filter selection

RESET FILTERS

Regions

Search

Select all

MIDLANDS

ICS and Providers

Search

- NHS BIRMINGHAM AND SOL...
- NHS BLACK COUNTRY ICS
- NHS COVENTRY AND WAR...
- NHS DERBY AND DERBYSHI...
- NHS HEREFORDSHIRE AND...
- NHS LEICESTER, LEICESTE...
- NHS LINCOLNSHIRE ICS
- NHS NORTHAMPTONSHIRE ...
- NHS NOTTINGHAM AND NO...
- NHS SHROPSHIRE, TELFOR...
- NHS STAFFORDSHIRE AND ...

Provider Service Type

Select all

Acute

Ambulance

Community

Mental Health and Learning Disab...

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BY REGION AND ICS

BY ICS



Region	Well Led	Ensure Smart Foundations	Safe Practice	Support People	Empower Citizens	Improve Care	Healthy Populations	Overall
MIDLANDS	2.3	2.5	2.3	2.0	1.6	2.0	1.9	2.1
NHS LEICESTER, LEICESTERSHIRE AND RUTLAND ICS	2.0	3.0	2.7	2.5	1.6	2.5	2.3	2.5
NHS DERBY AND DERBYSHIRE ICS	2.5	2.7	2.3	2.5	1.9	2.2	2.0	2.4
NHS LINCOLNSHIRE ICS	2.0	2.9	2.3	2.0	1.6	2.3	2.2	2.3
NHS NOTTINGHAM AND NOTTINGHAMSHIRE ICS	2.0	2.5	2.0	1.6	1.6	2.2	2.0	2.0
NHS STAFFORDSHIRE AND STOKE-ON-TRENT ICS	2.5	2.3	2.3	2.0	1.7	1.7	1.5	2.0
NHS NORTHAMPTONSHIRE ICS	2.5	1.9	2.0	1.5	1.1	1.2	1.2	1.5
Total	2.3	2.5	2.3	2.0	1.6	2.0	1.9	2.1

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RESET FILTERS

Regions

Search

Select all

MIDLANDS

ICS

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Select all

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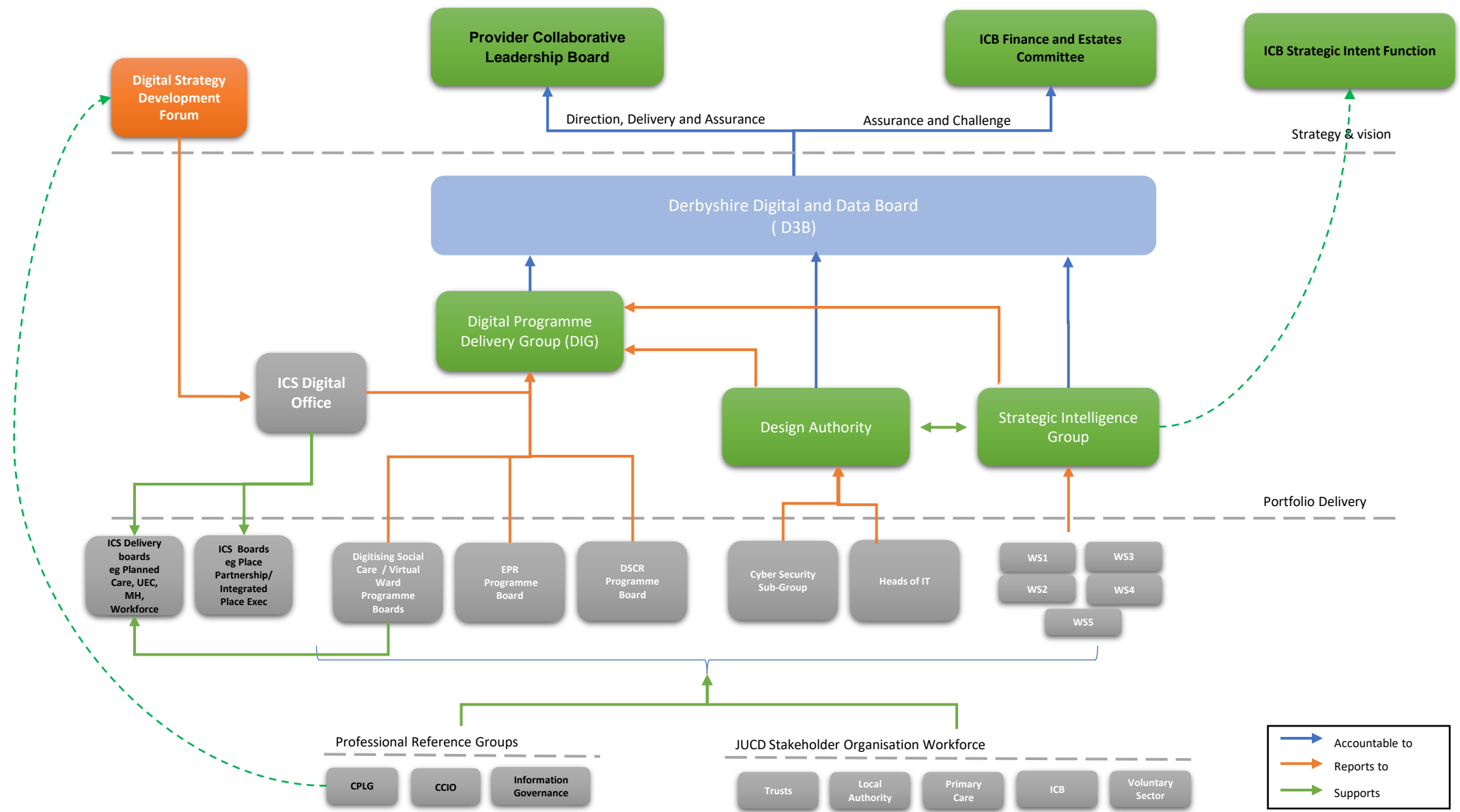
WGLL assessment Midlands ICS comparison

Digital Maturity Assessment (DMA)

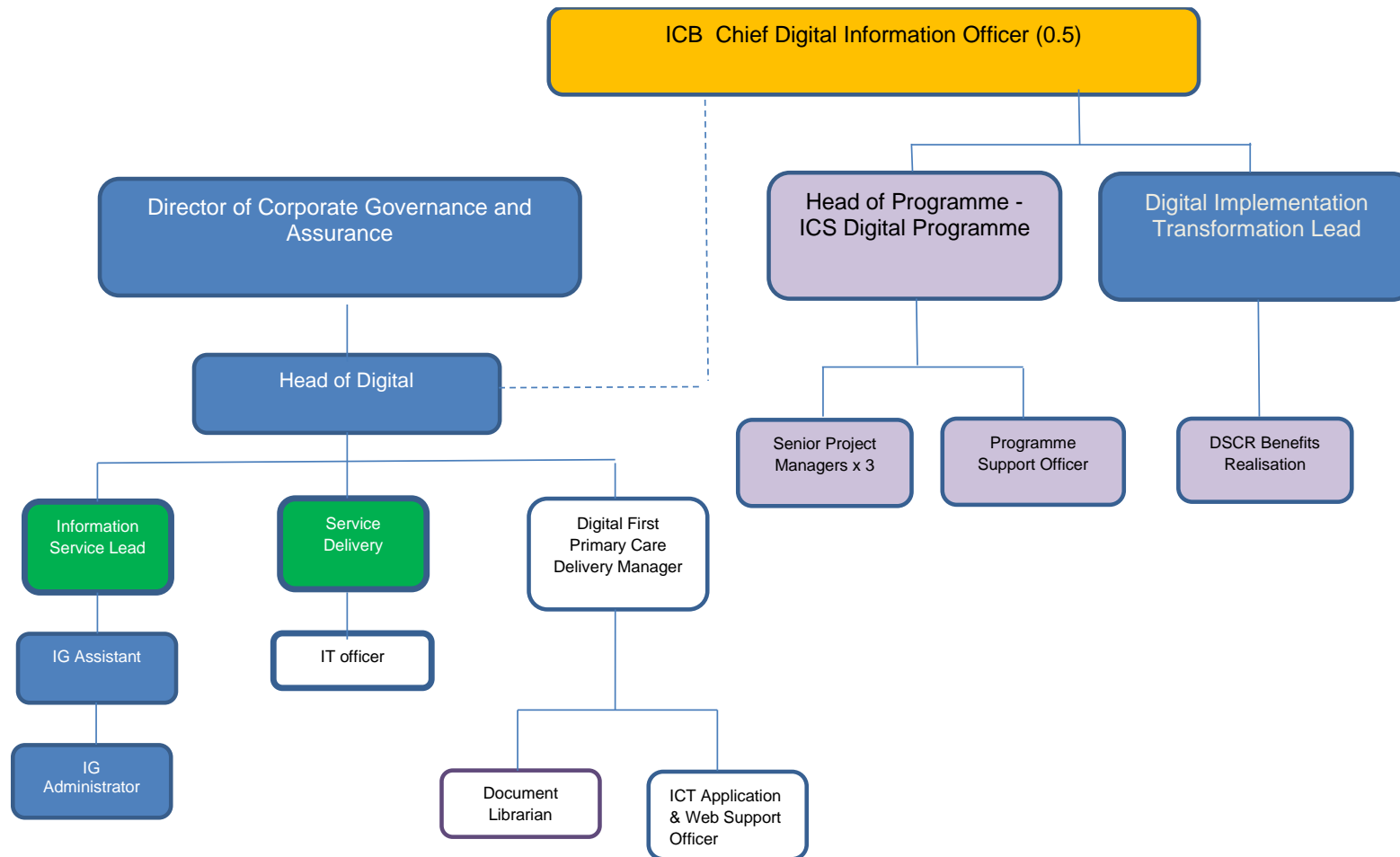
Next Steps:

- In depth review of the DMA Insights Hub to secure a more comprehensive understanding
- Provider organisations to review and consider outcome against their individual digital strategies/plans
- Review the overall provider assessment outcome against the Digital and Data strategy to ensure appropriate positioning of priorities
- Develop a set of recommendations, including resources required, to progress the level of digital maturity across the ICS

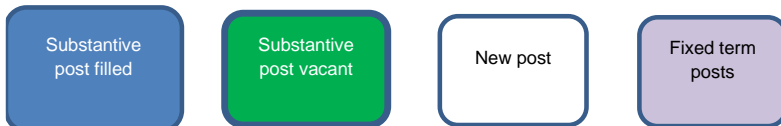
Joined Up Care Derbyshire Digital and Data programme governance structure.



Joined Up Care Derbyshire ICB digital team structure and Digital and Data Strategy



KEY



Joined Up Care Derbyshire
Digital and Data Strategy



Secondary Care Frontline Digitisation 2023

1 Smart system control (Ming Tang)

Rollout and optimisation of ICS level dashboards to support capacity management and care planning.

Supported Kent and Medway ICB in real-time operational management of ambulance handover delays and discharge

50% of ICSs have Smart System Controls covering 48% of acute trusts.

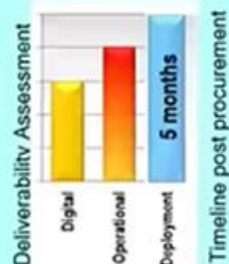


2 EBed & Capacity Management systems (Miles Scott)

Electronic Bed & Capacity Management System (EBCMS) roll out across acute trusts for live real-time data on bed status and patient flow.

Maidstone & Tunbridge Wells saw 45% reduction in patient transfer time. Gained 2,258 hours of nursing time monthly

50% of acute trusts have EBCMS.

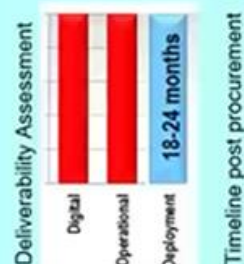


3 Digitised records and workflow (Sonia Patel)

Electronic Patient Record (EPR) delivery and optimisation to support increased productivity, quality and safety.

Productivity has been increased by up to 13% in the most digitised trusts

88% of secondary care trusts have an EPR.

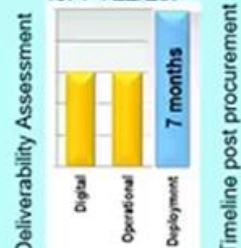


4 Optimising waiting lists (Ayub Bhayat)

Data-driven decision-making platforms optimising waiting list management and improving theatre productivity.

ChelWest; 79.1% waiting list validated; theatre utilisation improved from 73% to 86%; a 57% reduction in cancellations.

23% of acute trusts onboarded into IECCP programme for FY22/23.

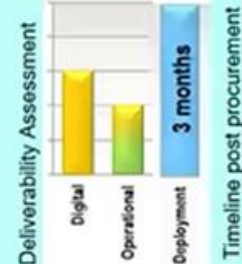


5 Dynamic discharge (Ayub Bhayat)

Rolling out shared system digital tools to help multidisciplinary teams effectively plan and track hospital discharges.

NTHFT; 25% improvement in long length stay (21+ days) 2 months post implementation

Pilots in 12% of acute trusts by March 2023.



6 AI diagnostic support (Hulya Mustafa)

Accelerating rollout of promising AI imaging tools to reduce diagnostic backlogs, save clinicians time and speed-up treatment.

AI-enabled reporting at Musgrove Park Hospital of chest x-ray for detecting lung cancer reduced the time to CT from 7 to 2.8 days

Two thirds of ICBs (28 of 42) are using or testing at least 1 AI Award product



7 Patient Portals (Joe Harrison) App Programme

Enabling patients to take control of their care through the NHS App including managing appointments and accessing resources to support better care

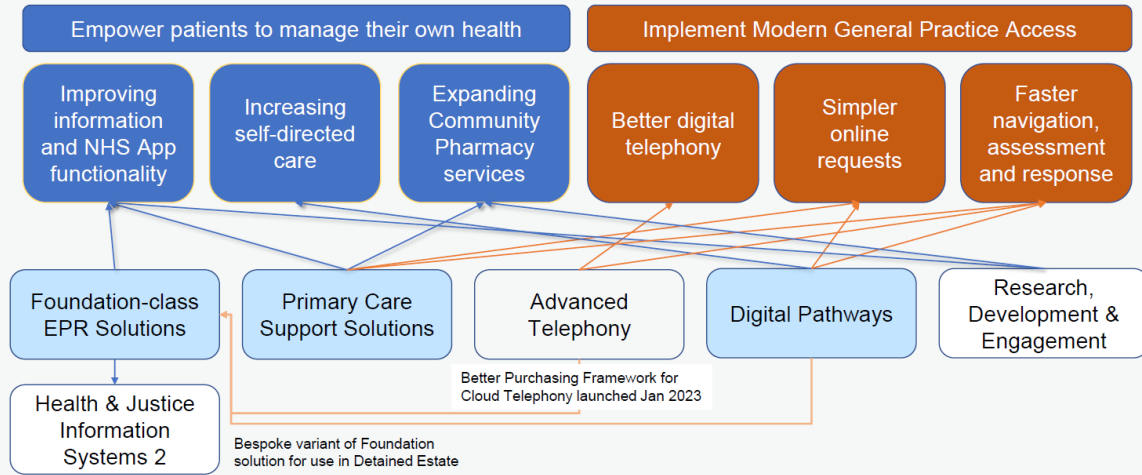
A medium-sized trust reported >£1m p.a. savings, higher patient satisfaction and 30% lower DNA figures when booking appointments via PPs

19% of acute non-specialist trusts currently have a PP.



Primary Care Access Recovery Plan (PCARP)

How our proposed procurements support PCARP



Financial update – Primary Care Access Recovery Plan (PCARP)

PCARP funding allocation (new)

- The new notional funding allocation for 2023/24 is £0.93 per patient.
- The notional allocation will operate the same way as the GPIT allocation:
 - Details of call-offs will be managed on the ICB teams pages
 - NHS England team will monitor spend against the allocation
 - Central payments will be made to suppliers on behalf of the ICBs, in line with call-offs.
- This funding allocation can be used to enter into new call-off agreements from the following frameworks:
 - Digital Pathways
 - Primary Care Support Solutions
- As these frameworks will not be available until part way through the year, ICBs can apply to temporarily utilise their allocation outside of these frameworks (next slide)

Digital Services for Integrated Care (DSIC)

- GP IT Futures is now **DSIC**
- New web homepage: [Digital Services for Integrated Care](#)
- We have evolved the products and services developed by the GP IT Futures programme into the new Digital Services for Integrated Care model.
- This recognises the increased range of settings we are already supporting and the need to drive standardisation and innovation across the NHS.
- Our tech systems also need to be able to support patients to be treated in multiple care settings, so we will also be looking at how systems can be joined up across the health and care system.
- Whilst we will continue to support general practice, our work will also connect care settings across Integrated Care Systems.
- DSIC will also provide systems suppliers with access to more markets, with the work they do having the potential to be useable for multiple care settings.

DSIC suite of frameworks

- Prior Information Notice published 1 June 2023
- Series of procurements designed to support three focus areas:
 - Support for Delivery Plan for recovering access to primary care (*PCARP*)
 - Refresh of existing Catalogue Solution set
 - Catalogue expansion (new settings, new commissions)
- Market Engagement will be phased after initial sifting exercise
 - Phase 1 – Digital Pathways
 - Phase 2 – Foundation EPR Solutions / Health & Justice Information Services
 - Phase 3 – Primary Care Support Solutions / Research, Development & Engagement
 - *Note: Better Purchasing Framework for Digital Telephony procurement is running in parallel with these opportunities.*

Financial update – GPIT

GPIT funding allocation (existing)

- The notional funding allocation for 2023/24 remains as last year at up to £1.70 per patient, dependent on existing commitments.
- There is no additional funding available for this allocation so there is no further for additional solutions.
- Existing commitments will continue to be funded (up to an average of £1.70 per patient).
- As call-off agreements expire, new call-offs can be created as required.
- This funding allocation can be used to enter into new call-off agreements from the following frameworks
 - Foundation-class EPR solutions
 - Primary Care Support Solutions
 - Tech Innovation Framework.