



# Supporting the sustainability of the NHS

*Making a difference beyond the hospital walls*

Mark Hutchinson, VP Healthcare Strategy, Transformation & Sales

16.11.23

# A leading provider of electronic patient records (EPRs) in the UK

## Core Solutions:

- Electronic Patient Record (EPR)
- Patient Administration System (PAS)
- Patient Flow
- Surgery
- Anaesthetics
- Mobile



**2700**

Hospitals

**+ 13K**

Extended care organisations  
around the world

In the UK, we support care of

**8M**

**2M**

Logins by clinicians  
each week in the UK.



**NHS**  
Bolton  
NHS Foundation Trust

**NHS**  
East Sussex Healthcare  
NHS Trust

**NHS**  
Gloucestershire Hospitals  
NHS Foundation Trust

**NHS**  
The Dudley Group  
NHS Foundation Trust

**NHS**  
East Kent  
Hospitals University  
NHS Foundation Trust

**NHS**  
Liverpool Heart  
and Chest  
NHS Foundation Trust

**NHS**  
Maidstone and  
Tunbridge Wells  
NHS Trust

**NHS**  
Medway  
NHS Foundation Trust

**NHS**  
Northern Care Alliance  
NHS Foundation Trust

**NHS**  
Wrightington,  
Wigan and Leigh  
NHS Foundation Trust

**NHS**  
Worcestershire  
Acute Hospitals  
NHS Trust

# Session outline

- What is sustainability?
- The current reality
- The need for action
- How technology can improve patient flow and drive efficiency
- The Gloucester story
- Future steps



# What is sustainability?

- Sustainability in healthcare extends beyond environmental concerns;
  - Financial viability and long-term effectiveness.
- As healthcare demands increase, it is crucial to implement solutions that can adapt to evolving needs without compromising patient care. EPRs have the potential to transform healthcare delivery by:
  - streamlining processes, reducing errors and improving decision-making.
- However, it is imperative to implement EPRs in a sustainable manner that ensures greater success and optimal return on investment.





# Current reality

*“Patients have been left waiting up to 65 hours for an ambulance in England - while one patient waited in the back of an ambulance for 40 hours outside A&E.”*

## **Lengthy waits**

Ambulances queuing outside hospitals

## **Delays**

Discharging patients

## **Poor visibility**

of patients ready for discharge

## **Resources**

Widespread strain on resources

## **Poor visibility**

of available capacity

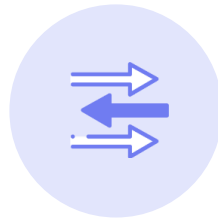
## **Patient care**

Significant impact on patient care/outcomes



# The need for action .....

Better visibility of capacity and patient information can:



Improve patient flow



Prevent admission



Reduce waiting times



Improve resource allocation

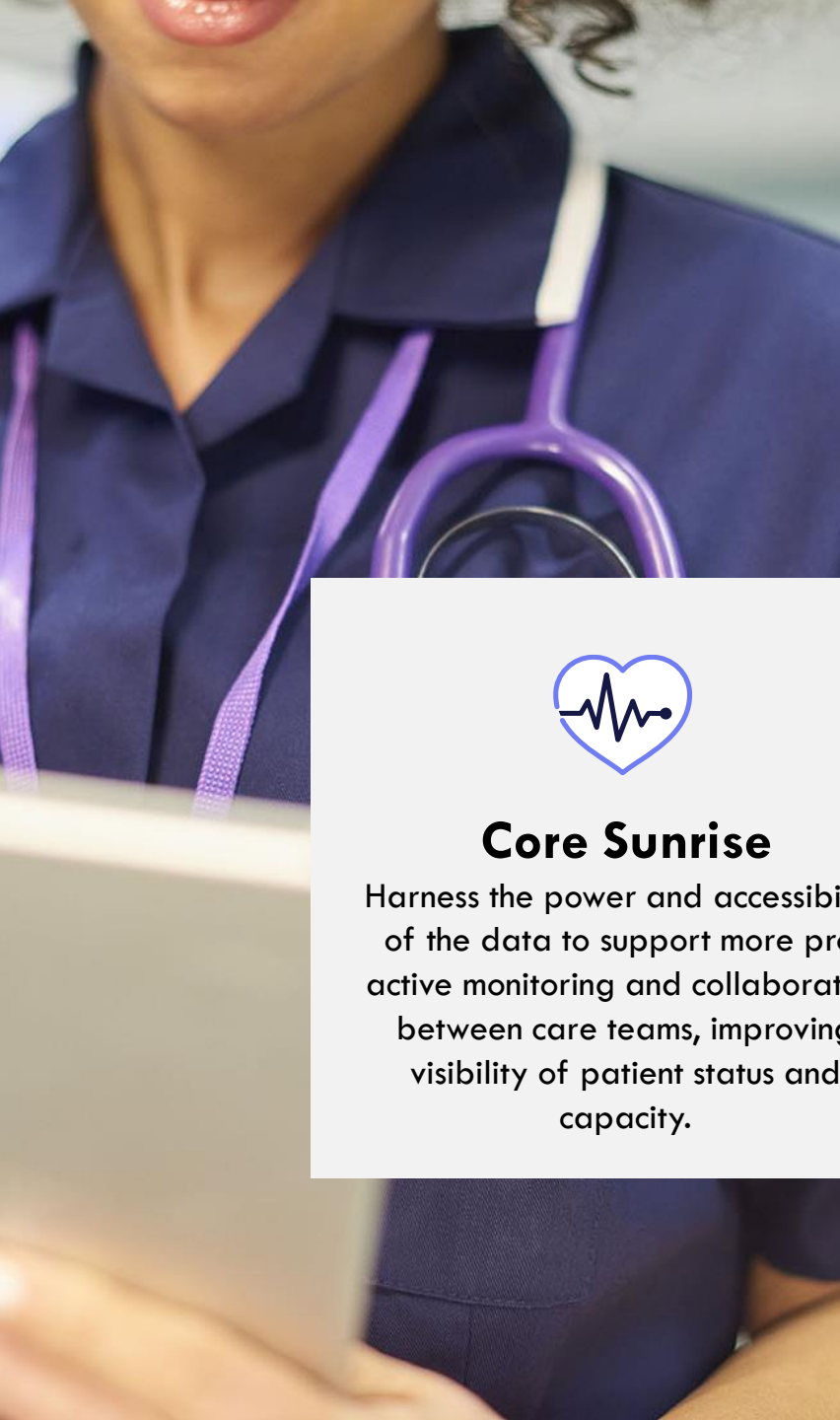


Facilitate timely discharge



Drive efficiencies

**Calls for flexible, interoperable solutions, supporting seamless data sharing and communication within an ICS**



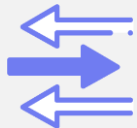
# How can technology can improve efficiency?

Here are some key areas where technology can make a positive impact:



## Core Sunrise

Harness the power and accessibility of the data to support more proactive monitoring and collaboration between care teams, improving visibility of patient status and capacity.



## Patient Flow

Improve visibility of wards and capacity with real time updates, supported by solutions for housekeeping and portering, increasing overall efficiency and resource utilisation.



## Virtual Wards

Support remote monitoring and management of patients feeding data into the Sunrise EPR, enabling patients to remain in their own home or facilitate early discharge.



# The future

Creating a more sustainable NHS requires innovative approaches to EPR implementations that prioritise:



## **Cost-effectiveness**

Only replace what you need. Produce the most value by implementing the clinical modules in your strategy as steadily and efficiently as needed.



## **Speed to value**

Our Sunrise blueprint provides a launchpad for trusts to accelerate their configuration journey.



## **Usability**

Clinicians work in conjunction with Human-Centred Design principles drive the development of our solutions.



## **Deploying quickly**

We have proven that an EPR can be implemented efficiently in months, not years, without any compromise on quality, safety or usability.





## CLIENT QUOTE

***“How do you generate the greatest clinical benefit from the least time and money? PAS replacement would have been a lot of work and a lot of risk, with no clinical benefits... Sunrise gave us obvious clinical benefits... [It is] a beautifully simple, ready-made system. It’s everything you need, and nothing you don’t.”***

*—Dr Martin Farrier, CCIO, Wrightington, Wigan and Leigh NHS Foundation Trust*



# Sunrise delivers EPR benefits at unprecedented pace

## Gloucestershire Hospitals NHS Foundation Trust achieved first go-live in less than 5 months

- Simplified, fast deployment
- Reliable methodology and results with proven blueprint
- Fewer resources
- Controlled expenses and cost savings

“This is not an IT project; it is a safety and reliability of care project. **Two weeks into go live** we were already seeing results. Nursing staff spending **more time at the bedside** inputting into mobile laptops, means that the **number of falls reduced** on one ward from two every week, to zero since go live.”

- **Mark Hutchinson, CIO**, Gloucestershire Hospitals NHS Foundation Trust



# Case Study: Gloucestershire Hospitals NHS Foundation Trust

How Sunrise EPR is unifying data to create a single source of truth.



## Operating in silos

Many ICS providers operating in 'silos' using a range of data logging processes and storage, from SQL servers to spreadsheets and notepads.



## Time wasted

Significant time wasted on the phone confirming the status of patients as no joined-up approach was in place for transferring people between organisations.



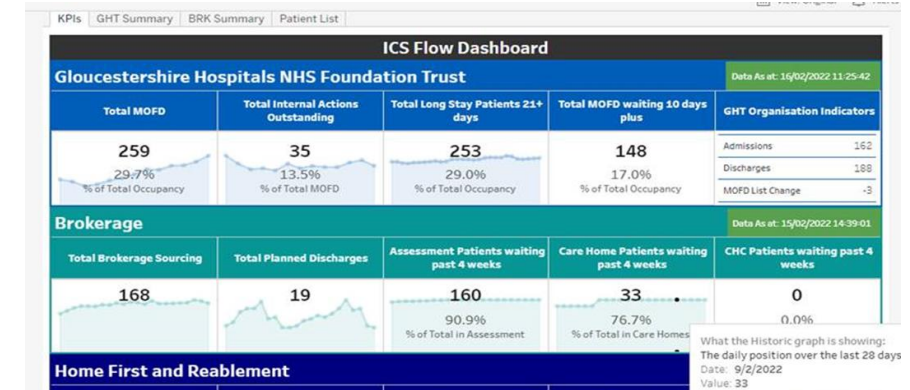
## Lack of data visibility

led to delays in patient discharges and contributed to additional clinical interventions triggered as a result of acquiring healthcare associated infections or suffering falls because of lengthy inpatient stays



# System Wide Flow Dashboard

- **Solution:**
  - Implemented system-wide patient flow dashboard underpinned by Sunrise EPR
- **Outcomes:**
  - Faster coordination of patient discharges across the care providers within One Gloucestershire ICS
  - A single source of truth – ICS wide oversight of patients awaiting discharge from GHFT and the next stage of their pathway with real-time feed
  - Identify where potential bottlenecks are occurring and ensure GHFT have the right resources in place to help people transition safely and efficiently from hospital to being cared for at home, or in a community setting.



Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
PAS	Single Clinical Data Repository/ EPR	Pharmacy Management System	50% of medical orders digital	Doctors Documentation with structured templates for 50% of the hospital	Closed loop prescribing for meds, blood products and human milk
Radiology Information System	Clinical Decision Support within the CDR	Electronic Meds Admin	Orders supported by clinical decision support	Doctors Documentation in ED (excluded from 50%)	Closed loop blood specimen collection
Cardiology Information System	VNA/ Document Management System Linked to CDR	50% of Nursing & AHPS documentation in EPR	Orders in ED (but doesn't have to be 50%)	Timeliness of order completion trackable	Closed loop prescribing in 50% of the hospital
Labs Management System	Oncology Management Software	EPR Used in ED	90% of Nursing & AHPS documentation in EPR (excluding ED)	Intrusion Prevention system in place	Closed loop capability in ED but excluded from 50% rule
Radiology and Cardiology PACs	Access to 95% of Lab Results through EPR	Role based access in place in EPR	Access to regional database eg SCR/ JUYI	Hospital owned portable devices are authorised and can be wiped remotely	EPMA integrated with Orders and Labs to maximise safe processes
VNA - Storage and access to Non-DICOM images	Access to 95% of Radiology Imaging reports in EPR	Storage of protected patient data on local devices is prevented	EPR downtime access to allergies, problem lists, medications & lab results		5 rights of medication CDS in place
	Access to 95% of Cardiology Imaging reports in EPR		Intrusion Detection System in place		At least one example of advanced CDS eg Sepsis triggers protocol
	IT security Policies: Physical access/ acceptable use/ data destruction		CDS in nursing documentation (eg risk assessment triggers care)		Mobile & portable device policy for user owned devices (BYOD)
	EPR available remotely				Annual security risk assessments completed and reported to Execs
	EPR new user training policy & existing user security reviews				

**June 2019**



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**April 2022**





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**February 2023**



# Key takeaways

- ICS engagement
- Don't wait for perfect
- See the potential
- Harness the power of the data
- Foundation to drive conversations about change
- Don't over complicate



# Future steps

- Embracing solutions like Sunrise EPR and Altera Patient Flow contributes to a more resilient and future-proof healthcare system
- Actionable steps for healthcare institutions to make a difference beyond hospital walls:
  - Adopt integrated solutions for data sharing
  - Collaborate with partners and Altera
    - Prevent avoidable admissions
    - Facilitate timely discharge
    - Improve visibility of capacity
  - Embrace a holistic approach to patient care and resource management





ASCENDING TO NEW HEIGHTS IN HEALTHCARE