

Board of Directors Meeting in Private - Digital Strategy Update

Subject:	Digital Strategy Update		Date: 10th December 2018	
Prepared By:	Jaki Taylor –Director of NHIS			
Approved By:	Peter Wozencroft – Director of Strategic Development & Commercial Development			
Presented By:	Jaki Taylor –Director of NHIS			
Purpose				
To provide an update on the current progress against the Digital Strategy for year 2.			Approval	
			Assurance	
			Update	X
			Consider	
Strategic Objectives				
To provide outstanding care to our patients	To support each other to do a great job	To inspire excellence	To get the most from our resources	To play a leading role in transforming health and care services
X	X	X	X	X
Overall Level of Assurance				
	Significant	Sufficient	Limited	None
		X		
Risks/Issues				
Financial	There are a number of mandatory requirements that have financial penalties.			
Patient Impact	Clinical Information can be readily accessed mitigating patient safety risks.			
Staff Impact				
Services	Services will be able to have access to timely and relevant information.			
Reputational				
Committees/groups where this item has been presented before				
Executive Team				
Executive Summary				
<p>The Sherwood Forest Hospitals’ Digital Strategy (2016 – 2021) provided a 5-year framework for the delivery of digital-enabled transformation initiatives for the trust. The Strategy identified several initiatives that would facilitate delivery against national and local targets and operational requirements in order to achieve the principle aim to support efficient, seamless and convenient care to patients.</p> <p>The first year of delivery of the plan has been successfully completed. This paper outlines the current position in relation to the success of that delivery, and how the following years can now build upon the successful deployments of year 1. The first year was focused very much on getting the foundations of the infrastructure stable, secure and resilient with some upgrades and clinical system deployments. It also outlines how the first 2 years initiatives are aligning to the Local Delivery Roadmap (LDR) workstreams which in turn underpin the 12 workstreams in the Integrated Care System (ICS).</p> <p>A significant amount of progress has been made on the delivery of the SFH Digital Strategy with a number of transformation initiatives delivered or progressed into further delivery in future years. Although positive progress has been made in relation to the transformation initiatives funded through the capital plan, the late approval of the 2017/18 capital plan has seen some of the initiatives deliver later than anticipated and move into year 2.</p>				

Progress of the SFH Digital Strategy

The goal of the SFH Digital Strategy is to deliver digital services to support efficient, seamless and convenient care to patients. The delivery of the strategy will see an integrated and consolidated solution that supports the trust in transforming patient care, within the trust, and across the organisational boundaries. There will be a reduction in the number of systems used by the trust, identifying systems for clear common purposes. From a clinical perspective there will be a significant reduction in the need to login to different systems for different purposes. The Orion Portal will be the primary system for accessing different clinical applications, creating a single logon and a seamless approach to moving from one system to another. The approach is to support interoperability across the health community so patients and clinicians don't experience the challenges of organisational boundaries.

Delivery of the strategy has been carefully planned so that each of the transformation initiatives identified create a clear co-ordinated path towards the final solution. The strategy also ensures alignment to the Local Delivery Roadmap (LDR) workstreams which in turn are aligned to the Integrated Care System (ICS) – previously referred to as the STP.

Historically the lack of investment in infrastructure has caused significant challenges in terms of performance and security. Investment last year was focused in this area to ensure the infrastructure is resilient, secure and stable. The infrastructure improvements within Year 1 of the SFH Digital strategy has seen delivery of a number of key initiatives, which has facilitated the rollout of Nervecentre, Vocera and Public Wi-Fi, and allow future applications like the ICE upgrade to make use of this.

There was a very clear focus on Cyber Security in year 1 with the formation of the Cyber Security Assurance Programme. This programme operates across all NHIS partners to focus on the risks associated with Cyber Security, identifying clear plans for mitigating those risks, and closely monitoring the KPI's associated with Cyber Security. The work conducted in year 1 now continues into year 2, ranging from securing removable media (USB sticks), regular Windows updates to cleaning up old user accounts and identifying existing systems that need to be upgraded to minimise risks associated with operating on old hardware and operating systems, with a full piece of work about to begin following the datacentre upgrade.

Where possible alignment with NUH has been achieved, and co-ordination across the organisational boundaries to support the Nottingham and Nottinghamshire Sustainability and Transformation Partnership (now ICS - Integrated Care System). Discussion are ongoing in relation to a new joint e-Prescribing and Pathology system.

Year 1 saw the first electronic transmissions of data between the trust and Notts County Council, with full electronic referral now being made. Year 2 onwards will develop this capability further to create closer integration with social care, being a first of type delivery in the UK.

Clinical Engagement has been paramount to the success of key deliverables. Year 1 has seen considerable progress with Sunquest ICE Service Provider Lists, though strong clinical leadership. The key to the success of the SFH Digital Strategy will be building on this clinical engagement and supporting effective clinical leadership of each of the transformation initiatives.

Year 2 will see further development in the foundation infrastructure, primarily with the deployment of the new datacentre. It will also see major clinical deployments commencing, starting with the procurement processes to ensure value for money and fit for purpose solutions. Winpath (Version 5) is the main pathology system. As this product is being sunset a replacement is being sought. Winpath Enterprise is likely to be the replacement solution, which allows flexible communication

with analysers and third-party systems and the HL7 feeds. Secondly e-Prescribing will provide a system for the recording and tracking of inpatient medications. A national mandate exists for the NHS to be paperless by 2020 and therefore there is a mandatory requirement for e-Prescribing to be implemented. E-Prescribing will also minimise risk to patient safety in inappropriate, incorrect or missed prescribing or administration, with associated financial and reputational risk. Supplier demonstration have taken place with the procurement process about to begin. Finally, the digitisation of patient paper notes will support the national initiative of being paperless at the point of care. Possible approaches are being investigated to reduce the collection of paper from the scanning of old patient records to the collection of digital forms and assessments.