

Board of Directors Meeting in Public

Subject:	Digital Strategy Update		Date: April 2018	
Prepared By:	Jaki Taylor – Acting Director of NHIS			
Approved By:	Jaki Taylor – Acting Director of NHIS			
Presented By:	Jaki Taylor – Acting Director of NHIS			
Purpose				
To provide an update on the current progress against the Digital Strategy.			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 a number of 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 just 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 on 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 Accountable Care System (ACS).</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 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 has been recently focused in this area to ensure the infrastructure is resilient, secure and stable. Year 1 of the SFH Digital strategy has seen delivery of a number of key initiatives focused around the infrastructure. Many of the end user devices being used to access systems have been replaced or are planned to be replaced. Other redundant hardware is being replaced in addition to the redesign of the data centre to provide additional resilience and redundancy.

There has been a very clear focus on Cyber Security with the initiation 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.

A number of existing systems have been upgraded to minimise risks associated with operating on old hardware, and the replacement of the VitalPAC solution with NerveCentre.

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). Year 1 has seen the first electronic transmissions of data between the trust and Notts County Council. Year 2 onwards will develop this capability further to create closer integration with social care.

Clinical Engagement has been paramount to the success of key deliverables. Year 1 has seen significant 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 develop further the foundation infrastructure, primarily with the deployment of the new datacentre design. It will also see 3 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. This being no longer actively developed, and being announced as being sunset requires a replacement to be investigated and deployed. The Winpath Enterprise Solution is likely to be a possible replacement solution, which allows flexible communication with analysers and third party systems and the HL7 feeds. 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. Scanning of

paper patient notes will support the national initiative of being paperless at the point of care. Possible approaches to the scanning of patient records are therefore being actively investigated.

Progress against the SFH Digital strategy has been positive with significant achievements in year 1. There are a number of transformation initiatives planned for year 2 which will see further progression against the initiatives identified within the strategy. The subsequent years of the plan will see further digital interoperability with consolidation of more applications to achieve a solution that supports efficient, seamless and convenient care to patients.