Information for staff

May 2014

Sheffield Teaching Hospitals **NHS**

NHS Foundation Trust

Possibilities

We are investing £35million over the next five years in new technology , how will it help you do things better?

TRANSFORMATION THROUGH TECHNOLOGY

IT'S TIME FOR CHANGE

TRANSFORMATION THROUGH TECHNOLOGY

Dr David Throssell, Medical Director

We are investing more than £35 million to transform many of the IT systems we have in place at the moment so that we can continue to provide high quality, safe and responsive care to our patients.

We are a trailblazer in so many areas thanks to the innovation and dedication of our clinical and non-clinical colleagues across hospital and community care.

However this is often hindered rather than helped by some of the IT systems which we have had for many years. But we don't want to just update, we want to transform our organisation into one which has cutting edge systems to support the transformation in care we want and need to deliver over coming years.

Last year the Trust Board approved a new technology strategy which over the next five years will mean we have those technologies in place but before then, every single member of staff needs to get involved and ready for the changes coming over the horizon.

The five year programme will see changes in everything we do and bring huge benefits for our patients and bring faster more efficient systems for staff across the Trust to use.

It will also provide computer systems which will enable us to work much more closely with other health providers by allowing us to share information and plan care together.

From our desktop computers and mobile devices to a new electronic document system and patient records we are all going to need to embrace the changes which are on the way. We will also need to update our skills to get the very best from the technology which will be available.

What has this all got to do with me?

• The Transformation Through Technology programme is not just about computers and software.

• To make it a success we will need to change how we think, carry out our daily work, how we access and record patient information and communicate with patients and each other.

• You have the chance to influence how we use the new technology and ways of working by getting involved now.

• There are a series of change management sessions over the coming weeks and months to learn more about what is being planned. Give your ideas of how new technology could be used in your area of work or clinical practice and to ask as many questions as you want!

• We will also be setting up a 'Hospital of the future' so that you can come along and see some of the technology in action and try out some of the new systems.
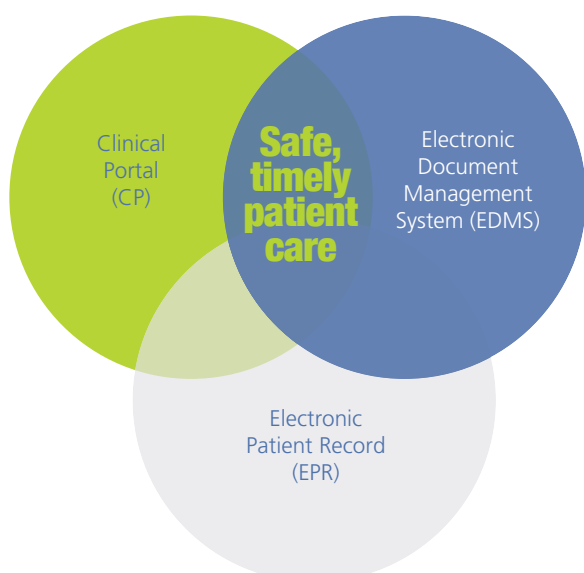
There are three main new systems which will underpin the technology transformation we want to achieve.

1 A Clinical portal which will act as an umbrella across the majority of our current computer systems like ICE, PACs, System One. It will mean that you will only have to log in once on the clinical portal to then be able to view all of the systems on one screen. No more logging in and out of different systems and trying to assimilate patient information from a number of different systems.

2 Electronic Document System (EDMS). Paper-based health records will soon be a thing of the past at STH. We want to move into the digital age and convert from paper to electronic health records' management. The Trust is planning to install an Electronic Document Management System (EDMS) that will change the way health records are used. Staff will have secure access online to health records, allowing the availability of records when and where they are needed, and at the point of care.
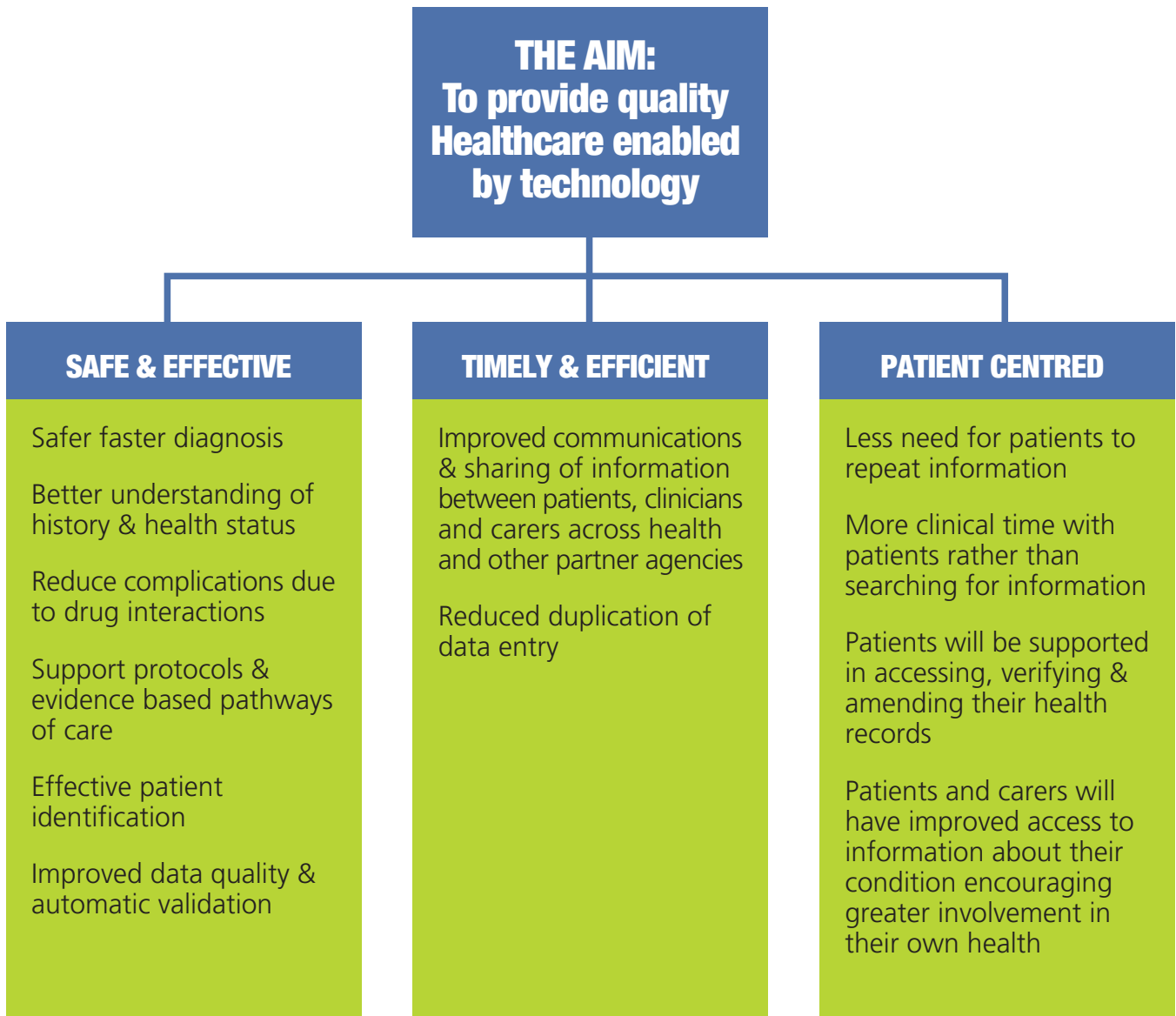
3 Electronic Patient record. An electronic patient record provides a comprehensive record of a patient's involvement with STH. The system enables staff to have access to a patient's details on a strict need to know basis, from any location, at any time. Information is held on patient demography, referral, ward stay/leave, MHA, contacts, aliases, appointments, letters, CPA, clinical assessments, pathology results etc. Records are valuable because of the information they contain and that information is only usable if it is correctly and legibly recorded in the first place, is then kept up to date, and is easily accessible when required. An electronic patient record would enable this to happen.

Clinical Portal (CP)

Safe, timely patient care

Electronic Document Management System (EDMS)

Electronic Patient Record (EPR)

At the moment we are looking at current business processes to ensure the suppliers we are looking at, can support us in the requirements going forward. A number of clinical and non-clinical colleagues are also spending some time visiting other Trusts who have already got a clinical portal, electronic document management system or electronic patient record system in place. This is so that we can learn what has worked and what has not so that we can think about this before we chose a system or supplier.

TRANSFORMATION THROUGH TECHNOLOGY

DELIVERING BENEFITS, NOT SYSTEMS

The Transformation through technology programme is about delivering patient benefits and not just having new technology. No matter how good the new systems are, they will be useless if we don't change our ways of working to exploit their benefits. Some of the benefits we could achieve are outlined in the diagram below.

THE AIM:
To provide quality Healthcare enabled by technology

SAFE & EFFECTIVE

Safer faster diagnosis

Better understanding of history & health status

Reduce complications due to drug interactions

Support protocols & evidence based pathways of care

Effective patient identification

Improved data quality & automatic validation

TIMELY & EFFICIENT

Improved communications & sharing of information between patients, clinicians and carers across health and other partner agencies

Reduced duplication of data entry

PATIENT CENTRED

Less need for patients to repeat information

More clinical time with patients rather than searching for information

Patients will be supported in accessing, verifying & amending their health records

Patients and carers will have improved access to information about their condition encouraging greater involvement in their own health

NO MORE PAPER

By 2018 we want to go from this…

To this… electronic storage of data which feeds easily to desktops, mobile devices, the bedside and across organisations

Electronic Document Management of Health Records
Paper-based health records will soon be a thing of the past at STH. We want to move into the digital age and convert from paper to electronic health records' management. The Trust is planning to install an Electronic Document Management System (EDMS) that will change the way health records are used. Staff will have secure access online to health records, allowing the availability of records when and where they are needed, and at the point of care.

Health records are currently distributed across a number of records libraries in the Trust, where over 1.1 million paper records are stored. Moving from paper to digital records will allow more rapid access and sharing of information.

EDMS is a system that allows health records to be captured and stored as electronic images, which can then be viewed on computers across the organisation. Staff will be able to capture and view clinical information about a patient's medical history.

When will it happen?
The transition from paper to electronic will be via a scan on demand process, which will be more effective and efficient. This will mean there will be quite some transition to totally electronic. Work starts now, with supplier capability reviews and we expect to start our first library transformation this year.

The Electronic data management system at a glance

- The Electronic data management system project aims to replace paper health records with digitised versions.
- All health records in future will reside in the Trust's clinical information systems or in the EDMS digitised records store.
- One screen will be used to view the clinical information system alongside the patient's digitised Health Record.
- The main way of adding new information to the patient's Health Record will be through the Electronic Patient Record
- Any paper that still needs adding to the record will be scanned and added locally to EDMS.
- Paper records held in multiple sections or volumes will be split into appropriate sub-sections in the digital version.
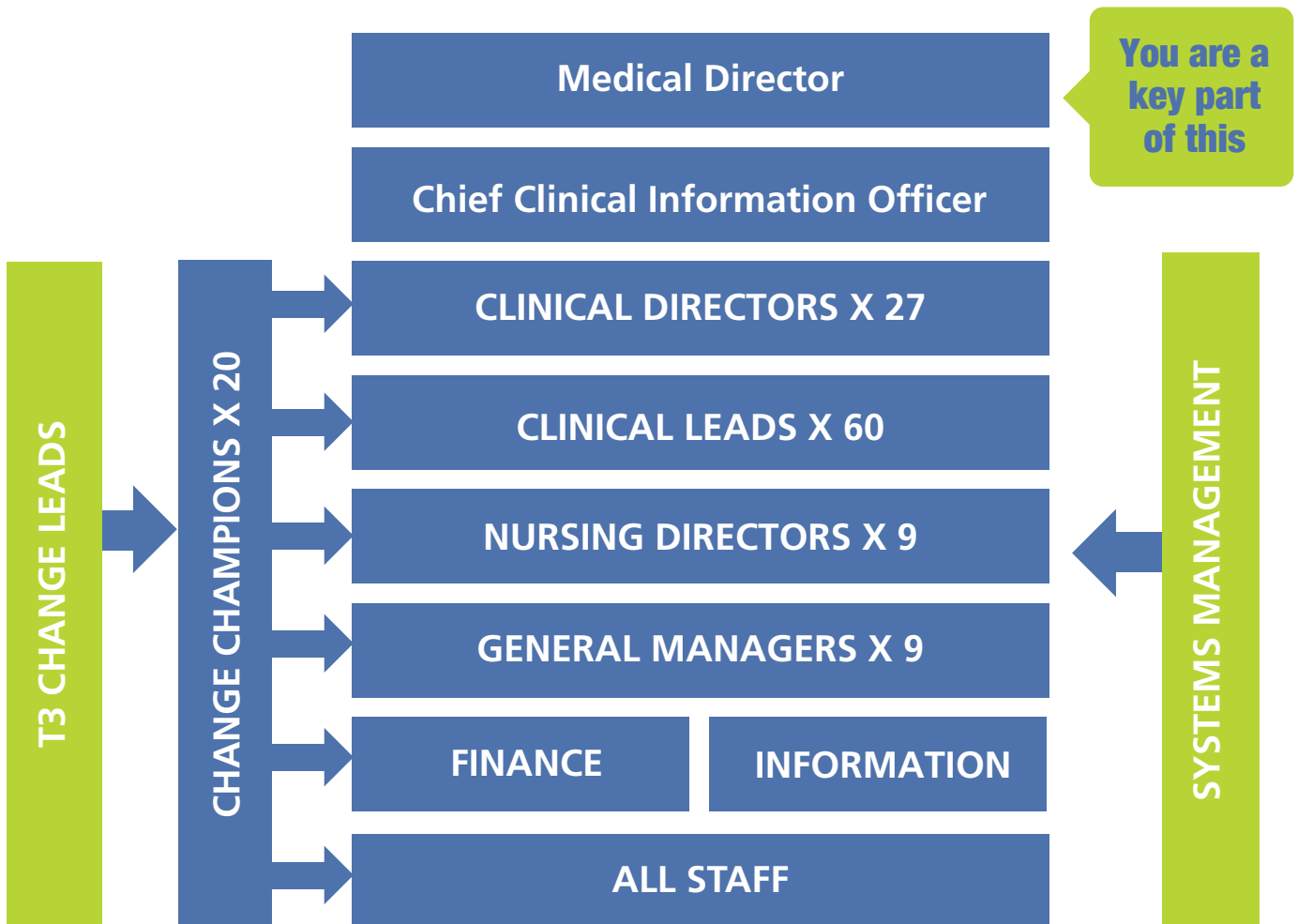

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GET INVOLVED

To ensure we chose and design the right systems for the way we want to work, it is vital as many members of staff as possible give their views and help shape the new systems. We have a number of Change Champions who are speaking to groups of staff in their areas to gather views and provide input back to the Technology Board to guide decisions and implementation.

The Change champions are part of a wider network of people who are playing a key role in ensuring all staff across the Trust are informed and engaged in the planning and implementation of the massice changes ahead.

The diagram shows how this network plans to work.

We are in the process of creating a powerful change network...

Medical Director

Chief Clinical Information Officer

You are a key part of this

T3 CHANGE LEADS

CHANGE CHAMPIONS X 20

CLINICAL DIRECTORS X 27

CLINICAL LEADS X 60

NURSING DIRECTORS X 9

GENERAL MANAGERS X 9

FINANCE

INFORMATION

ALL STAFF

SYSTEMS MANAGEMENT

CHANGE CHAMPIONS

Julie Dyson, Medical Records Manager	Medical records	Julie.dyson@sth.nhs.uk
Dr Jennifer Hill, Consultant Respiratory Physician/Clinical Director Respiratory medicine	TTO (medicines given to patient on discharge from hospital stay)	Jennifer.hill@sth.nhs.uk
Mr Damian Child, Chief Pharmacist/Clinical Director Pharmacy		Damian.child@sth.nhs.uk
Dr Andrew Gibson, Consultant Neurologist/Deputy Medical Director		Andrew.gibson@sth.nhs.uk
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Mr Andrea Galimberti, Clinical Director Obstetrics, Gynaecology and Neonatology		Andrea.galimberti@sth.nhs.uk

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CHANGE CHAMPIONS

	Dr Jennifer Hill, Consultant Respiratory Physician/Clinical Director Respiratory Medicine	Inpatient/CCP	Jennifer.hill@sth.nhs.uk
	Dr Adrian Scott, Consultant/Clinical Director Diabetes and Endocrinology		Adrian.scott@sth.nhs.uk
	Mr Chris Powell-Wiffen, Deputy General Manager Surgical Services	Medical Secretaries	Chris.powell-wiffen@sth.nhs.uk
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	Mrs Joanne Ferraby, Service Manager		Joanne.ferraby@sth.nhs.uk
	Sally Care, Service Manager Accident and Emergency	Accident & Emergency	Sally.care@sth.nhs.uk
	Dr Tom Locker, Consultant Emergency Medicine		Thomas.locker@sth.nhs.uk

For further information on the Transformation Through Technology programme email: **Transformation@sth.nhs.uk** or call ext 15756

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