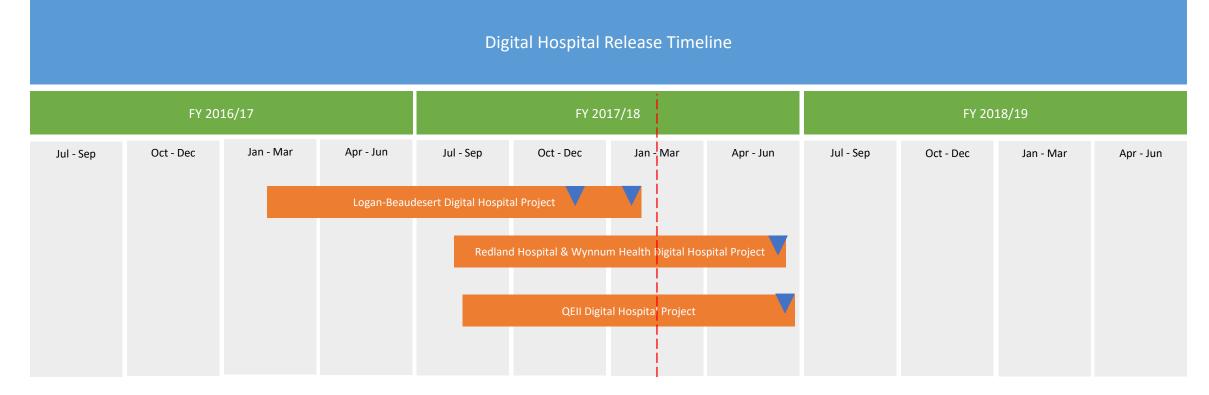
Metro South Health (MSH) Digital Hospital DICOM – Education Workshop, September 2018



MSH Digital Hospital Road Map



- PAH November 2015 Core & March 2017 Medications, Anaesthetics and Research (1033 Beds) Live
- Logan & Beaudesert Hospitals December 2017 & January 2018 (459 + 40 Beds) Live
- Redland Hospital and Wynnum Health May 2018 (222 Beds) Live
- QEII Hospital June 2018 (218 Beds) Live

What have we Implemented

Features of a digital hospital



Accurate patient identification through wristbands with unique barcodes



Bedside monitoring devices that automatically upload vital signs into the digital system



Integrated digital patient records

across all areas—medicine, surgery, emergency, maternity, pathology, radiology and outpatients



Medical grade wi-fi throughout all areas of the hospital



Secure systems through multi-factor authentication



Rich data and analytics available for research and quality improvement

Metro South Health

Digital Hospital Benefits **2017**

A benefit is a measurable improvement resulting from a change that is perceived to be an advantage by a stakeholder.

The benefits associated with the digital hospital system at PAH have been achieved because the hospital's clinical and nonclinical staff have embraced innovation in healthcare.

Supply

Drug Dispensing and

Incidents linked to drug

dispensing and supply

1 APR-6 AUG 2016 vs

1 APR-6 AUG 2017

Early identification of deteriorating patients

Rapid Response Team calls

AUG 2015 vs AUG 2017



Inpatient length of stay Average for all admissions

JUL-DEC 2014 vs JUL-DEC 2017



This has been analysed over longer period of time between 1/07/2014 and 31/12/2017 and the eduction in inpatient length of stay ha been found to be statistically significa

Drug administration and monitoring Incidents linked to drug

administration and monitoring 1 APR-6 AUG 2016 vs 1 APR-6 AUG 2017

Drug costs per WAU Drug costs per weighted activity unit

JUL-DEC 2016 vs JUL-DEC 2017



Reported Hospital Acquired Stage 3 and 4 pressure injuries

No. of patients with stage 3 and 4 pressure injuries per 1000 bed days



This has been analysed over a longer period of time between 01/01/2014 and 31/12/2017 and the

Radiology results

Formal endorsement of ED Radiology results

DEC 2014-MAY 2015 vs DEC 2016-MAY 2017



Infections Healthcare associated SAB per 10,000 bed days

JUL-DEC 2014 vs JUL-DEC 2017



OUR Digital Hospital

Emergency readmissions within 28 days of discharge

Readmissions

JAN-JUN 2014 vs JAN-JUN 2017



Clinical form costs Including printing costs

MAR-MAY 2014 vs MAR-MAY 2017



Other benefits expected from the Digital Hospital will be tra



Our Critical Success Factors

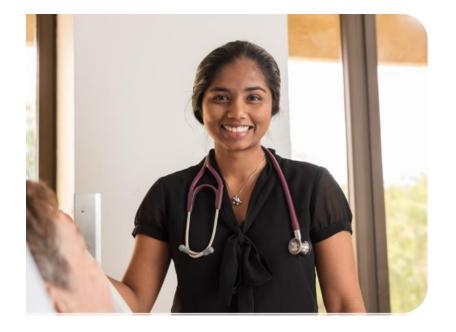
- Absolute commitment by Board, Executive & Clinical Leaders
- Outcome focus Patient safety no harm, shared vision
- Clinical engagement & governance
- Critical mass of change champions through all areas
- Clinicians embedded in the project teams
- Medical grade Wi-Fi "No holes"
- Adequate number of user-centric workstations
- Project and Site relationship 'working together'
- Contemporary, tailored training
- Communicate, Communicate, Communicate



Lessons Learnt

- Scope & Governance
- It is a clinical transformation project
 - Change process focus on complex (high risk/ high impact) workflows
 - Embedded superusers for go live
 - Clinically lead change process
 - Local Workflow practices
- Device integration
- Infrastructure electrical and IT
- Difference between releases and rollouts

Training Lessons Learnt



- Logistics early planning
- Fund training attendees (be upfront)
- Acknowledge and accept business impact
- Reduction of non essential activities, workforce planning
- Build capability in workforce
- Consider computer literacy and different learning needs
- Governance and tracking
- Timely access to a practice domain
- Proficiencies managed by local education teams
- "Train early, Practice hard"

Supporting the Change



Digital Hospital Updates | Expand Knowledge | Prepare for Go Live

The Device Lab is an opportunity for all clinical staff to ask questions and utilise the digital devices with the new ieMR integration.

Boardroom / Conference Room Level 3 Monday 21 to Friday 25 May, 2-3pm Monday 28 May to Friday 1 June, 2-3pm

For additional information, please contact the Digital Hospital Project Team

metrosouthdigital.health.qld.gov.au



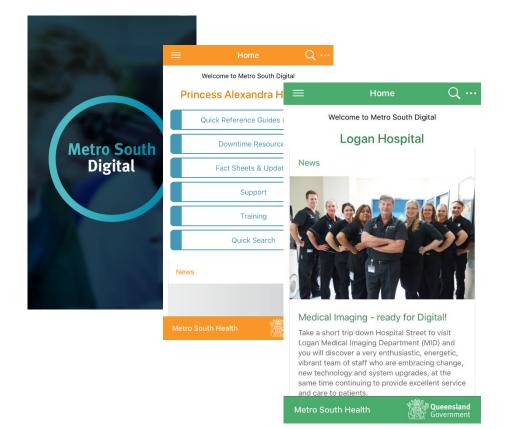
- Focus on high impact/ high risk workflow change
 Key Activities & Engagement:
 - Change champion sessions with available practice materials
 - Device Labs,
 - Downtime Business Continuity sessions
 - Ongoing staff forums
- Defined workflow practice and delivery of key training prior to go live.

Go live Lessons

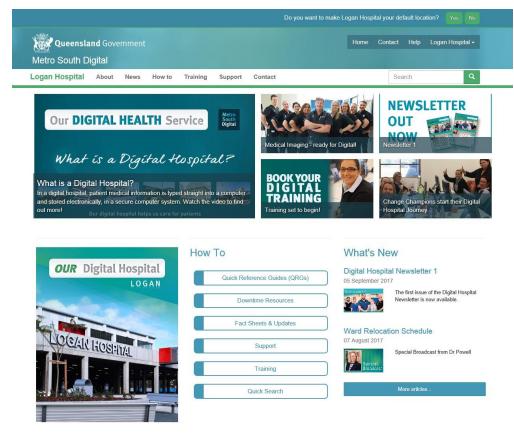


- Tailored readiness activities
- Patient Safety Watch (Site Assurance)
 - input in to the Go live governance
- Clinical Governance daily bronze, silver, gold
- Tracking command center issues
- Close monitoring of conversion activities
- No patient harm or quality impacts were evidenced during the digital implementation in MSH

Digital Online Resources: Metro South Health Website



Mobile App

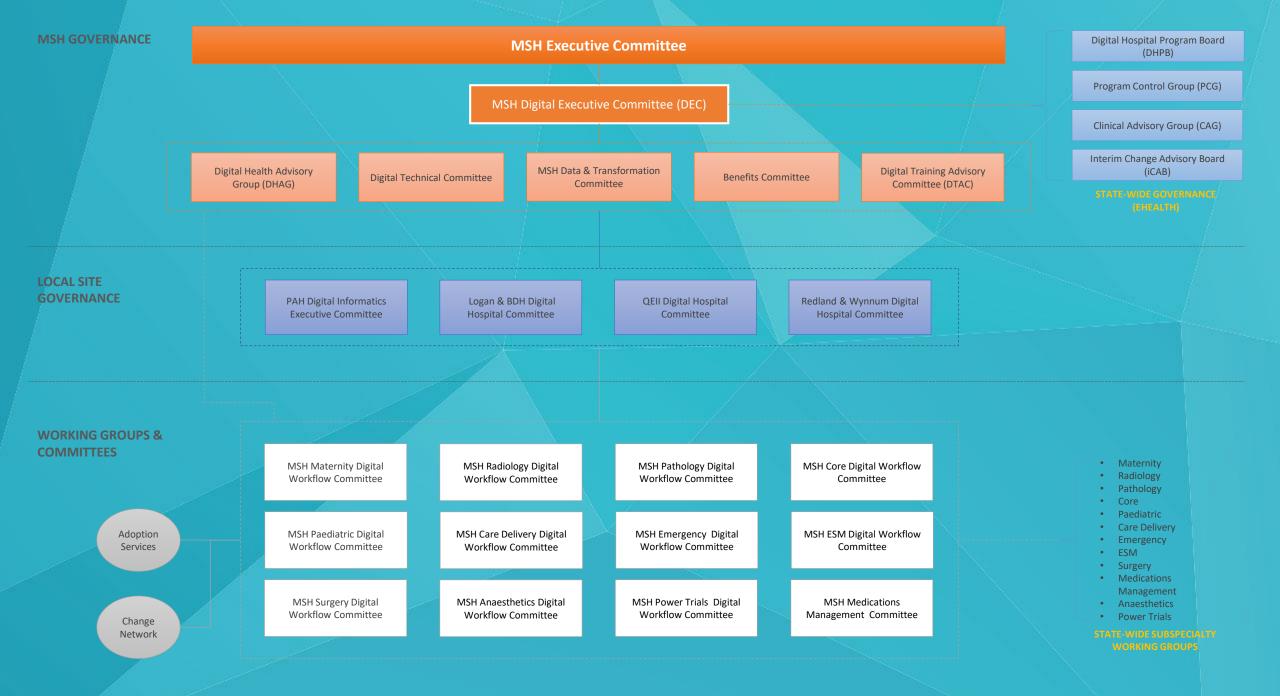


Intranet Site

"Business As Usual"

Every weekday in Metro South Health	
6,500 patients' medical records are viewed	150,000 charts are opened
25,000 drug alerts occur	60,000 medications are administrated
8,000 lab tests are ordered	1,000 care plans ordered

Metro South Health



Thank you!



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