

# Fact sheet

## Digital Hospital Devices

### Welch Allyn Vital Signs Monitors (VSMs)

There are currently VSMs of various age and model type already in use at QEII & Redland Hospitals.

Of these existing VSMs, the older machines will be replaced, and the current models will be updated so they can integrate with the new digital hospital system.

#### What will be used in the new digital hospital system?

From the Digital Hospital Go Live, all new and upgraded VSMs will be connected to the digital hospital system and will upload information to a patient's electronic medical record.

#### When will the new devices be installed?

The devices will be fully assembled and delivered to wards in a staged rollout in early 2018. Existing VSMs will be replaced immediately following the drop off of the new VSMs.

#### Will we need training to operate the new Vital Signs Monitors?

The basic operation of the new VSMs will be the same as the existing devices. A red dot sticker will be placed on VSMs which are new or updated.

Prior to the digital hospital Go Live, the VSMs will be used as normal.

From Go Live, the devices will be connected to the digital hospital system – staff will be taught how to use this new functionality as part of their digital hospital training.



## Philips Electrocardiograph (ECGs)

Various ECG models are currently in use across QEII and Redland Hospitals.

### What will be used in the new digital hospital system?

New Philips ECGs will be installed at QEII and Redland Hospitals.

From Go Live, ECGs will be connected to the digital hospital system and will upload ECG data to the electronic medical record.

### When will the new devices be installed?

The new ECGs will be delivered in batches to QEII and Redland Hospitals to be fully assembled, tested then deployed to the wards early in 2018.

New Philips ECGs will replace existing other brands and older model ECGs.

### Will we need training to operate the new devices?

The basic operation of the new ECGs will be similar to existing devices. Philips staff will be onsite during deployment to train staff and provide assistance with the new ECGs. A red dot sticker will be placed on new ECGs.

Prior to the digital hospital Go Live, the ECGs will be used as normal.

From Go Live, the ECGs will be connected to the digital hospital system – staff will be taught how to use this new functionality as part of their digital hospital training.



## Workstations on Wheels (WOWs)

A WOW is basically a laptop computer and a large monitor mounted on a portable trolley, with a medical-grade keyboard and mouse, a swipe card reader used to log in, and a bar code scanner. There are already some WOWs being used in an inpatient setting at QEII and RedlandHospitals.

WOWs are designed to be moved around a hospital ward so that clinicians can view and document into a patient's electronic medical record at the bedside.

The WOWs to be used by staff at QEII and RedlandHospitals will have the following features:

- Automatic wireless connection to the electronic medical record, from any location in the hospital
- Adjustable height for the trolley, the monitor and the keyboard and a locking mechanism for the wheels
- Suitable for use while standing or sitting
- Rechargeable batteries which should provide power for at least 8 hours of use
- Medical grade keyboards and mice are durable and cleanable

### What will be used in the new digital hospital system?

New WOWs will be installed throughout QEII & Redland Hospitals. Types of WOWs will include standard, pharmacy and Fetalink.

### When will the new devices be installed?

WOWs are planned for installation at QEII and RedlandHospitals early 2018.

### Will we need training to operate the new devices?

WOWs operate as a normal computer with wireless access. Staff will log in to a WOW by swiping their Qld Health badge which seamlessly logs into the ieMR (Integrated Electronic Medical Record). Staff will also be provided with instructions on using the trolleys when they are installed in each area.



## Philips CTG (Cardiotocograph) / Fetal Monitors

Redland Hospital currently uses GE and Philips CTG devices in its maternity ward.

### What will be used in the new digital hospital system?

Existing Philips CTG devices will be upgraded to connect to the digital hospital system. Additional new Philips CTGs will replace the GE CTGs which are not compatible with the digital system.

### When will the new devices be installed?

Planned for early 2018.

### Will we need training to operate the new devices?

From Go Live, the CTG devices will be connected to the digital hospital system – staff will be taught how to use this new functionality as part of their digital hospital training.



## Bedside Monitors (BSMs)

QEII and Redland Hospitals currently use various brands of bedside monitors.

### What will be used in the new digital hospital system?

All bedside monitors will be standardised to Draeger monitors and integrated to the electronic medical record.

### When will the new devices be installed?

Planned for May 2018

### Will we need training to operate the new devices?

From Go Live, bedside monitors will be connected to the digital hospital system – staff will be taught how to use this new functionality as part of their digital hospital training.



## Anaesthetic Dispensing Units (ADUs)

At QEII and Redland Hospitals, ADUs currently use GE monitors to monitor patient vitals as well as a mobile AARK monitor for electronic record keeping of patient data.

### What will be used in the new digital hospital system?

From Go Live, a WOW for each ADU will replace the AARK monitor. The GE monitor on the ADU will be capable of receiving patient data from the ADU and will upload this data to the electronic medical record during and after a case.

### When will the new devices be installed?

Planned for May 2018

### Will we need training to operate the new devices?

Staff will receive training as part of their digital hospital training and proficiency sessions.



## Wristband Printers (Adult, Paediatrics & Neonatal)

Currently wristbands for patients at QEII and Redland hospitals are printed using a document printer.

### What will be used in the new digital hospital system?

New wristband printers for digital hospital will be standalone printers which use special ink-free label cartridges to print patient labels. These printers will be connected to the digital system and therefore have the capability to print from a patient's electronic medical record.

- Adult wristband printers will come in pairs (a white band for patients with no known allergies / a red band patients with known allergies)
- Paediatric wristband printers will come in pairs (a white band for patients with no known allergies / a red band patients with known allergies)
- Neonatal wristband printers will be only red

### When will the new devices be installed?

Planned for May and June 2018.

### Will we need training to operate the new devices?

Staff will receive training as part of their digital hospital training and proficiency sessions.



## Specimen Label Printers

Currently a combination of pathology specific printers and document printers are used to print specimen labels at QEII and Redland hospitals.

### What will be used in the new digital hospital system?

New specimen label printers for digital hospital will be small, standalone printers that use rolls of adhesive labels for printing. These printers will be connected to the digital system and therefore have the capability to print from a patient's electronic medical record.

These unique bar-coded labels will be linked to a specific pathology request for a specific patient. This will improve traceability and safety as samples move throughout the testing process.

### When will the new devices be installed?

Planned for May and June 2018.

### Will we need training to operate the new devices?

Staff will receive training as part of their digital hospital training and proficiency sessions.



**It is critical that specimen labels are correctly applied to tubes. The correct labelling method will be included in training and education materials for pathology tests.**

## Single Patient Label Printers

Currently patient labels are printed by document printers using HBCIS at QEII and Redland hospitals.

### What will be used in the new digital hospital system?

New single patient label printers for digital hospital will be small, standalone printers that use rolls of adhesive labels for printing and can print one patient label at a time directly from a patient's electronic medical record.

In a digital hospital there is a reduced requirement for paper patient labels and therefore it is more efficient to print single labels rather than sheets of labels.

### When will the new devices be installed?

Planned for May and June 2018.

### Will we need training to operate the new devices?

Staff will receive training as part of their digital hospital training and proficiency sessions.

## Downtime Viewers

During a planned or unplanned downtime of the ieMR, it is essential that staff in a digital hospital can still view their patients' medical records for reference during the downtime.

### What is a Downtime Viewer?

A Downtime Viewer is a dedicated computer which is kept in a locked wall-mounted cupboard in a hospital ward, for use only during a downtime of the digital hospital system.

The 724 Access Downtime Viewer software on this computer provides access to historical patient medical information from the period leading up to the downtime.

Downtime Viewers will be installed at QEII and Redland Hospitals with locations to be determined after consultation with Nurse Unit Managers.

Downtime Viewers are fixed in place to ensure that they are always turned on and connected to the ieMR, to create a local backup of patient medical records.

### When will the new devices be installed?

Planned for May and June 2018.

### Will we need training to operate the new devices?

Staff will receive Downtime Procedures training as part of their digital hospital training and proficiency sessions.





## Additional IT Equipment

The digital hospital project team works closely with surgery units and wards regarding the installation of new equipment. IT equipment to be installed at QEII and Redland Hospitals will include:

- new desktop computers, wall mounted computers and laptops
- large wall monitors – for viewing schedules, patient tracking, tracking boards
- medications rooms will receive wall mounted computers or laptops for medications rooms
- operating theatres will receive new wall mounted computers, specimen label printers and anaesthetic devices