

One of the most technologically advanced hospitals in Australia

Fiona Stanley Hospital will set new benchmarks in information and communications technology (ICT). It will be part of a network of health services, ranging from those provided in the home, or by GPs, non-government organisations, and other hospitals and health care providers.

New and improved communication between these groups will mean more efficient, safer and higher quality care for patients throughout Western Australia.

The new technology at Fiona Stanley Hospital

Fiona Stanley Hospital will include:

- a network that will allow ICT systems to 'talk' to one another within Fiona Stanley Hospital and across the wider health care system, including external providers and ultimately patients. The privacy and security of patient information will be of the highest importance in the development and implementation of this new network;
- videoconferencing (or telehealth) services for clinical, consultative, training and administrative purposes;

- new patient administration and records systems;
- improved ICT infrastructure, including wireless technology integrated with building systems to ensure security and patient safety; and
- the integration of new medical equipment with ICT.

The bedside patient entertainment systems will also be used for clinical and administrative purposes. New systems for bedside patient care will be used for patient administration, transmission of images including x-rays and scans, pain management, discharge administration and medication management.



Artist's impression of main hospital entrance area. Improved information and communications technology at Fiona Stanley Hospital will help to streamline processes including bookings, notification of appointments as well as admission and discharge from the hospital.

The new administration and records systems

Administrative and clinical health care services at Fiona Stanley Hospital will use a single **Electronic Health Record (EHR)** to capture and maintain a patient's entire medical record. The electronic health record will improve access to information and decision making, and better integrate with other clinical information systems (such as imaging, pathology and pharmacy) to provide a more comprehensive patient medical history.

The benefits of improved technology

For **patients**, the new technology will:

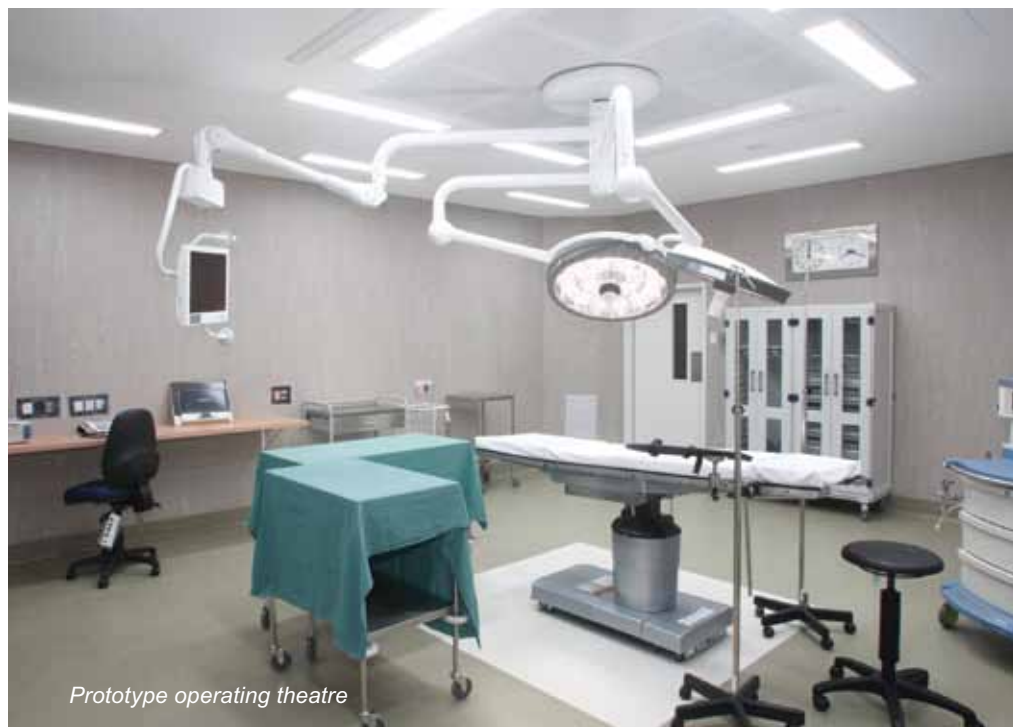
- improve safety and quality of care;
- improve coordination and delivery of health care services;
- improve privacy and security of patient information;
- reduce time spent providing the same information many times over to different clinicians and health service providers; and
- streamline processes – including bookings, notification of appointments as well as admission and discharge from hospital.

For **doctors, clinicians and other hospital staff**, the new technology will:

- improve the quality and consistency of care;
- provide different ways to interact with a patient directly or via video;
- reduce duplication;
- improve decision making; and
- improve patient outcomes.

For **GPs, other hospitals including private hospitals, and community health care providers**, the new technology will provide a range of benefits, including:

- new and better ways to exchange and coordinate patient care;
- improved access to information – including the range and suitability of services provided by the public health system;
- improved ways of scheduling and referring patients;
- improved ability to interact and collaborate with clinicians in the public health system; and
- the reliable delivery of information to the right place and the right people at the right time.



Prototype operating theatre



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