

THIS ISSUE

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Burwood Hospital

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Canterbury CEO David Meates and DHB Board Chair Murray Cleverley inspect some of the 79 lead rubber bearings recently arrived from Malaysia that will be used in the base isolation system of the new Acute Services Building at Christchurch Hospital.

ON TRACK FOR TRANSFORMATIONAL CHANGE

The past few years have seen the Canterbury Health System embark on our biggest building programme ever. From the new facilities at Burwood and Christchurch Hospitals, Rangiora, Ashburton and Kaikoura to millions of dollars of earthquake repairs, we are on track to deliver world-class health facilities.

As we head into the final stages at the new Burwood Hospital, across town we are counting down to the start of main construction of the Acute Services Building at Christchurch Hospital. A rigorous pre-construction stage is underway with Leighton Construction. An announcement of the main contractor is expected by the end of the year. Because of the complexity of the build, a pre-construction phase is crucial to enable the contractor to have input into the detailed designs.

Warehouses are already starting to fill with materials required for this massive build. Much of the primary steel has been ordered and the base isolators for the building are starting to arrive. The base isolators are essentially large rubber discs that consist of three basic components – a lead plug, rubber and steel, which are generally placed in layers. These sit on concrete columns above the foundation slab. They isolate the floors above from the effects of any lateral, or sideways, ground movement during an earthquake. The Acute Services Building is being constructed to an Importance Level 4 (IL4) standard. This is the highest safety rating a public building can have.

Our base isolators were constructed in Malaysia. A sample was sent to Italy for testing before the

rest were shipped from Malaysia to New Zealand. The sample testing involves bolting selected base isolators into a rig that simulates an earthquake and the associated stresses and loads. Creating safe environments for our staff, patients and visitors is a priority.

As construction teams do their work, planning continues at both sites for how we will prepare and deliver all the services that will move into these centres. My thanks to everyone involved in the workstreams and making other contributions. The teams are working long hours, much of it over and above their everyday roles.

Thank you all.

David Meates
CEO CDHB



Fast Fact

There are 229 precast concrete columns in the new Burwood Hospital buildings.

IT'S ALL HAPPENING



BURWOOD HOSPITAL



Work is progressing quickly on Burwood Hospital's new ward blocks and the Older Person's Mental Health wing with the building scheduled to open in the middle of 2016. This is a view of the main entrance.

WHAT'S HAPPENING AT BURWOOD HOSPITAL

Bringing it all together

In some of the rooms the medical services panels are installed, hoists fitted, and floor vinyl laid – all that's missing are beds, staff and patients.

This is an example of the new signage:



There is, however, a lot of work that still needs to occur before that can happen – including fully finishing and commissioning the new facilities, planning the move and staff training.

New electronic systems aim to minimise paper records, centralise scheduling and booking.

Wayfinding and 'patient flow' groups are looking at how to improve the patient and visitor experience at our hospital campuses. New look signage has been agreed and has been introduced at Kaikoura Health Te Hā o Te Ora.

Wayfinding is not simply about putting up signs. As well as meeting international standards, it has to be welcoming, clear and non-ambiguous. Working with experts in the field, Canterbury DHB has decided on a new palette of colours (drawn from nature), a clear new font and a new hierarchy of sign types.



Just add heat

Two new boilers for the Burwood campus are now in place. The Austrian-made high-tech biomass boilers produce steam for heating and hot water. They can burn wood waste with a high moisture content including forestry clearings – a much more environmentally friendly option than the old coal boilers that are well past their use-by date. The hospital will also have an additional diesel back-up generator to enable the boiler house to run during power outages.

Keeping it simple

To help patients identify and remember their allocated room, the medical services panels in the rooms, are in a range of five different colours – green, blue, yellow, red and grey.



A sample of some of the colourful medical services panels in the new Burwood Hospital

CHRISTCHURCH HOSPITAL



The foundation slab of the new Acute Services building at Christchurch Hospital takes shape as the countdown to the final concrete pour continues.

WHAT'S HAPPENING AT CHRISTCHURCH HOSPITAL



Laying the slab

By the end of November, Fletcher Construction will have finished the massive task of pouring more than 15,700m³ of concrete to create the foundations for the ASB.

The job was completed over nine different pours, including one which topped the record books as the South Island's biggest continuous pour ever by a single contractor. A whopping 2200m³ of concrete was poured over 12 hours hours between 1am on Friday night to lunch time on Saturday. There is an impressive 2300 tonnes of reinforcing steel incorporated into the foundation base.

Outpatients on the go

Progress on a new Outpatients building on the Christchurch campus is underway with the design team meeting User Groups to plan the general layout of the building. CCM Architects (Designers) and Johnstaff NZ (Project Managers) were appointed for the design services and project management development of the Outpatients facility respectively following an open procurement process. The new Outpatients facility will be part of the Health Precinct and is expected to be completed in 2017.

Fast Fact

Keeping steady - In the Acute Services Building, 129 base isolators will be placed between the building's foundation and ground floor concrete slabs. The idea of base isolation is not new. The Temple of Cyrus in Iran is said to be the oldest base isolated building in the world. It was built in 550 BC, using a foundation of layers of polished smooth stones (called orthostats) designed to slide over each other in the event of an earthquake.

Acute Services Building detailed design

The design team has been updating User Groups on various aspects of the building. This includes doors and windows, joinery and lighting plans. Concepts for the interior finishes have been developed. The designers have drawn on inspiration from the park and are using a colour scheme reflective of nature and birdlife. Feather motifs are symbolic of new beginnings.



Cooks Pip Seddon and Chris Rowe prepare dinners for Meals on Wheels on their first day in the new kitchen at Kaikoura Health Te Hā o Te Ora.

RANGIORA HEALTH HUB OPEN DAY

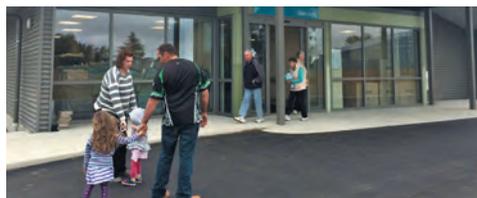
An open day at Rangiora Health Hub proved a hit with the local community as hundreds of people turned out to see the new centre. CDHB staff and Friends of the Hospital volunteers led tours of the facility.

Built at a cost of \$7 million, the new hub will initially provide birthing and post-natal maternity facilities. The building includes two birthing rooms and 12 post-natal rooms, two of which are bigger and equipped with medical gasses so they can also be used as birthing rooms. The birthing rooms will feature a host of modern birthing equipment, including birthing couches and pools, monkey bars and fixtures for slings and ropes. The facility also includes four assessment (clinic) rooms, four flexi beds and a kitchen catering for patient meals and Meals on Wheels.

Plans for the old hospital building are yet to be decided. There will be an interim period of at least two years during which both the old and new facility will be used to form the Rangiora Health Hub, with mental health and aged care services, among others, providing outreach services.



Bootees on sale for new mums.



Open Day at the new main entrance to the Rangiora Health Hub, October 2015.

BIG MOVE FOR KAIKOURA HEALTH

For the humpbacks in Kaikoura bay, migration is business as usual. For the health services staff on the hill in the township however it's a brand-new experience – they haven't had to move anywhere since 1912.

But over the course of a week in September, staff and patients shifted from the old hospital into their brand new facilities - Kaikoura Health Te Hā o Te Ora.

The move went smoothly, ensuring staff and patients settled into their new environment.

The new \$13.4 million facility provides the community with a bright, modern environment for primary care, aged care, acute care, maternity care, radiology services, children's dental services, physiotherapy services, Public Health/Well Child service, Optometrist services and trauma stabilisation.



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