

Newsfeed No. 54

January 2024



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Another year of milestones ahead

With the new year comes significant progress on the Randwick Campus Redevelopment site.

Construction is progressing quickly on the Sydney Children's Hospital Stage 1 and Minderoo Children's Comprehensive Cancer Centre, as well as the adjacent UNSW Health Translation Hub building, and it won't be long before we celebrate both structures reaching their full height. The significant milestones will be followed by a transition from daily concrete pours to façade installation and internal fit-out.

At the same time, continued activity within the new Acute Services Building and UNSW Eastern Extension will see the opening of new inpatient units and dedicated research and education spaces in coming months.

We look forward to continuing to share monthly updates on these transformative projects that are shaping the future of healthcare in our community and beyond.

Be sure to keep an eye on your inbox during February for the *Community Update 2024*, which celebrates progress to date and includes a sneak peek of upcoming milestones for each of the Randwick Campus Redevelopment projects.



Learn more

Check out our [interactive map](#) for the latest information on construction activities across campus, or to learn more about each of the projects being delivered as part of the Randwick Campus Redevelopment.



For more information:

 randwickcampusredevelopment.health.nsw.gov.au

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Thriving with new and innovative models of care

It's been almost a year since the Community Management Centre (CMC) moved into the new Prince of Wales Hospital (PoWH) Acute Services Building (ASB), and the team is making a huge difference.

Emerging during the challenging time of the COVID-19 pandemic, the South Eastern Sydney Local Health District service, hosted by PoWH, began as a way to care for COVID-19 patients in the community.

Managing patients since 2021, the CMC team have become experts in the hybrid nature of their work, expanding the service in March 2023 to include Heartlink – a heart failure patient service.

A hybrid model of virtual monitoring and face-to-face care, the team consists of nurses, doctors and remote patient monitoring officers to build individual care plans for each patient.

From the comfort of their home, the patient completes their heart reading and enters it into the online software, which they have been taught to use during their initial consult.

CMC Acting Nurse Manager, Francis Nicolas said the transition into the ASB was a positive one.

“The move was entirely smooth sailing, with no interruption to patient care, and the new space continues to be beneficial every day.”

The CMC service is delivered by a small yet dynamic team, offering a range of different skill sets and experience.

All are enjoying their new home in the ASB!



Members of the CMC team in their ASB space



Evening participants at the Twenty Four Hour Tea Break

Precinct placemaking

A pop-up event held in December provided frontline health workers across the campus with an opportunity for respite, food, music and conversation through all hours of their shift.

Hosted outside Prince of Wales Hospital's Barker Street entrance, hundreds of clinicians and hospital support staff took part in the 'Twenty Four Hour Tea Break' – a precinct-first initiative supported by Transport for NSW as part of the Safer Cities Program.

This partnership is enabling the precinct team to reshape, co-design and create more inviting spaces that bring communities together and support women, girls and gender diverse people to feel safer, during the day and night.

The initiative provided a space for discussion, consultation and co-design with commissioned artist Lauren Brincat to inform a future project in April – stay tuned!



Campus staff and community enjoying the event

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Inside the future SCH1/MCCCC...

This year will see significant progress on the Sydney Children's Hospital Stage 1 and Minderoo Children's Comprehensive Cancer Centre (SCH1/MCCCC) construction site, with the building expected to reach its full height in coming months.

As at late January, the north and south lift cores and stairwells have been completed to height, and concrete slab pouring has progressed to Level 7. Service installations and wall construction are ongoing within the lower levels, alongside partition framing.

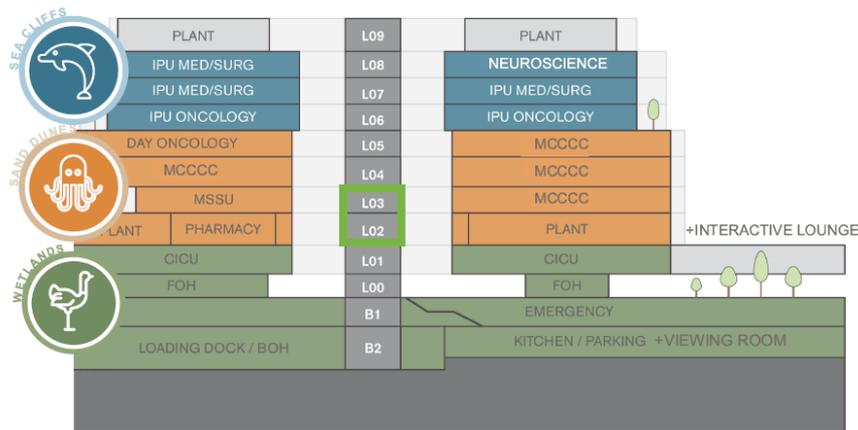
Across the next few editions of Newsfeed, we'll continue to give you an insight into which clinical services and facilities each floor will be home to upon construction completion in 2025. You can check out [previous editions](#) for information about the lower levels...

Level 02:

This level will be home to the new general pharmacy, which will feature a dedicated paediatric and oncology pharmacy with a consult room to facilitate medication support and education. The pharmacy space will include future-proofing for a pharmacy robot, along with aseptic, biological and cytotoxic suites.

Level 2 will also accommodate flexible workspaces, staff collaboration areas and meeting rooms for hospital staff.

There will be two external link bridges on this level – one connecting to the existing children's hospital building and the other to the adjacent UNSW Health Translation Hub (HTH) building.



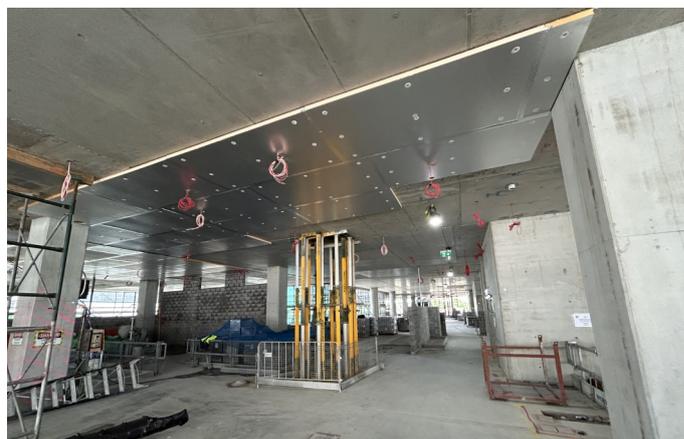
Stacking diagram of SCH1/MCCCC building

Level 03:

Level 3 will house the first floor of Minderoo Children's Comprehensive Cancer Centre (MCCCC) research laboratories, along with workspaces for staff and access to the HTH link bridge, enabling seamless physical and working integration between the hospital, research centre and UNSW.

The Medical Short Stay Unit (MSSU) will also be based on this level, supporting acute patients with an expected length of stay under 72 hours.

Starlight Children's Foundation's 'Starlight Room' will be established on this floor and include a performance area, outdoor terrace, kitchen facilities and technology to broadcast directly to the bedside.



Left:
Level 2
construction
progress



Right:
Level 3
construction
progress

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Engineering solutions for clinical care

From mid-2024, UNSW researchers and students will work alongside the clinical community in the Randwick Health & Innovation Precinct to help discover unmet clinical needs and design innovative solutions to improve patient outcomes.

In the integrated eastern extension of the Acute Services Building (ASB), UNSW will house state-of-the-art research, clinical innovation, biomedical and teaching facilities.

With three dedicated biomedical engineering floors led by UNSW's Tyree Foundation Institute of Health Engineering (IHealthE), spaces will inspire prototyping partnerships, with researchers and clinicians working side-by-side to create technology solutions for diagnosis, treatment and prevention of a wide range of conditions.

Researchers and clinicians will work across the three floors fluidly, feeding back information between the spaces as ideas, prototyping and data analysis progress.

On level one, a dry clinical prototyping lab will help inspire researchers and clinicians to co-design medical technology like diagnostic devices, implants, catheters and surgical robots. The space will include a training facility for procedures like vascular surgery.

The floor will be designed with small and flexible meeting rooms where technologists can work with clinicians to discuss their challenges and pain points, assess them and design solutions.



3D printing of cochlea models

Being co-located with operating theatres, clinicians will have direct access to explore and innovate solutions, working with researchers on presurgical planning by imaging and then bioprinting physical anatomy, supporting personalised and patient-centric approaches to care.



Hyperspectral imaging being conducted by researchers

On the second level, bioengineering spaces will enable the manufacturing of the clinical solutions identified on the floor below.

Here biomedical engineers will use cutting, drilling and sewing machines, bioprinters and other engineering devices to rapidly build prototypes. Researchers will work directly with clinicians iteratively to develop solutions in real-time.

With a biospecimen laboratory next door, researchers and clinicians will have access to tissue specimens, allowing them to create 3D tissue and disease models using ethically sourced samples from patients. This enables a health team to tailor personal interventions, improving care, interventions and health outcomes.

On level three, researchers will bring ethically sourced information and medical technology together to support patients through sensors, devices and the generation of data. Researchers will work directly with the ASB's Community Management Centre, focusing on supporting the hospital's strong tele-clinical, virtual care and remote monitoring capabilities.

UNSW's Gemma Ashton, IHealthE's Chief Operation Officer, has worked on the design of the spaces and believes co-location with the hospital will enable practical, needs-based research.

"By building trust and meaningful relationships, we'll be able to better collaborate and understand the needs of our clinical partners. It will be so helpful to work directly with clinicians to identify their needs, but then actually produce prototypes to accelerate the translation for a patient's benefit," she said.

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Out and about with the redevelopment project teams...

From engagement activities to site visits, there's always something happening across our project sites!



National Aboriginal Design Agency and Sydney Children's Hospitals Foundation recently partnered to host a vision workshop with young hospital patients.

The outcomes of the initiative will help shape the exterior façade design of the future link bridge between the new children's hospital building and the Prince of Wales Hospital Acute Services Building (ASB).

Inspired by the Dreamtime stories of Aunty Lola (pictured above), the design will incorporate the local Aboriginal totem of Buriburi, complementing existing arts components of the ASB and the proposed design of the future outdoor play space to be delivered as part of the new children's hospital project.

We look forward to sharing the final design drawings with you in a future edition!



Sydney Children's Hospital Corporate Services Manager, Owen Patterson, recently caught up with vibrant hospital supporter, Fairy Sparkle, in the children's hospital Fairy Garden.

The two went over plans for the future link bridge that will connect the new building to the existing hospital.



A group of Sydney Children's Hospital staff visited the construction site during January to check out progress on Level 00.

As the ground level floor of the building, this will be the future home of the hospital's reception area and 'Front of House' – the first space that staff and visitors will encounter on entry.

A welcoming and dynamic space, the new main entrance will combine intuitive wayfinding with interactive technology and house admissions and check-in, retail spaces, a Discovery Centre, a dedicated Aboriginal gathering space, along with a multi-purpose entertainment area and seating.



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SEMINAR SERIES

MIND THE GAP

FROM **IDEAS** TO SOLUTIONS
FOR **HEALTHCARE**



RANDWICK HEALTH &
INNOVATION PRECINCT

The future of lifelong health

SAVE THE DATE: *The future of healthcare, Wednesday 14 February*

Randwick Health & Innovation Precinct (RHIP) invites you to attend the next instalment of its **Mind the Gap** seminar series.

This thought-provoking series explores how, collectively, we can identify unmet clinical needs in our health system and create innovative solutions to address those needs.

The future of healthcare event will bring together some of the brightest minds from health services, government, industry and academia to discuss healthcare innovation and the role of health and innovation precincts as an agency of collaboration and sustainable development.

Hear from keynote speaker Professor Michael Kidd AO FAHMS (pictured), Director of [UNSW's Centre for Future Health Systems](#) and former Deputy Chief Medical Officer for the Department of Health and Aged Care, along with a panel of esteemed experts.

Speakers will explore how healthcare providers, government, the biotech industry and public research institutions can work together to improve health systems, save spiralling health budgets and support all forms of health innovation.

Unpack how advances in health technology and precinct partnerships can address the health challenges of the future and support the growth of Australia's medical science industry.



If you're interested in healthcare innovation and want to know more about the challenges and opportunities that lie ahead, don't miss it!

When: Wednesday 14 February, 3.30pm - 5.30pm

Where: Leighton Hall, UNSW Sydney
[John Niland Scientia Building \(G19\)](#)

REGISTER [HERE](#) TO SECURE YOUR PLACE

Learn more about RHIP's partners, purpose and impact at [rhip.org.au](#), and if you haven't already, follow RHIP on [LinkedIn](#), [Twitter](#), and [YouTube](#) to keep up to date with what's happening across the Precinct.

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