

# Central Adelaide Local Health Network Research Strategy 2022-2027

## A summary of CALHN's draft research strategy

As we seek to shape the future of health with world-class care and world-class research, this draft strategy sets the overall direction and actions that will drive CALHN's research over the next 5 years. It also aligns with our vision as a global leader in health-related research and health care. It will also build scale, promote collaboration both within our organisation and with partners, and help develop commercialisation at CALHN.

### Research will expand our world-class clinical flagships

Driven by research, we will further advance our capabilities as a national healthcare leader, delivering and investing in a suite of specialist complex care, described as 'research flagships'.

#### Comprehensive Cancer Centre

The Bragg Comprehensive Cancer Centre (BCCC) will be the coordination headquarters for cancer research and form part of a federated National Comprehensive Cancer Centres Network, giving our local community the benefits of national collaboration.

#### Surgical and transplantation excellence

We will investigate improvements to diagnosis and treatment of head and neck cancers, collaborating with our research and education partners.

CALHN will also elevate our status to a national and global leader of life-saving transplant services from pre-admission counselling to post-transplant outpatient care delivered in collaboration with research and academic partners.

#### Personalised medicine and patient-focused care

We will support our chronic disease-management disciplines to innovate in the field of personalised medicine and deliver increasingly effective and complex drug-based therapies for immune-mediated diseases.

#### Excellence in Aboriginal health

A Centre of Excellence for Aboriginal Health will bring together the best Aboriginal researchers, health practitioners and educators to create the environment required to re-think health systems in South Australia and translate Aboriginal knowledge into new practices.

#### AIML-Health centre for intelligent health solutions

With the Australian Institute for Machine Learning (AIML), CALHN will combine superior algorithm development capabilities with the vast data-repositories with our organisation, to create AIML-Health. This centre will have sufficient critical mass to attract funding from a broad range of sources.

#### Healthy ageing

Research undertaken at our Centre for Healthy Ageing will facilitate and enhance our existing strengths in understanding genetic and epigenetic determinants of health, cardio-metabolic health, cancer, ageing and frailty, and the social/environmental influencers of disease that affect our population.

## Action areas

The following actions will enable us to deliver on our research strategy and ambitions.

### Collaboration and partnership

CALHN aims to deliver high-quality research, medical education and clinical care by leveraging valued partnerships such as Adelaide Bio-Med City (ABMC) precinct and the Adelaide Health Innovation Partnership (AHIP).

### Clinical trials and treatment innovation

The Adelaide Clinical Trials Network (ACTN) will assist improvements such as standardising the patient pre-consent process, recruiting research participants into clinical trials, and implementing clinical investigator training.

As a dedicated centre of clinical epidemiology, Adelaide EpiCentre will provide state-of-the-art health informatics and biostatistics, health economics, and epidemiology leadership.

### Data, informatics and convergence science

Collaboration with the Australian Institute for Machine Learning (AIML) will identify data-based solutions to big health problems.

We will investigate how to use SA Health's electronic patient medical record (EMR) to inform real-time clinical decision-making, as well as new clinical applications, medicines, devices and diagnostics.

### World-class leadership

Establishing the new Learning Innovation and Leadership Institute (LILI) will assist us to find and nurture the next generation of research leaders along with joint hospital-university appointments and affiliations, mentoring of early and mid-career clinician researchers as well as dedicated training and quarantined 'research' time for clinician researchers.

### Innovation and commercialisation

Through CALHN's commercial partner, AusHealth, researchers will be supported to develop life-changing innovations leading to investment and CALHN capability improvements. We will educate our researchers to identify beneficial opportunities and protect our intellectual property.

### Stakeholder engagement and communication

A new high-functioning Research Services Office will boost research support and efficiency on matters such as ethics approvals and governance processes, grant submissions and management, as well as biostatistics and epidemiological support functions.

CALHN will host events to engage the public, industry stakeholders and other researchers and produce videos and podcasts to highlight our research to national and international audiences

## For more information

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