

# Annual Report

Australian Centre  
for Health Services  
Innovation  
2022







IMAGES: AusHSI Higher Degree Research students, academic and professional staff



# AusHSI Annual Report 2022

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Bringing health  
innovation to life



# Director's Overview

AusHSI continued to deliver transformative research projects and programs in 2022, supporting health services to implement better healthcare, with greater efficiencies, to bring about the greatest benefit for our communities.

We embarked on some exciting new projects, including a five-year evaluation of the MRFF-funded Australian Teletrials Program, and an evaluation of the national Program of Assistance for Survivors of Torture and Trauma. We were also excited to learn that the NHMRC has awarded funding for our NAVICARE partnership, a co-designed project improving and expanding access to mental health services in regional and remote communities in the Bowen Basin.

Another highlight was continuing to see real-world knowledge and insight generation from our higher degree research students as we strive to build strong health services research capacity. In addition to new academic and professional staff, AusHSI welcomed ten new PhD students. We were also able to continue our capacity building efforts through short courses, including Cost Effectiveness Analysis and Health Statistics. It was great being able to deliver our courses face to face again, as well as reconnecting with colleagues and the health services community in-person through scientific meetings and conferences in 2022.

It was also great to see strong engagement with the educational materials and resources developed as part of the EDDIE+ study to support nursing and care staff in residential aged care homes to better detect residents in early stages of deterioration. Our work seeking to produce practical insights regarding consumer preferences, including using discrete choice experiments, also continued to increase in scale and scope as we seek to ensure that consumer voices are represented in healthcare resource allocation decision-making.

We continued to witness first-hand the effects of many challenges facing healthcare organisations this year, including increasing demand for health services in the context of constrained resourcing environments. Alongside this, our community expectations continued to change in the direction of desiring immediate access to the latest and most advanced healthcare interventions and technologies. This again highlighted the importance of ongoing efforts to improve the quality and value of healthcare provision, and to ensure we evaluate the implementation of promising new solutions to ensure good decisions are made regarding how we use funding for health services.

Here at AusHSI, we remain committed to building strong and trusted partnerships to improve health service delivery. We help our partners create smart and practical improvements in the quality and value of healthcare for our community. We look forward to continuing to partner with healthcare organisations to bring health innovation to life in real-world settings in 2023.

**Professor Steven McPhail**  
Centre Director  
Strength Lead - Health Economics and Program Lead - Digital Health



# Our Unique Approach

The Australian Centre for Health Services Innovation is a renowned health services research organisation with an unwavering commitment to improving the quality and value of healthcare services.

Our approach is based on a unique model. Its foundations are critical to our success and underpin the way we do things. These set out our fundamental principles and processes.

By combining leading-edge research knowledge with hands on experience, we generate practical insights and independent guidance on how to identify, implement and evaluate innovation for real life health practice problems.



## Transdisciplinary

Our team comprises a diverse range of disciplines. Working jointly together, we combine and apply our different perspectives and methodologies to create translational innovations that address a defined problem.

## Holistic Thinking

With our broad system-level knowledge, we take a big-picture view and are able to solve complex problems. We join the dots and work across silos to create improvements. We see the connections and broader constraints because we know how to drive impact and change.

## Active Partnerships

We build and facilitate strong and active partnerships and openly share our expertise, strengthening capacity and performance. All our research is co-designed with clinicians, health service providers and consumers. We listen to the why and seek to fully understand the issues at play. In this way, together, we are able to achieve more meaningful outcomes.

## Research Rigour

In the rigorous, impartial pursuit of knowledge, we consider all angles and perspectives. We apply our unique mix of leading-edge knowledge to conduct high-quality and high-impact projects that are objective, methodical, and above all, evidence-based. For transparency and accessibility, we seek to share our research methods, data and analysis.

## Clinically Driven

We have a deep understanding of the healthcare environment, its demands and challenges. We apply insights in a meaningful way to fit the context. Many of our people are clinicians. With our shared experience, we understand how to successfully implement changes to the healthcare system because we know what is – and is not – relevant

# Our Team

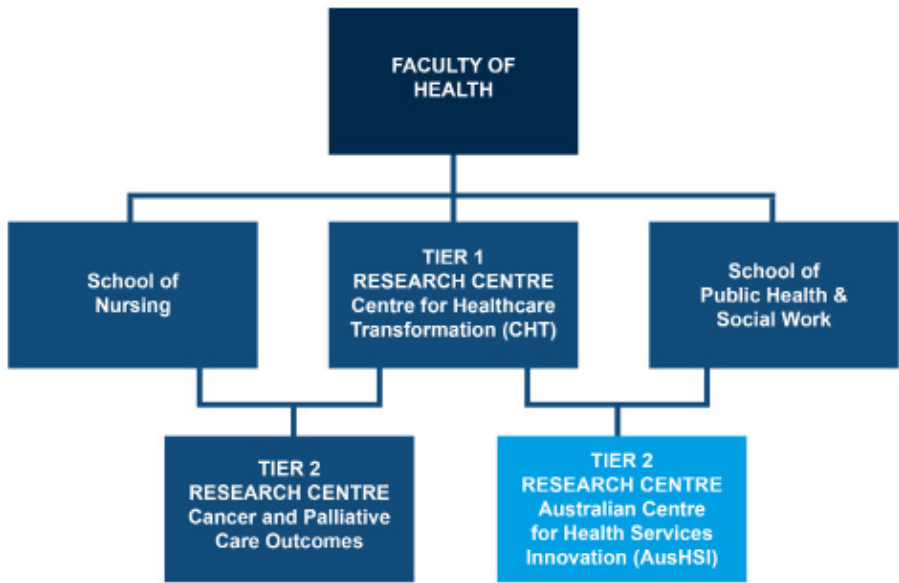
Leadership Team	
Prof Steven McPhail	Centre Director/Strength Lead – Health Economics, Program Lead – Digital Health
Ms Megan Campbell	Operations Director
Prof Will Parsonage	Clinical Director/Program Lead – Cardiac
Strength / Program Leads	
Prof Adrian Barnett	Strength Lead – Statistics and Data Analysis
Prof Anne Chang AM	Program Lead – Respiratory
Prof Gill Harvey	Strength Lead – Implementation
Prof Kirsten Vallmuur	Program Lead – Trauma
Dr Zephania Tyack	Program Co-Lead – Hospital Services
Dr Hannah Carter	Program Co-Lead – Hospital Services
Dr Nicole White	Program Lead – Infectious Disease
Dr Bridget Abell	Program Lead – Community Health
Academic Team	
Dr Michelle Allen	Research Fellow – Implementation Science
Dr David Borg	Research Fellow – Statistics
Dr David Brain	Senior Research Fellow – Health Economics
Dr Wendell Cockshaw	Senior Research Fellow – Statistics
Dr Susanna Cramb	Senior Research Fellow – Statistics
Dr Kamila Davidson	Research Associate – Implementation Science
Dr Jo Durham	Senior Lecturer – Health Management
A/Prof Jaimi Greenslade	Principal Research Fellow – Value-based care
Dr Ruvini Hettiarachchi	Research Associate – Health Economics
A/Prof Reece Hinchcliff	Associate Professor/Deputy Discipline Lead – Health Management
Dr Amarzaya Jadambaa	Research Assistant
A/Prof Sanjeewa Kularatna	Principal Research Fellow – Health Economics
Dr Kathryn Kynoch	Senior Lecturer – Health Services Innovation

Academic Team (continued)	
A/Prof Peter Lazzarini	Conjoint Research Fellow QUT and Queensland Health
A/Prof Julie Marchant	Principal Research Fellow – Respiratory
Dr Victoria McCreanor	Research Fellow – Health Economics
Dr Margaret McElrea	Research Manager & Research Fellow – Respiratory
Dr Sundresan Naicker	Research Fellow – Implementation Science
Dr David Rodwell	Research Associate – Implementation Science
Dr Alexia Rohde	Senior Lecturer – Health Services Innovation
Prof Michael Schuetz	Director, Jamieson Trauma Institute
Dr Sameera Jayan Senanayake	Research Fellow – Health Economics
A/Prof Amina Tariq	Associate Professor – Digital Health
Dr Sam Toloo Sheikhzadeh Yazd	Lecturer – Health Management
A/Prof Angela Watson	Principal Research Fellow – Road Safety Data and Data Linkage
Dr Qing Xia	Research Fellow (Quantitative) – Health Economics
A/Prof Stephanie Yerkovich	Principal Research Fellow – Respiratory
Research Support Team	
Ms Alison Farrington	Research Project Manager
Mr Christopher Aitken	Nurse Educator
Ms Christine Brown	Research Project Coordinator
Ms Sian Conway Lamb	Marketing and Communications Officer
Ms Jenna English	Project Coordinator
Ms Helen McKenzie	Research Project Officer
Ms Jo Preston	Senior Project Officer
Ms Carla Shield	Research Coordinator
Mrs Ruth Tulleners	Senior Research Assistant
Mrs Jo-Anne Ward	Executive Assistant

Adjuncts	
Prof Leonie Calloway	Adjunct Professor, Metro North Health
Prof Cate Cameron	Adjunct Professor, Metro South Health
A/Prof Tina Cockburn	Co-Director, Australian Centre for Health Law Research, QUT
Prof. Louise Cullen	Pre-Eminent Staff Specialist in Emergency Medicine, Emergency and Trauma Centre, Royal Brisbane and Women's Hospital (RBWH)
Emeritus Prof. Gerard Fitzgerald	Professor, QUT School of Public Health and Social Work
Prof John Fraser	Director, Critical Care Research Group, University of Queensland & The Prince Charles Hospital
Prof Nicholas Graves	Deputy Director, Program in Health Services & Systems Research, Duke-NUS Singapore
A/Prof Lisa Hall	Director, Teaching and Learning & Associate Professor in Epidemiology, University of Queensland
Prof Sandra Hayes	Professor, QUT School of Public Health and Social Work
Prof Monika Janda	Centre Director, Centre for Health Services Research, University of Queensland

Adjuncts (continued)	
A/Prof Sankalp Khanna	Principal Research Scientist, CSIRO Australian e-Health Research Centre
A/Prof Roman Kislov	Reader (A/Prof), Organisation Studies, Manchester Metropolitan University
Prof Alison Kitson	Vice-President and Executive Dean, College of Nursing and Health Sciences, Flinders University
Prof Alison Mudge	Director, Research and Education in Internal Medicine and Aged Care, Royal Brisbane and Women's Hospital
A/Prof Kerry-Ann O'Grady	Senior Research Coordinator, QoVAX SET Program, Metro North Health
Prof Adam Scott	Adjunct Professor, Metro North Health
Prof Ian Scott	Director, Department of Internal Medicine and Clinical Epidemiology, Princess Alexandra Hospital
Prof Clair Sullivan	Queensland Digital Health Research Network, Centre for Health Services Research, University of Queensland
Prof Malcolm Thatcher	Chief Technology Officer, Australian Digital Health Agency
A/Prof Jin Hwan Yoon	Senior Research Scientist, CSIRO

## Organisational Structure – Research Centres





# Research & Consultancy



## Overview

### Research Strengths

AushSI is one of the only health services research groups in Australia to combine health economics, implementation science, statistics and data analysis. With this knowledge, we seek out smart and practical ways to create improvements to the broad range of systems, structure and processes involved with the delivery of better healthcare.



Health Economics



Implementation Science



Statistics and Data Analysis

### Partnerships

All of our projects are delivered in partnership with health service providers, and many are funded by competitive grants. It is by building strong and diverse partnerships that we grow capacity and opportunities for innovation and improvements in health service delivery, closing the gap between research and practice.

Our industry partners include federal and state health departments, hospital and health services, peak bodies, research foundations, aged and community services and policy institutes.



## Research Highlights 2022

2022 was a successful year for research funding at AushSI. Chief Investigators across the Centre were awarded 35 new projects and externally funded scholarships worth \$9,638,378. This included competitive research grants from the MRFF, NHMRC, Children's Hospital Foundation and Lung Foundation Australia; as well as commercial research and consultancy projects from MTPConnect, ARC, Siemens Healthcare Diagnostics, Queensland Health and the Department of Health and Aged Care.

See **Appendix 2** for a list of AushSI's newly awarded projects in 2022, and **Appendix 3** for ongoing and completed projects in 2022.

### Publication Highlights

See **Appendix 1** for a full list of AushSI publications for 2022

Venovenous extracorporeal membrane oxygenation in patients with acute covid-19 associated respiratory failure: comparative effectiveness study. Urner, M., Barnett, A. G., Bassi, G. L., Brodie, D., Dalton, H. J., Ferguson, N. D., Heinsar, S., Hodgson, C. L., Peek, G., Shekar, K., Suen, J. Y., Fraser, J. F., Fan, E., & Investigators, C.-C. C. C. (2022). *BMJ*, 377, e068723. <https://doi.org/10.1136/bmj-2021-068723>.

Cough hypersensitivity and chronic cough. Chung, K. F., McGarvey, L., Song, W. J., Chang, A. B., Lai, K., Canning, B. J., Birring, S. S., Smith, J. A., & Mazzone, S. B. (2022). *Nat Rev Dis Primers*, 8(1), 45. <https://doi.org/10.1038/s41572-022-00370-w>

European Respiratory Society statement for defining respiratory exacerbations in children and adolescents with bronchiectasis for clinical trials. Chang, A. B., Zacharasiewicz, A., Goyal, V., Boyd, J., Alexopoulou, E., Aliberti, S., Bell, L., Bush, A., Claydon, A., Constant, C., Fortescue, R., Hill, A. T., Karadag, B., Powell, Z., Wilson, C., Grimwood, K., Kantar, A., other members of Child, B.-N., Chalmers, J., Collaro, A., Douros, K., Griesse, M., Grigg, J., Hector, A., Mazulov, O., Midulla, F., Moller, A., Proesmans, M., & Yerkovich, S. (2022). *Eur Respir J*, 60(5). <https://doi.org/10.1183/13993003.00300-2022>

The comparative mortality of an elite group in the long run of history: an observational analysis of politicians from 11 countries. Clarke, P. M., Tran-Duy, A., Roope, L. S. J., Stiles, J. A., & Barnett, A. G. (2022). *Eur J Epidemiol*, 37(9), 891-899. <https://doi.org/10.1007/s10654-022-00885-2>

A scoping review of real-time automated clinical deterioration alerts and evidence of impacts on hospitalised patient outcomes. Blythe, R., Parsons, R., White, N. M., Cook, D., & McPhail, S. (2022). *BMJ Qual Saf*, 31(10), 725-734. <https://doi.org/10.1136/bmjqs-2021-014527>

Altmetrics  
News  
Social Media  
Blogs



Type of publication	Number
Article	170
Case Report	1
Editorial	2
Comment	1

Type of publication	Number
Letter	4
Note	1
Review	7

Type of publication	Number
Book report	1
Study protocol	1
<b>Grand Total</b>	<b>189</b>



# Research Programs in Focus

## Programs

Our program areas cover a range of clinical and healthcare systems reflecting our multidisciplinary approach and breadth of engagement across the healthcare sector. We apply our methodological strengths in health economics, implementation, and statistics across each of our program areas.



Hospital Services



Cardiac



Digital Health



Respiratory



Trauma



Infectious Disease



Community Health

This section highlights new and ongoing research projects from each of our Programs, and key research leads. AusHSI researchers worked across more than 90 active projects in 2022. The following section highlights a small selection of new and ongoing research projects from each of our Programs, and key research leads. See Appendix 3 for the full list of AusHSI's ongoing projects.

## DIGITAL HEALTH

### Applying Experienced-Based Co-Design (EBCD) principles to improve digital health demand management processes in a large metropolitan multi-hospital health service

**Program Leads:** Prof Steven McPhail, Dr Shane Black, Dr Sundresan Naicker, A/Prof Amina Tariq

**Background:** The digitisation of healthcare services provides transformation opportunities, but poses challenges for managing digital health demands and portfolios in an evolving healthcare landscape. This study applied Experienced-Based Co-Design (EBCD) principles and an embedded implementation technology framework to improve digital health and informatics demand management processes in a multi-hospital healthcare system.

**Methods:** The research identified barriers and facilitators within the existing demand management system, proposed strategies to address these challenges, and engaged in a collaborative co-design process with stakeholders to improve and optimise this process. A multi-method qualitative approach aligning with EBDC principles was used. This included face to face interviews, co-design sessions and key stakeholder discussions. Framework analysis (Non-adoption, Abandonment, Scale-up, Spread, Sustainability) was used to identify barriers and enablers associated with baseline practices. Prototyping was iterative using feedback for continuous improvement with ongoing monitoring.

**Outcomes:** This work is expected to optimise the development and delivery of key digital health services within the health system. For consumers, this may lead to more efficient, sustainable, and robust digital health innovations to address ongoing and emerging needs.



**Sundresan Naicker** is an Implementation Science Research Fellow and an Honorary Senior Research Fellow with Neuroscience Research Australia (NeuRA), UNSW. He has spent over a decade coordinating, managing, developing, and leading complex multi-disciplinary multi-partner health services research projects across all areas of the health system.

Sunny's research at AusHSI focuses on developing evidence-based implementation solutions using a complex system lens to improve service delivery and patient outcomes within the health system at large.

## HOSPITAL SERVICES

### High value care in hospitals and health services

**Program Lead:** Dr Zephania Tyack

**Researchers:** Prof Steven McPhail, Dr Hannah Carter, Dr Michelle Allen, Dr Sameera Senanayake

**Background:** It has been estimated that 10 to 30 percent of healthcare worldwide is wasteful, of little or no value, or harmful to patients. Using scarce resources to deliver low value care is an important health system concern, as resources used for that care could be allocated to care associated with greater benefit.

**Methods:** The research seeks to explore the value of care and how and why low value of care happens in major public hospitals. It seeks to design processes to identify and address the value of care, and develop a conceptual theory and process to guide policy, research and clinical practice.

**Findings:** The project resulted in the development of a process and conceptual theory for moving towards higher value care in major public hospitals based on interviews with 40 hospital staff. Clinical recommendations derived from the interviews covered fostering critical thinking, feedback at all levels of the hospital system, and devising innovative ways of working involving teams.

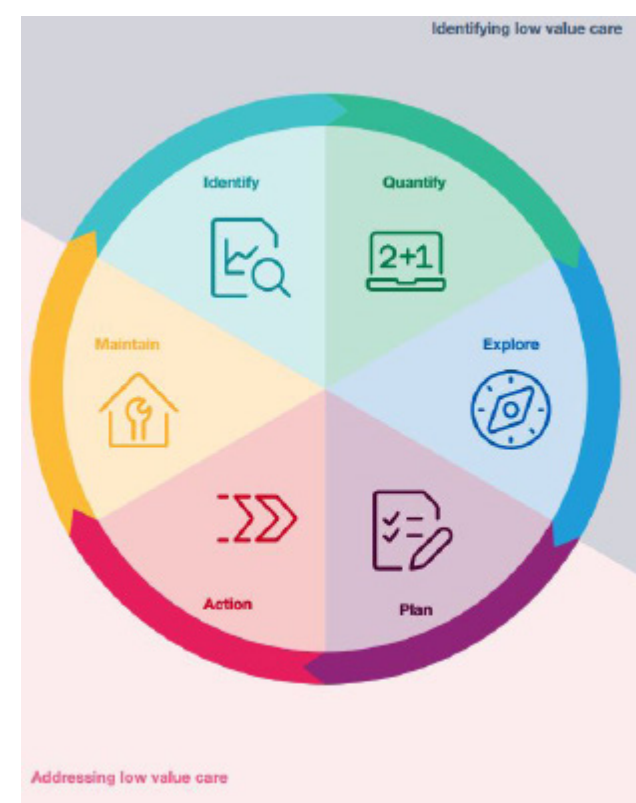
A toolkit has been developed in partnership with Health Translation Queensland to support staff in hospitals and health services to optimise the value of care provided to patients. The free toolkit includes multiple strategies and key questions clinical teams can ask themselves to help identify and reduce low value care in hospitals and support better clinical practice.



**Zephania Tyack** is a health services researcher and implementation scientist at AusHSI. She has a background as a clinical occupational therapist and has worked in research-related positions in hospital and health services and universities.

Using qualitative research and implementation science, Zephania strives to better understand how interventions work in real world settings and the outcomes that are most meaningful to patients and clinicians. Zephania currently conducts research in the areas of burn rehabilitation, mental health, low value care, cardiac rehabilitation, measurement-based care, and trauma.

## Moving Towards High Value Care Toolkit



### Introduction

#### What is low value care?

Low value care in healthcare has been defined a few different ways. It can refer to any form of healthcare service which delivers little or no benefit, may cause patient harm, or yields marginal benefits at a disproportionately high cost (1). It can also refer to care that is inefficient, does not maximise a person's quality of life or that wastes time and resources (2). From a patient-centred care perspective, care that does not consider the patient perspective may be low value. Low value care may be best framed as moving towards high value care when introducing the concept to clinicians and managers.

When we refer in this document to healthcare services, we mean any health service delivery including practices, consumables, diagnostic tests and drugs.

#### Characteristics of low value care:

- **Harmful to patients:** This could be where there is a large adverse effect, or where there is a small risk of harm but the repeated or cumulative effects of harm are large.
- **Little or no clinical benefit:** This could be where there is little evidence of clinical efficacy considering the risk and target group. It may be that a practice is continued out of habit rather than being aligned with evidence particularly where guidelines and evidence has moved on.
- **Too expensive or burdensome to the hospital, clinician or patient:** This includes care that is high cost but low value. The cost should consider not only financial costs but also opportunity or social costs. The low value may only be from one perspective, for example the hospital perspective, as the clinician and patient may not be too concerned about cost, if they are not responsible for paying for the care or don't get reimbursement.
- **Misconception of value:** This includes services conducted either because clinicians are unaware of new guidance, the desire to do something instead of nothing, or when patient expectations are driving the low value care. For example, obtaining an antibiotic for a cough may be important to the patient even when it is caused by a virus and not susceptible to antibiotics.
- **Easier to access compared to alternatives:** Low value care may continue to be delivered for the simple reason that it is easy to access. For example, a less sensitive and less effective test might be readily available, whilst the alternatives are only found in certain settings.
- **Better alternatives available:** This is where low value care is delivered despite better alternatives being available including medications, tests, or dressings.
- **Over-treatment, under-use, misuse, waste:** This includes when an excess amount of treatment is provided (for example, 10 physio sessions when 5 sessions would be equally as effective) or undertaking treatment options that are not required. It also includes not delivering care that results in preventable complications, wrong doses or durations of treatment, or failure to provide care when a favourable outcome is likely.
- **Inefficient:** This includes care where time and resources are used poorly for example, accessibility of theatre lists, temporary staff with a lack of experience, equipment not available or accessible.
- **Doesn't consider patient preferences or the patient voice:** This includes care that doesn't prioritise maintaining or improving the patient's quality of life in line with their preferences (3) and where the patient experience is not optimised (2). For example, providing a treatment that aims to cure a patient when they prefer palliative treatment (4).





IMAGE (L-R): CHD LIFE+ team Karen Eagleson (Children's Health Queensland), A/Prof Sanjeeva Kularatna, Dr Sameera Senanayake, Dr Ben Auld (CHQ), A/Prof Rob Justo (CHQ), Jenna English, Dr Bridget Abell, Prof Steven McPhail, Queensland Children's Hospital

## CARDIAC

### Congenital Heart Disease Long-term Improvements in Functional Health+ (CHD LIFE+)

**Program Lead:** Prof Steven McPhail

**Researchers:** Prof Will Parsonage, Prof Adrian Barnett, A/Prof Sanjeeva Kularatna, Dr Nicole White, Dr Bridget Abell, Ms Jenna English

**Background:** Congenital Heart Disease is one of the most common conditions for children to be born with, affecting one in a hundred live births. Clinicians from Children's Health Queensland have developed care pathways for children with Congenital Heart Disease, called CHD LIFE, to help them overcome developmental obstacles and improve their functional health.

CHD LIFE+ is a research project that seeks to systematically use information from the CHD LIFE care pathway to better understand, develop and apply new models of long-term neurodevelopmental care.

**Methods:** The CHD LIFE+ program of research will evaluate existing and potential models of care for CHD neurodevelopmental support, nationally and internationally, to inform future practice.

**Outcomes:** This program of research will help establish accessible, family-centred, sustainable and best-practice neurodevelopmental and mental-health-related models of care for children with CHD and their families.



**Bridget Abell** is an Early Career Research Fellow in Health Services Research and Implementation Science at AusHSI. She works collaboratively with organisations and healthcare teams to design, plan and implement health service change, and conduct clinical and implementation evaluations.

Bridget is also a qualified Exercise Scientist who has worked clinically in Australia and the UK in the diagnosis and rehabilitation of people with cardiovascular disease. Her passion is in applying health services research and implementation science to improve the delivery of cardiac rehabilitation and secondary prevention of cardiovascular disease.

## COMMUNITY HEALTH

### Evaluation of the CALD COVID-19 Health Engagement Project (CCHEP) | Prepared for the Refugee Health Network Queensland and project partners **Program Lead:** Dr Bridget Abell

**Background:** The culturally and linguistically diverse (CALD) COVID Health Engagement Project (CCHEP) was created to amplify the voice of Queensland's CALD communities in the development of strategies to overcome barriers these communities faced in accessing appropriate health services and health information during the COVID-19 pandemic. AusHSI was engaged by the Refugee Health Network Queensland to independently evaluate CCHEP in 2022.

**Methods:** This evaluation examined the implementation, effectiveness, and sustainability of CCHEP across CALD communities and community leaders, community services and health providers, Queensland Health, and partner organisations. The evaluation employed a mixed-methods approach using an established evaluation framework. A comprehensive approach captured information about the project, process, and context in which CCHEP is delivered.

**Outcome:** This evaluation clearly demonstrated the benefits of CCHEP's approach of reciprocal engagement and support of CALD leaders and their communities, as well as key partners. The ongoing partnerships and tailoring of health message format, language, and dissemination methods, had strong impacts on the reach, appropriateness, and effectiveness of COVID-19 information within these communities. CCHEP has contributed to growing recognition that communicating with CALD communities is a significant component of public health messaging. Establishing sustainable social and organisational infrastructure to nurture engagement with diverse communities across the state should be a key focus of future work.



### CALD COVID-19 Health Engagement Project (CCHEP)



## RESPIRATORY

### The BETTER Study: Using erdosteine to improve outcomes of children and adults with bronchiectasis.

**Program Lead:** Prof Anne Chang AM

**Researchers:** A/Prof Julie Marchant, Prof Stephanie Yerkovich, A/Prof Brent Masters, Prof Steven McPhail, Dr Hannah O'Farrell, Dr Vikas Goyal, Dr Margaret McElrea

**Background:** Bronchiectasis is under-researched and under-served chronic lung condition with no licensed medication. The BETTER trial aims to address this gap by examining a pharmaceutical treatment that can improve outcomes.

**Methods:** The BronchiEctasis Trial Testing ERdosteine study is a multi-center, double blinded RCT investigating Erdosteine, which is licensed in 40 countries, but not Australia. Historically, this medication has been shown to improve clinical outcomes in other airway conditions.

**Outcomes:** The primary aim is that 12 months of twice-daily erdosteine (compared to the placebo) results in a reduction of exacerbations in children and adults with bronchiectasis. If our hypothesis is correct, the trial results would aid Therapeutic Goods Administration approval of Erdosteine in Australia and incorporation of the novel therapy into bronchiectasis clinical practice guidelines.





## TRAUMA

**e-Mobility Safety Research****Program Lead: Prof Kirsten Vallmuur**

**Background:** The adoption of e-mobility has seen a dramatic increase in the use of devices such as e-scooters in recent years, leading to increases in injury presentations at Emergency Departments (EDs). Soon after e-scooters were launched locally, the Jamieson Trauma Institute (JTI) commenced a collaboration with researchers from major Hospital Emergency Departments in Brisbane to better understand the incidence and nature of e-mobility injuries.

**Methods:** The e-Mobility Safety Research project aims to understand the impact of 'rideables' or electric personal mobility devices (ePMDs) and improve safety for all e-Mobility users living in Queensland. JTI and its research partners and collaborators are examining the patterns, type and severity of injuries associated with ePMDs, identifying patterns of injuries and engaging with injured patient groups, industry and government stakeholders to provide a broader contextual understanding of the issue.

**Objectives:** Quantifying the extent to which e-mobility-related injuries are involved in presentations to hospital EDs will enable a better understanding of patterns, severity, circumstances, and treatment outcomes of these incidents. As the number of e-mobility trials increase across Queensland and Australia, this valuable and timely research offers significant potential to improve the safety of e-mobility national practice guidelines.

Project Chief Investigators also include Dr Victoria McCreanor, Dr Jesani Catchpoole, Mr Brett Droder, Dr Tanya Smith.



## INFECTIOUS DISEASE

**Hospital Acquired Pneumonia Prevention - the HAPPEN study****Program Lead: Dr Nicole White**

**Background:** Today, one in 10 patients in an Australian hospital has a healthcare-associated infection (HAI). Pneumonia is the most common HAI and accounts for approximately 30% of all HAIs, affecting an estimated 50,000 patients each year in Australian public hospitals. The Hospital Acquired Pneumonia Prevention (HAPPEN) study will design and trial a new intervention to reduce the prevalence of non-ventilator hospital-acquired pneumonia in three Australian hospitals.

**Methods:** The study is working with participating hospitals to understand current clinical practice around infection prevention and factors that are likely to influence intervention uptake. Once designed, the intervention will be evaluated using a multi-site stepped wedge cluster randomised trial over 12 months. Trial outcomes will include the intervention's impact on reducing cases of hospital-acquired pneumonia, understanding patients' lived experience and quality of life impacts from infection, and the cost-effectiveness of the intervention.

**Objectives:** Quantifying the extent to which e-mobility-related injuries are involved in presentations to hospital EDs will enable a better understanding of patterns, severity, circumstances, and treatment outcomes of these incidents. As the number of e-mobility trials increase across Queensland and Australia, this valuable and timely research offers significant potential to improve the safety of e-mobility nationally.practice guidelines.

Project Chief Investigators also include Brett Mitchell (Avondale University), Phillip Russo (Monash), Andrew Stewardson (Monash), Jenny Sim (Newcastle), Rhonda Wilson (Newcastle), Helen Rawson (Monash), Sonja Dawson (Avondale), Allen Cheng (Monash), Julee McDonagh (Newcastle), Auxillia Madhuvu (Monash).



## Consulting

## Consultancy

AusHSI has extensive hands-on experience of delivering innovation and improvements for better health services and provides a range of consultancy services. AusHSI works with clients across Australia to undertake a wide range of consulting projects both large and small.

While we have experience in delivering extensive statewide initiatives, we also deliver many small projects. All our projects are focused on providing value and return on investment.

## COMMUNITY HEALTH

**Evaluation of the Program of Assistance for Survivors of Torture and Trauma (PASST)****Program Lead: Dr Bridget Abell****Researchers: Dr Hannah Carter, Dr Kamilla Davidson, Dr David Rodwell, Dr Zephania Tyack**

**Background:** AusHSI was engaged by the Department of Health and Aged Care to independently evaluate the Program of Assistance for Survivors of Torture and Trauma (PASST). PASST is a specialist service available to refugees who settle in Australia and includes counselling, community capacity development work, and advocacy.

**Methods:** Employing a mixed-methods approach, this evaluation examined the implementation, outcomes, and economic considerations related to PASST service provision, including in regional and rural areas. The alignment of PASST with international standards of evidence was also considered.

**Outcome:** PASST demonstrates clear appropriateness in meeting client needs and effectiveness in improving access and outcomes for refugee communities. There is a continued need to build the skills and capacity of mainstream services to respond to and care for refugee clients appropriately. Adequately investing in community capacity building will be essential to sustain long-term connections with communities to reduce stigma and contribute to early intervention and prevention.



## CLIENT TESTIMONIAL

*It's been an absolute pleasure to work with you. It's difficult to overstate the importance of this evaluation and its potential for immediate impact. It will be absolutely critical in supporting the team... strengthen outcomes for the vulnerable clients and communities... I hope you all feel incredibly proud of the work!*

Director  
Suicide Prevention and Digital Branch  
Mental Health Division  
Australian Government Department of Health  
(8/6/22. Email)

## CLIENT TESTIMONIAL

*Thanks again for the care and thoughtful consideration you brought to the task of evaluating the PASST program... It was a particular joy to hear you talk us through it yesterday. Your presentation demonstrated your genuine and deep understanding of vast, complex and challenging issues... You left us feeling affirmed and excited and energised to address challenges.*

National Coordinator  
Forum of Australian Services for  
Survivors of Torture and Trauma  
(14/10/22. Email)



# Education

AusHSI provides a range of learning and development options to suit different health service organisations' needs. Our education services range from a number of short course options in our key capability areas, a Graduate Certificate in Health Services Innovation, and opportunities for mentoring and supervision by our AusHSI researchers while completing a higher degree research qualification.

## AusHSI Short Courses

### Developing Applied Skills in Cost-Effectiveness

The three-day in-person course was delivered on 14–16 March 2022 at QUT Gardens Point by Dr Hannah Carter and Dr David Brain.

### Health Statistics Refresher

The two-day course was delivered by Prof Adrian Barnett as an online course on 29–30 June 2022.

## Graduate Certificate in Digital Health Leadership and Management

Four competitive 50% tuition fee DHCRC scholarships were awarded in 2022 ahead of the course commencement in 2023, with a view to graduating by end of 2024. The course for its relevance and demand is also being considered by the university as a potential course for commonwealth supported placements, and if approved is likely to improve course enrolments. A high percentage of those enrolled in the course (75%) are employed in health industry roles across Australia. The course continues to receive excellent reviews with 80% agreeing that different units that are part of the graduate certificate developed skills directly applicable to their roles and future career advancement.

### STUDENT TESTIMONIAL

*Thank you for putting together such a great course so far! I think you have done a superb job of accounting for multiple learning styles and actually guiding and supporting students at this level to work through the content. This has not always been my experience at the Grad Cert level.*



**Amina Tariq** Amina is an Associate Professor in Digital Health and course coordinator for the QUT Graduate Certificate in Digital Health Leadership and Management. Amina's research strengthens the global digital health agenda and is conducted in collaboration with frontline healthcare services which vastly enhances the impact, providing opportunities for direct translation into practice.

## Graduate Certificate in Health Sciences (Health Services Innovation)

In Semester 1, 2022, two cohorts were enrolled in the graduate certificate, Cohort 3 and Cohort 4. Cohort 4 enrolled in their second unit, PUZ640 Health Systems (31 students) and Cohort 3 (14 students) was enrolled in their final unit, HLZ701 Independent Study. This cohort finished the graduate certificate at the end of Semester 1.

Following the graduation of Cohort 3 there was a single cohort (Cohort 4) enrolled in the graduate certificate in Semester 2, 2022. Cohort 4 enrolled in their third unit PUZ018 Cost-Effectiveness (32 students). Covid-19 had some impact on the block teaching of this unit. The final day of teaching was cancelled as Metro North staff were required to return to their roles due to Covid-19. Assessment items and teaching resources were modified accordingly, and the remainder of the unit ran smoothly. To provide increased flexibility to Metro North staff, HLZ701 Independent Study was also offered this semester (not an official offering) to enable staff with disrupted study plans to complete the program. Three students completed this unit in Semester 2.

The Graduate Certificate has been a highly successful program, building capacity and knowledge within Metro North Hospital and Health Services and supporting innovative health service change.



**Alexia Rohde** is a Senior Lecturer in Health Services Innovation at AusHSI and coordinator of the corporate Graduate Certificate in Health Science (Health Services Innovation) with Metro North Hospital and Health Service. Alexia is an evidence-based practice and implementation researcher who has developed and led multidisciplinary healthcare innovations that are used in frontline stroke clinical care within hospitals across Australia, the UK and USA.

### STUDENT TESTIMONIAL

*'Although the course is certainly challenging, the ongoing support received from QUT has been excellent, the course work is relevant and able to be applied in the real world.'*

*'Everything was pitched at the right level. Someone who was new to the subject was able to understand the unit. The presenters were excellent and passionate about the subject.'*

*'I thoroughly enjoyed the unit and it was delivered with great teaching support and schedule of topics'*

## Cohort 3 Independent Study Unit – Project Examples

**Name:** Jenny Mitchell

**Title of project:** Implementation of a Direct Referral Service for Streamlined Alcohol and other Drug Treatment: A Service Evaluation

For people experiencing concerns regarding their substance use, improvements to client navigation of alcohol and other drug (AOD) treatment and service connectivity are needed to address barriers such as having to make multiple phone calls and repeat their story to access treatment. A Direct Referral service was implemented for callers to a 24/7 Telephone service to directly link clients with local AOD service providers to reduce these barriers. After scale and spread of the initiative, the service was evaluated to measure objectives and assessed for capacity to sustain it long-term.

**Name:** Minyon Avent

**Title of project:** Co-creating a theory-informed intervention package to optimise vancomycin therapy in hospital settings

Despite the availability of guidelines and training, the management of vancomycin, an antibiotic to treat MRSA infections, remains suboptimal. The development of a theory (TDF) informed intervention package which was implemented across a wide range of in-patient hospital settings in Queensland, Australia was both scalable and sustainable.



# Higher Degree Research



## Higher Degree Research Students

AusHSI's growing Higher Degree Research (HDR) cohort saw 9 students join in 2022. Our multi-disciplinary group continues to expand the research outputs of the centre.

## Impact Makers Conference

On 15 July, the QUT School of Public Health and Social Work invited staff, higher degree research students and undergraduate students along to a conference celebrating the innovative work of the HDR students in the PHSW community.

It was an inspiring day of knowledge making for impact, reflecting the real world change powered by higher degree work in social work, public health, health safety and environment, health management and digital health.

## Awards

### Full Paper Presentation:

- 1st Place: Laavanya Lokeesan
- 2nd Place: Natalia Gonzalez Bohorquez
- 3rd Place: Rex Parsons

**Lightning Presentation:** Samantha Borg

## Visualise Your Thesis Award

Shayma Mohammed Selim won the People's Choice Award in the QUT Faculty of Health Visualise Your Thesis (VYT) presentation on 15 September. The Visualise Your Thesis research communication competition challenges students to present their research in a 1 minute, eye-catching digital display.

QUT @QUT · Sep 19, 2022

Excited to announce our Visualise Your Thesis winners! Susannah Ayre secured first place, Luis Quijano is our judges' runner-up, & Shayma Mohammed Selim won the people's choice award. Congrats to all the finalists! Watch the full Showcase fal.cn/3rZQX #QUTVYT



## PhD Research Project: Rex Parsons

### High-dimensional data for predicting hospital falls

My project is all about developing and evaluating prediction models for hospital falls. To do this, we have partnered with Metro South Health and will be using the data within integrated electronic medical records (ieMR) for patients admitted across any of their hospitals. I hope to be able to make some models which perform better than existing approaches and show the potential for how the data within the ieMR can be used for prediction models and clinical decision support.

I've learnt some interesting methods, had some exposure to statistical and machine learning modelling, and hope to come out the other end as a better programmer.



## PhD Research Project: Sumudu Hewage

### Models of care for stroke prevention in atrial fibrillation: cost-effectiveness and patient preference

In Australia, the different care services involved in managing atrial fibrillation are not well coordinated and integrated care is not routinely offered to patients.

To understand the proportion of stroke patients with atrial fibrillation that could have been prevented with appropriate management, I estimated the preventable disease burden of ischaemic stroke, which is one of the major adverse events experienced by individuals with atrial fibrillation. I am using a discrete choice experiment study to elicit how patients with atrial fibrillation living in Australia prefer to have care services delivered. I am also evaluating the cost-effectiveness of the selected integrated care model compared to routine care.

New evidence generated by my PhD will help decision makers to invest in a sustainable integrated model of care to support patients with atrial fibrillation in Australia.



## PhD Research Project: Robin Blythe

### Real-time clinical decision support systems for the prevention of deterioration in acute care

As the Australian hospital system becomes increasingly digital, it gains the capability for advanced analytics to improve patient care. Clinical decision support systems sit at the frontier of this movement. In the case of inpatient deterioration, when a patient's condition begins to rapidly worsen in the hospital, these systems can be critically important to avert major adverse outcomes including admission to intensive care and death. However, in practice, applying technological advancements to the clinical setting has not always delivered better outcomes.

My PhD research is focused on understanding what makes clinical decision support models useful for addressing clinical deterioration. My project will consist of a series of related studies: a scoping review of existing deterioration detection methods, a qualitative assessment of what kind of information clinicians value when treating deteriorating patients and an investigation into how up-to-date patient information can be integrated into our decision process. This will be used to develop and evaluate a rigorous statistical model with the aim of creating a decision tool that clinicians find useful.





Higher Degree Research Students	Principal Supervisor	Thesis Title
Ben Auld	Prof Steven McPhail	Informing Clinical Pathway Change in Queensland for Children with Congenital Heart Disease: primary-care physician and patient experience
Robin Blythe	Prof Steven McPhail	
Samantha Borg	Dr Victoria McCreanor	Prevalence, health service encounters and economic burdens associated with opioid use in adult spinal cord injury populations
Andrew Collaro	Dr Margaret McElrea	Respiratory health in Aboriginal and Torres Strait Islander Australians; improving lung function with outreach services and appropriate reference values
Thomasina Donovan	Dr Hannah Carter	Methods for costing the implementation of digital health innovations
Eri Asakura	Dr David Brain	Task-shifting with mobile applications in the management of chronic liver disease: patients' preference and cost-effectiveness
Manasha Fernando	Dr Bridget Abell	The value of Implementation Science in Implementing Computerised Clinical Decision Support Systems in hospital settings
Natalia Gonzalez Bohorquez	A/Prof Sanjeewa Kularatna	Liveability disparities and the socioeconomic exclusion of people with disabilities in regional areas of Australia
Ureni Halahakone	Dr David Brain	The cost-effectiveness of screening to identify patients with previously undiagnosed atrial fibrillation in Australia
Sumudu Hewage	A/Prof Sanjeewa Kularatna	Models of care for stroke prevention in atrial fibrillation: cost-effectiveness and patient preference
Lee Jones	A/Prof Dimitrios Vagenas	Meta-Research: Evaluating Statistical Quality and Reproducibility in Health and Bio-medical Research
Megumi Lim	Dr Sameera Senanayake	Value for money in selecting internal radiation therapy (SIRT) for treating liver cancer
Shayma Mohammed Selim	A/Prof Sanjeewa Kularatna	Digital health solutions for improving ambulatory care utilisation
Remai Mitchell	Dr David Brain	Evaluation of Quitline Queensland using a mixed methods approach
Rex Parsons	Dr Susanna Cramb	High-dimensional data for predicting hospital falls
Madhu Perera	Dr Sameera Senanayake	Home-based supportive care for patients with heart failure: Understanding patient preference and cost-effectiveness
Jack Roberts	Prof Steven McPhail	Measuring the cost and burden of Bronchiectasis in Australia
Adam Rolley	Prof Kirsten Vallmuur	Pre-hospital trauma triage: Epidemiology, accuracy and economics
Brighid Scanlon	Dr Jo Durham	Equity across the cancer care continuum for culturally and linguistically diverse mi-grants living in Australia
Pakhi Sharma	A/Prof Sanjeewa Kularatna	Preferences for attributes of a model of care for children needing neuro-development support: a discrete choice experiment

Higher Degree Research Students	Principal Supervisor	Thesis Title
Rahul Thomas	Prof Anne Chang	Advancing the knowledge and role of flexible bronchoscopy in children with respiratory illness
Linh Vo	Dr Hannah Carter	Virtual care solutions for improving person-centered care and health system efficiency
Kim Warhurst	Dr Bridget Abell	Engaging with clinicians to identify and reduce unwarranted clinical variation
Jacelle Warren	Prof Kirsten Vallmuur	From roadside to recovery: Long-term burden and cost of transport-related injuries impacting the Queensland healthcare system
Daniel Wickens	Dr Nicole White	Modelling repeat presentation to the Emergency Department for recurrent falls

*\*Students highlighted in blue commenced in 2022*

# Governance

AusHSI is a QUT Faculty Research Centre embedded within the Centre for Healthcare Transformation. The AusHSI Management Committee and associated Working Groups continued to meet regularly in 2022 to continue action towards the Centre’s strategic goals.

## AusHSI Management Committee

The Management Committee is accountable for the overall governance of AusHSI within the context of QUT policies and procedures. The Committee meets quarterly to review AusHSI’s strategic plan and ensure that:

- AusHSI’s assets (financial and property) are applied appropriately towards the purpose and aims of the Centre;
- AusHSI operates and is managed in a transparent and accountable manner; and
- AusHSI makes effective use of available resources.

The Membership of the Committee comprises AusHSI's Leadership Team, Program and Strength Leads, the Research Project Manager, one ECR/MCR representative and one HDR Student representative (with those two positions being annual appointments). The Committee steers the direction of AusHSI according to the Strategic Plan 2021–2024.

## Members in 2022

Professor Steven McPhail (Chair)	Prof Kirsten Vallmuur
Professor Will Parsonage	Dr Zephania Tyack
Ms Megan Campbell (Secretary)	Dr Hannah Carter
Ms Alison Farrington	Dr Nicole White
Prof Adrian Barnett	Dr Bridget Abell (ECR)
Prof Anne Chang AM	Shayma Mohammed Selim (HDR representative)
Prof Gill Harvey	

The AusHSI Management Committee met four times in 2022 in March, June, August and November.



# AusHSI Working Groups

The AusHSI working groups continued to meet regularly in 2022 to deliver and manage key actions identified in the AusHSI strategic plan, to enhance and support AusHSI's strategic objectives. Membership of the working groups is reviewed from time to time by the Management Committee and by the working groups themselves.

## Higher Degree Research (HDR) Working Group

The HDR Working Group was led by ECR and AusHSI HDR graduate Dr Victoria McCreanor in 2022 with the purpose of developing and maintaining a HDR student Engagement, Recruitment, Support and Development Strategy. The major initiatives in 2022 were:

- developing the AusHSI HDR Student Guide focussing on Orientation activities, including introduction of meet and greet sessions with key AusHSI staff, reference point for online Faculty and university support resources on the QUT Digital Student Platform, HiQ. This was designed to ensure that all HDRs had a consistent induction process and make connections with HDR supports beyond their supervisory team.
- celebrating the publication of each student's First Author paper related to their HDR project through the presentation of a First Publication mug at an All-of-AusHSI meeting, acknowledging and promoting a key milestone in the student HDR journey.
- HDR group monthly catch-ups coordinated by student Rex Parsons that included creating a Slack messaging group and regular allocated time to socialise and provide peer support. This included practicing presentations for confirmation or conferences, sharing lessons learnt, and inviting speakers to share on topics of interest.

In 2023 the HDR Working Group intends to work closely with the AusHSI Engaging Indigenous Australians Working Group to develop a strategy for the recruitment of Aboriginal and Torres Strait Islander students; and with the People and Culture Working Group to ensure AusHSI constructively engages with HDR students to maintain a positive team culture.

## People and Culture Working Group

The People and Culture Working Group was led in 2022 by Professor Kirsten Vallmuur. Following a staff survey to identify focus areas, the working group created a Purpose Statement to optimise inclusiveness, safety and staff retention. Key actions included:

- encouraging professional development opportunities, mentoring, staff recognition and a positive team culture.
- developing consistent processes to attract high quality people that fit with AusHSI culture. This was initiated through recognition pathways such as the Awesomeness board, publications wall and All of AusHSI meeting call-outs.
- exploring training in critical areas to address some gaps and opportunities for social interaction.

## Consumer Engagement in Research Working Group

The Consumer Engagement in Research Working Group is a Centre for Healthcare Transformation (CHT) working group. In 2022 the group met seven times and consisted of 10 representatives from AusHSI and School of Nursing. Progress was made towards:

- processes to engage health consumers early in research within CHT. This included the development of support documents e.g., a guide for engaging consumers early in research and terms of reference for the group, and a resources website is underway.
- Establishment of processes to support the consumers. Three consumers were recruited to the group through Health Consumers Queensland, who provided mentoring to working group members.
- External training opportunities for engaging and supporting consumers in research continued to be circulated to research staff.



## Engaging Indigenous Australians Working Group

The Engaging Indigenous Australians Working Group's purpose is to empower Indigenous health research, informed by discussion with key Indigenous People and groups within QUT, as well as with external stakeholders. The group:

- promoted the inclusion of personalised acknowledgement of Traditional Owners at the beginning of AusHSI meetings, along with awareness-raising of the meaning and importance of doing this as standard practice.
- promoted key events amongst staff and students during the year including National Sorry Day, National Reconciliation Week, and NAIDOC week, and circulated educational resources for understanding our shared histories.
- explored cultural awareness and cultural safety training within AusHSI, and began a repository of resources for engaging with Aboriginal and Torres Strait Islander peoples in the context of research, including engagement principles and ethical standards, as well as the importance of developing strong and continuing relationships with community.
- members of the group worked with the Marketing & Communications Working Group to ensure appropriate acknowledgments are included in AusHSI communication materials and collateral.

## Marketing and Communications Working Group

The Marketing and Communications Working Group, led by Sian Conway Lamb, met every 6 weeks during the year. The major focus of the group in 2022 was increasing AusHSI's profile and strengthening credibility as a leading Health Services Research provider. This was achieved through:

- the delivery of two targeted communications campaigns promoting the AusHSI cardiac and trauma research programs, to compensate for the fact that in-person events had been reduced during the Covid pandemic. This was also a strategic way to highlight the multidisciplinary approach and diverse research strengths of the Centre and extend AusHSI's public reach through external partner promotion. See pp. 26-27 for further information.
- refresh of AusHSI corporate branding and templates, and the development of a new Marketing Toolkit featuring Brand, Media and Writing guides.
- establishment of a new temporary Credentials Working Group to further develop key messages and visuals around AusHSI's core service offering for use in proposals, marketing material and the website.
- increased internal communications through regular email updates from the directors.
- generation of more digital content with a refresh of staff and student biographies, new project pages to highlight the breadth of AusHSI research, increased blog posts written by staff and students and updated eNews.
- developing relationships with the wider QUT Communications and Media teams and a database of internal and external newsletters set up to support wider promotion of AusHSI.



# QUT & AusHSI News

## Single test could rule out heart attack in Indigenous Australians

Published in the Medical Journal of Australia, QUT research led by A/Prof Jaimi Greenslade and Prof Will Parsonage identified a way of more quickly determining the risk of a heart attack for Indigenous patients. Results from a single test could be used to safely rule out heart attack for up to one third of Aboriginal and Torres Strait Islander patients with low troponin levels, which could fast-track their treatment and ease hospital overcrowding.



A/Prof Jaimi Greenslade, Prof Will Parsonage

## Targeting e-Scooter offenders could reverse hospital trends

A police campaign targeting e-Scooter offenders launched in June 2022 aimed to help set new trends in both hospital emergency department presentations and e-mobility uptake. The Queensland Police Service announced that it would crack-down on e-scooter riders ahead of the introduction of safety measures including reduced speed limits to take effect from 1 November 2022.



JTI e-Scooter Project Team

Data and recommendations from Prof Kirsten Vallmuur, Dr Victoria McCreanor and the Jamieson Trauma Institute (JTI) e-Scooter Project team helped inform Brisbane's [e-mobility strategy](#) by the Brisbane City Council, and the Queensland Government [Personal Mobility Device Safety Action Plan](#).

## New tool tackles time and distance factors in emergency brain injury care

The new injury Treatment & Rehabilitation Accessibility Queensland Index (iTRAQI) was launched in September 2022. The new tool developed by researchers at AusHSI and JTI enables emergency care providers and planners to quickly identify time and distance complexities when transporting traumatic brain injury patients from remote areas to specialised neurosurgical care and rehabilitation services.



JTI iTRAQI Project Team

## Nurse-led trial preventing hypothermia during surgery

QUT received a \$1,145,483 grant from the National Health and Medical Research Council (NHMRC) to trial new care strategies that reduce postoperative risks to patients from loss of body heat during surgery. Perioperative hypothermia – body heat loss to below 36°C – is inevitable in surgeries unless preventative strategies are used. QUT researchers on the trial include Dr Judy Munday from the QUT School of Nursing, Prof. Jed Duff, Prof. Samantha Keogh and AusHSI's Dr Nicole White and Dr Hannah Carter.



Front L-R) Dr Nicole White, Prof. Sonya Osborne, Dr Judy Munday, Dr Hannah Carter; (Back L-R) A/Prof. Nick Ralph and Prof. Jed Duff.

## NHMRC Partnership Project - NAVICARE tackles access to mental health care for people in regional and remote areas

Three Bowen Basin communities are the focus of a co-designed project led by Dr Zephania Tyack to improve and expand access to mental health services in regional and remote areas under a \$780,000 NHMRC Partnership Project announced on 5 December 2022.

Partnering with Beyond Blue, Wesley Research Institute, Isaac Regional Council, Greater Whitsundays Communities, mental healthcare providers and Bowen Basin communities, the project aims to improve health and wellbeing outcomes in regional communities.



(L-R): Ms Clare McLaughlin, NHMRC, Mr Andrew Barron, Wesley Research Institute, The Hon Emma McBride, Asst. Minister for Mental Health and Suicide Prevention, Asst. Minister for Rural and Regional Health, Dr Zephania Tyack and Dr Bridget Abell, AusHSI.

## Achievements

### Sumudu Hewage awarded QCVRN Scholarship

Announced on 14 July 2022, AusHSI PhD Scholar Sumudu Hewage was awarded a prestigious Queensland Cardiovascular Research Network (QCVRN) scholarship. The top-up scholarship of \$5000 per year for two years will support completion of Sumudu's PhD entitled *Evaluating the Cost-Effectiveness of an Integrated Care Model for Prevention of Stroke Associated with Atrial Fibrillation*.



### Dr Nicole White and Dr Susanna Cramb graduate from Superstars of STEM program

*Superstars of STEM* is a game-changing Australian initiative created by Science & Technology Australia to smash gender assumptions about who can work in science, technology, engineering and maths. It addresses the gender inequity of visible diverse role models featured in the media as experts in STEM.

The program helped Nicole and Susanna share their love of statistics with 300+ high school students and built their confidence as research communicators and future leaders.







# AusHSI Cardiac Month

August 2022

#aushsicardiac



## Communications Campaigns

### AusHSI Cardiac Month

In early 2022, the AusHSI Management Committee agreed that a series of targeted communications campaigns promoting each of AusHSI's key research program areas would be a strategic way to promote the multidisciplinary approach and diverse research strengths of the Centre, enabling the development of associated research project pages, blogs and news stories in a staggered and manageable way.

The AusHSI Cardiac program was nominated as the first area of focus, to coincide with the CSANZ and ACRA conferences in August. The campaign was titled AusHSI Cardiac Month August 2022.

Campaign activities included promotion of the AusHSI Cardiac Health Services Group through weekly enewsletters to general and cardiac contacts, an #aushsicardiac social media campaign, and updated Cardiac program webpage on the AusHSI website, blogs written by the AusHSI cardiac team and external partners such as Children's Health Queensland and HeartKids, new research project web pages and e-banners and e-signatures.

### Highlights

**Third party relationships** leveraged, extending reach, increasing engagement and highlighting AusHSI's strong partner relationships. The consumer perspective was also highlighted through a blog written by Holly Williams from Heartkids.

- Partners included: Children's Health Queensland, HeartKids (CHD LIFE+), MTPConnect, Deeble Institute, AHHA, The Health Advocate

**Podcasts:** AusHSI engaged with a new communications channel, which was extremely successful. Will Parsonage and Rob Justo's podcast was Heartkids' most downloaded episode, both on the first day and overall.

**QUT resources leveraged:** access to media team and social media audiences through promotion of two videos and Researcher Snapshot webpage profiling Will Parsonage.

**Social media:** opportunity to increase social media activity, engagement and followers. #aushsicardiac hashtag an effective way to capture social media engagement.

**Value:** Relatively low cost, mainly impacting staff time. Opportunity to develop new project pages and blogs for website.

**Children's Health Queensland** @childhealthqld · 1h  
Congenital heart disease is one of the most common conditions for children to be born with. In this blog CHQ's #CHDLIFE clinical nurse consultant Karen Eagleson shares the next important step in the CHD LIFE journey to support kids with #congenitalheartdisease #Aushsicardiac

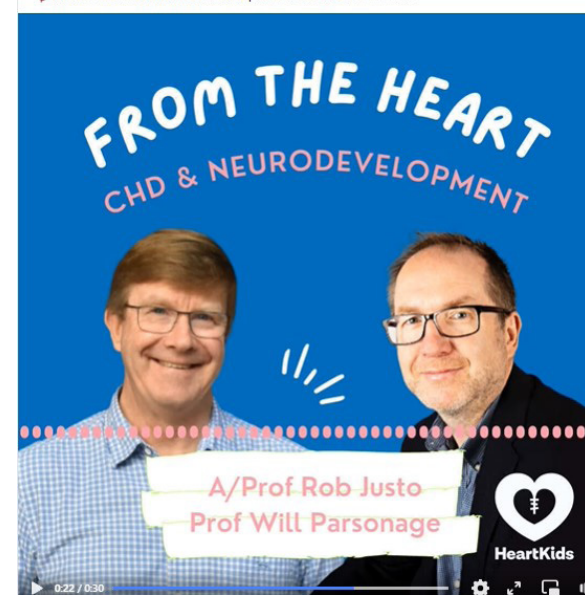
**AusHSI** @AusHSI · Aug 9  
Based at @childhealthqld, #CHDLIFE Clinical Nurse Consultant @KarenJEagleson writes about the next important step in the CHD LIFE journey to support children with #congenitalheartdisease. #aushsicardiac

Read more: [bit.ly/chdlifejourney](https://bit.ly/chdlifejourney)



2 2

**HeartKids** 3d · 3d  
The majority of children born with CHD have a normal neurodevelopmental profile however some will experience developmental delays or difficulties. To help us learn more about neurodevelopment and CHD, we were joined by cardiologists Rob Justo and Will Parsonage on the podcast.  
What are the early indicators that a child may be experiencing neurodevelopmental difficulties?  
How are neurodevelopmental issues diagnosed?  
What sort of treatments and therapies are available... See more



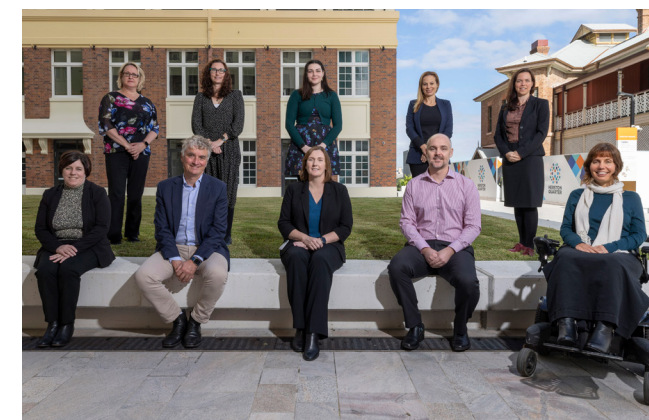
You, Wild at Heart and 36 others 3 Comments 6 Shares

### AusHSI Trauma Week

Held during the week of 21 November 2022, Trauma Week was an opportunity to celebrate the research partnership between AusHSI and the Jamieson Trauma Institute (JTI), a collaboration that harnesses the expertise of one of Australia's leading health services research centres with Australia's newest clinical-academic trauma institute to build new research and clinical capability in trauma systems.

The campaign highlighted the ways in which the Trauma and Injury research program is transforming trauma care in Queensland, leveraging social media, newsletters and the AusHSI blog to showcase the team's expertise, knowledge and research programs addressing the following areas:

- Data Quality & Analytics: Linking high-quality data to improve trauma health services.
- Quality of Care and Processes: Improving service delivery - a time-critical, complex clinical challenge that requires integrated data and interdisciplinary approaches.
- Injury Prevention: advancing consumer product safety and informing policy development.





# AusHSI Social Events



AusHSI AWESOMENESS AWARDS		
FOR THE MONTH OF: <u>OCTOBER 2022</u>		
Nominee	Nominated By	Reason for Nomination
Thommi + Manasha	Evidget	Representing AusHSI to visit to their first interview that I was awarded by the Doctor Mary were participating in the US to be awarded to participate further in the space of implementation setting.
Ruth	Dave Borg	For being a warm and welcoming person & great application with kind nature.
Michelle, Sunny, Megan, Nigam, Nicole, Adrian, Rex	Zephaniah	Great presentations & coordination of the Tan Tock Seng Hospital seminar.
Megan	Nicole	For going above & beyond to keep our CHT grants progressing.
Megan	Adrian	Promoting a fabulous charity.
Jo-Anne	Madhu	For the wonderful orientation given on my first day/month @ AusHSI.





# Appendices

## Appendix 1: AusHSI Publications 2022

Type of publication	Number
Article	170
Case Report	1
Editorial	2
Comment	1
Letter	4
Note	1
Review	7
Book report	1
Study protocol	1
<b>Grand Total</b>	<b>188</b>

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6. Avent, M. L., Lee, X. J., Irwin, A. D., Graham, N., Brain, D., Fejzic, J., van Driel, M., & Clark, J. E. (2022). An innovative antimicrobial stewardship programme for children in remote and regional areas in Queensland, Australia: optimising antibiotic use through timely intravenous-to-oral switch. *J Glob Antimicrob Resist*, 28, 53-58. <https://doi.org/10.1016/j.jgar.2021.11.014>

7. Baade, P., & Cramb, S. (2022). Spatial methods and applications for cancer epidemiology [Editorial]. *Annals of Cancer Epidemiology*, 6(3). <https://doi.org/10.21037/ace-2022-1>
8. Bairagi, A., Griffin, B., Banani, T., McPhail, S. M., Kimble, R., & Tyack, Z. (2022). Letter to the Editor and Author Response for "A systematic review and meta-analysis of randomized trials evaluating the efficacy of autologous skin cell suspensions for re-epithelialization of acute partial thickness burn injuries and split-thickness skin graft donor sites" by Bairagi, et al [Letter]. *Burns*, 48(2), 464-467. <https://doi.org/10.1016/j.burns.2021.07.013>
9. Barnett, A. (2022). Automated detection of over- and under-dispersion in baseline tables in randomised controlled trials [Case Report]. *F1000Research*, 11(783), Article 783. <https://doi.org/10.12688/f1000research.123002.1>
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## Appendix 2: AusHSI Research Projects Awarded in 2022

The table below is a summary of funding awarded to AusHSI Chief Investigators in 2022. Data has been provided by QUT Research Information and Systems Support (RISS). Figures represent Total Funding Awarded for QUT led projects, and do not include grants administered by collaborators external to QUT.

Approved Funds – Grants Administered by QUT*								
Project Type	2020		2021		2022		Total	
	Funding Awarded	Projects Awarded #	Funding Awarded	Projects Awarded #	Funding Awarded	Projects Awarded #	Awarded \$	Approved #
Competitive Research Grant	\$11,539,990	23	\$3,640,371	22	\$7,327,041	19	\$22,507,402	64
Commercial Research	\$2,452,298	8	\$1,019,861	11	\$3,726,277	13	\$7,198,436	32
Consultancy	\$123,656	2	\$248,200	3	\$13,500	2	\$385,356	7
Externally Funded Scholarships	\$160,117	2	\$258,245	3	\$155,000	2	\$573,362	7
Major Research Initiatives Award	\$2,356,137	2	\$ -	0	\$162,500	3	\$2,518,637	5
<b>Grand Total</b>	<b>\$16,632,198</b>	<b>37</b>	<b>\$5,166,677</b>	<b>39</b>	<b>\$11,384,318</b>	<b>17</b>	<b>\$33,183,193</b>	<b>93</b>

PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	PRIMARY GRANT SCHEME NAME	PROJECT TOTAL FUNDS APPROVED
COMPETITIVE RESEARCH GRANTS				
Improving outcomes for children with bronchiectasis: a multicentre RCT using a novel mucolytic	<b>Anne Chang</b>	2022-2025	Thrasher Research Fund	\$498,134
Patterns of Queensland Emergency Department presentation for older adults in three time periods: pre, peri and post the COVID-19 pandemic	Elizabeth Marsden, Cassanne Eccleston, Alison Craswell, Marianne Wallis, Julia Crilly, Amy Sweeny, <b>Adrian Barnett, Nicole White.</b>	2022-2026	Emergency Medicine Foundation	\$20,000
Evaluation of the Australasian Teletrial Model and the Australian Teletrial Program	<b>Steven McPhail</b> , Sarah Larkins, <b>Gillian Harvey, Adrian Barnett, Alison Farrington</b> , Karen Johnston.	2022-2026	Medical Research Future Fund	\$1,890,238
Implementation of Nasal High Flow Therapy: A Remote Context	Sally West, Sandy Campbell, Alice Cairns, Rexie Burke, Andreas Schibler, Donna Franklin, <b>Bridget Abell, Sanjeewa Kularatna</b> , Clinton Gibbs.	2022-2024	Children's Hospital Foundation	\$20,000



PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	PRIMARY GRANT SCHEME NAME	PROJECT TOTAL FUNDS APPROVED
COMPETITIVE RESEARCH GRANTS				
Improving Health Insights in Western Australia - with novel modelling method development & implementation	<b>Susanna Cramb</b> , Alex Xiao, Grace Yun, Ting Lin, Tim Landrigan, Wendy Sun, Candice Patterson, Alisha Davis, Paula Fievez, Kerrie Mengersen.	2022-2023	FrontierSI	\$110,411
Breaking the Stigma: Let's talk about sex	<b>Jo Durham</b> , Kathryn Wenham, Gianna Parma, Zhihong Gu.	2022-2024	Australasian Society for HIV, Viral Hepatitis and Sexual Health Medicine	\$90,859
NAVICARE: Implementing, scaling up and sustaining a co-designed care navigation model to improve mental health service access in regional Australia	<b>Zephanie Tyack, Steven McPhail, Bridget Abell, Hannah Carter</b> , Sarah Larkins, Gregory Aarons, <b>Adrian Barnett</b> , Olivia Fisher, Kate Murray, <b>Gillian Harvey, Lee Jones</b> , Andrew Barron.	2022-2026	National Health and Medical Research Council: The Wesley Research Institute: Beyondblue: Greater Whitsundays Communities:	\$727,470 \$300,000 \$150,000 \$54,900
Providing Kidney Care Close to Home: Evaluating the Cape York Kidney Care Model	Andrea Miller, Leanne Brown, Alice Cairns, Jaquelyne Hughes, <b>Sanjeewa Kularatna</b> , Robyn McDermott, Wendy Hoy.	2022-2023	Tropical Australian Academic Health Centre	\$20,000
Building HIV Health Literacy in Priority Migrant Populations	<b>Jo Durham</b> , Olivia Hollingdrake, <b>Bridget Abell</b> , Jenny Hou	2022-2023	Gilead Sciences Inc.	\$359,425
A One Health/System Dynamics approach to reducing Clostridioides difficile infection	Thomas Riley, Simon Reid, Lind Selvey, Russell Richards, Deirdre Collins, Patrick Blackall, Damien Batstone, <b>David Brain</b> , Daniel Knight.	2022-2025	NHMRC	\$47,333
Insulin pumps at diagnosis (IPAD) study	<b>Hannah Carter</b> , Stephanie Johnson, Mark Harris, Karen Bragg, Brigid Knight.	2022-2024	Children's Hospital Foundation	\$75,984
PLACE (Prioritising Location-based Analysis and Consumer Engagement) for Change	<b>Susanna Cramb</b>	2022-2026	NHMRC	\$582,073
Improving clinical outcomes for children and adults with bronchiectasis: a multi-centre randomised controlled trial using a novel mucolytic with a discovery biomarker	<b>Anne Chang</b> , Keith Grimwood, <b>Steven McPhail, Julie Marchant</b> , Vikas Goyal, Peter Stanley Morris, Robyn L. Marsh, Gabrielle Brit McCallum, Anna M. Nathan, Lesley A. Versteegh, Paul J. Torzillo, Katherine Joanne Baines, Nicholas West, <b>Stephanie Yerkovich</b> .	2022-2027	MRFF	\$2,069,493

PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	PRIMARY GRANT SCHEME NAME	PROJECT TOTAL FUNDS APPROVED
COMPETITIVE RESEARCH GRANTS				
Improving outcomes for children with bronchiectasis: a multicentre RCT using a novel mucolytic	<b>Julie Marchant</b> .	2022-2023	Lung Foundation Australia	\$150,000
Implementing a Nurse-Enabled, Shared-Care Model to Address Unmet Needs of People with Neuroendocrine Tumours: the AUS-NET Trial	Raymond Chan, <b>Gillian Harvey</b> , Michelle Miller, Jon Emery, <b>Sanjeewa Kularatna</b> , Nicolas Hart, <b>Lee Jones</b> , Simone Leyden, Meredith Cummins, <b>Michelle Allen, David Brain</b> .	2022-2027	Medical Research Future Fund	\$172,727
PaNURAMA Inter-facility Transfer Tool Validation: A validation study of the Paediatric Non-Urgent, Risk Assessment, Mgmt and nurse escort Asmt [PaNURAMA] Tool for safe children's inter-facility Transfer	Michelle Davison, Sharri Mace, <b>Nicole White, Sanjeewa Kularatna</b> , David Crookston, Anthony Slater, Michelle Thompson, Sarah Davidson.	2022-2023	Emergency Medicine Foundation Ltd	\$29,942
CONSULTANCIES				
Specialist review for TTRA EOIs	<b>Megan Campbell, Will Parsonage, Bridget Abell, Kate Kynoch</b> .	2022-2025	MTPConnect - The Medical Technologies and Pharmaceuticals Industry Growth Centre	\$97,777
Point of Care Assay Consulting	<b>Will Parsonage, Megan Campbell</b> .	2022-2023	Siemens Healthcare Diagnostics Inc	\$13,500
ARC Selection Advisory Committee project	<b>Kerry-Ann O'Grady</b> .	2022-2025	Australian Research Council	\$10,000
Speaker Agreement for NRLS	<b>Anne Chang</b> .	2022-2023	Zambon Group/ AstraZeneca Pty Ltd	\$13,363
Consultancy Agreement with Boehringer Ingelheim	<b>Anne Chang</b> .	2022-2024	Boehringer Ingelheim International	\$400
COMMERCIAL RESEARCH				
Point of Care Assay Consulting	<b>Will Parsonage, Megan Campbell</b> .	2022-2023	Siemens Healthcare Diagnostics Inc	\$13,500
ARC Selection Advisory Committee project	<b>Kerry-Ann O'Grady</b> .	2022-2025	Australian Research Council	\$10,000
Speaker Agreement for NRLS	<b>Anne Chang</b> .	2022-2023	Zambon Group/ AstraZeneca Pty Ltd	\$13,363
Consultancy Agreement with Boehringer Ingelheim	<b>Anne Chang</b> .	2022-2024	Boehringer Ingelheim International	\$400
Investing in Healthcare - how to get the most out of your resources	<b>Hannah Carter, Steven McPhail, Megan Campbell</b>	2021 - 2022	Australian Institute of Sport	\$20,000
Evaluation of the Program of Assistance for Survivors of Torture and Trauma (PASTT)	<b>Steven McPhail, Gillian Harvey, Megan Campbell, Sanjeewa Kularatna, Zephanie Tyack, Bridget Abell, Jo Durham, Hannah Carter</b>	2021 - 2022	Suicide Prevention and Digital Branch, Mental Health Division, Department of Health	\$660,319



PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	PRIMARY GRANT SCHEME NAME	PROJECT TOTAL FUNDS APPROVED
EXTERNALLY FUNDED SCHOLARSHIPS				
An evaluation of Quitline Queensland	<b>Kerry-Ann O'Grady</b>	2021 - 2025	Preventive Health Branch	\$140,000
Reference Values for Spirometry, Lung Volumes, Diffusing Capacity, and Fractional Exhaled Nitric Oxide in First Nations Australians	<b>Margaret McElrea, Andrew Collaro</b>	2021 - 2023	NHMRC - Dora Lush Biomedical Postgraduate Research Scholarship	\$85,245
Bench, bedside, and beyond transla-tional research programme to improve outcomes for patients suffering critical illness	John Fraser, <b>Nicole White.</b>	2022-2024	The Prince Charles Hospital Foundation	\$29,090
Feasibility, requirements and value of linkage of motor vehicle accident com-pensation, workers compensation and health data in Queensland	<b>Kirsten Vallmuur, Rex Parsons.</b>	2022-2023	Emergency Medicine Foundation Ltd:	\$17,985
MAIC Data Linkage Fellowship	<b>Angela Watson.</b>	2022-2024	Motor Accident In-surance Commission	\$605,739
Value of Prevention (VoP) project— Industry-sponsored PhD	<b>Sanjeewa Kularatna, Nirmali Sivapragasam, David Brain, Susan Clemens.</b>	2022-2025	Queensland Health	\$140,000
QCVRN Top Up Scholarship	<b>Sanjeewa Kularatna, Sumudu Hewage.</b>	2022-2025	The Prince Charles Hospital Foundation	\$15,000
				<b>TOTAL: \$8,978,059</b>

### Appendix 3: AusHSI Research Projects Ongoing and Completed in 2022

PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	ORGANISATION NAME
Dual-Centre Double Blind Randomised Controlled Trial (RCT) on Erdosteine for Improving Outcomes of Children with Bronchiectasis	<b>Anne Chang, I. Brent Masters, Steven McPhail, Julie Marchant, Vikas Goyal, Margaret McElrea,</b> Anne Cook, Daniel Arnold	2021 -2023	Children's Hospital Foundation
Statistical Methods for Quantifying Variation in Spatiotemporal Areal Data	Kerrie Mengersen, Joanne Frances Aitken, <b>Susanna Cramb</b> , Peter Baade, Darren Wraith, Mery Thompson	2021 - 2024	Australian Research Council
Driving Transformative Improvements in Cardiac Rehabilitation Services in Order to Enhance Outcomes Following Cardiac Events	<b>William Parsonage, Bridget Abell, Steven McPhail, Victoria McCreanor,</b> Muhandiramalage Kularatna	2021 - 2022	Defence Health Ltd
Pilot Testing of a Collaborative Shared Care Model for Detecting Neurodevelopmental Impairments after Critical Illness in Young Children	Deborah Long, Samudragupta Bora, Belinda L. Dow, Kristen Gibbons, James Best, Kerri-Lynn Webb, Christian Stocker, Helen Liley, <b>Zephania Tyack</b> , Debra Thoms, Carolyn Wharton	2021 - 2022	Children's Hospital Foundation
Codesign of a Health Literacy Framework (CaLD): Supporting Sexual Health Providers Meet the Needs of CaLD Young People	Margaret Durham, Amy Mullens, <b>Bridget Abell</b> , Kate Murray, Daniel Vujcich, Corie Gray, Faye Tafa, Brigid Scanlon, Kirstie Dakin, Joseph Debattista, Zhihong Gu, Naawa Sipilanyambe, Richard Osborne, Alison Reid, Gemma Crawford, Roanna Lobo	2021 - 2022	Australasian Society for HIV Medicine
Reference Values for Spirometry, Lung Volumes, Diffusing Capacity, and Fractional Exhaled Nitric Oxide in First Nations Australians	<b>Margaret McElrea</b> , Andrew Collaro	2021 - 2022	National Health and Medical Research Council
PREdiction and Diagnosis using Imaging and Clinical biomarkers Trial in Traumatic Brain Injury: the value of Magnetic Resonance Imaging	Fatima Nasrallah, David Reutens, Shekhar Chandra, James Walsham, Trevor Russell, Sandeep Bhuta, Jason Ross, Craig D. Winter, Siva Senthuran, Judith Bellapart, Adeline Hodgkinson, Alan Coulthard, Belinda J. Gabbe, Bruce Hall, Chamindie Punyadeera, Clifford Pollard, Dylan Flaws, Gary Mitchell, Iain Johnstone, Jacelle Warren, James McCullough, Karen Barlow, Karen Sullivan, Katie McMahon, Lisa Sorger, Maria Hennessy, Mark Midwinter, Mark Sheridan, Melinda Fitzgerald, Michael D. Walsh, Michael C. Reade, Michael Redmond, Michele M. Foster, Nathan Brown, Sarah Olson, Stephen E. Rose, Susanne Jeavons, Teresa Withers, Trevor Watkins, Victoria McCreanor, Virginia Newcombe	2021 - 2023	National Health and Medical Research Council
Novel modelling to improve decision-making for neighbourhood design to reduce chronic disease risk	Mark Daniel, Gavin Turrell, Suzanne Carroll, Margaret Cargo, Yogi Vidyattama, Khandoker Shuvo Bakar, Luis Salvador-Carulla, Nasser Bagheri, Anne Taylor, <b>Susanna Cramb</b>	2021 - 2024	National Health and Medical Research Council
Improving the utility of cardiopulmonary exercise testing at Queensland Children's Hospital and spirometry testing in primary care.	<b>Margaret McElrea</b>	2021 - 2023	Children's Hospital Foundation
Efficacy and acceptability of custom-made footwear in people with a history of diabetes-related foot ulcers	Jonathan Golledge, Malindu Fernando, Eric Lai, Kurwarjit Sangla, Jon Herreen, Ramesh Valu, Sean Taylor, <b>Peter Lazzarini</b> , Joseph Moxon, Aaron Drovandi	2021 - 2023	Tropical Australian Academic Health Centre



PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	GRANT SCHEME NAME
Utilising Social Robots in Aged Care: Legal Challenges and Solutions	Belinda Bennett, Peter Corke, Katherine White, Kelly Purser, Elizabeth Beattie	2021 - 2024	Australian Research Council
Finding New Genes and Mechanisms for the Stroke Syndrome CADASIL for Improved Molecular Diagnostics and Personalised Treatment Approaches	Lynette Griffiths, Heidi Sutherland, Roberto Barrero Gumiel, Larisa Haupt, Rodney Lea, Laura Bray, Nicole White, Derek Richard	2021 - 2023	National Health and Medical Research Council
Implementing a Comprehensive Care Pathway for Optimal Diagnosis and Management of Early Stage Breast Cancer in Sri Lanka	Muhandiramalage Kularatna, <b>Steven McPhail</b> , Raymond Chan, <b>Bridget Abell</b> , <b>David Brain</b> , <b>Sumudu Hewage</b> , Nuradh Joseph, <b>Nicole White</b> , Sabe Sabesan, Saneth Manatunga	2021 - 2025	National Health and Medical Research Council
Feasibility and Pilot Testing of a General Practitioner Shared Care Model for Detection and Early Intervention of Neurodevelopmental Vulnerabilities after Critical Illness in Young Children	Deborah Long, Andreas Schibler, Samudragupta Bora, Kristen Gibbons, Helen Liley, Dana Newcomb, Kerri-Lynn Webb, <b>Zephanie Tyack</b> , Christian Stocker	2021 - 2023	Hospitals Contribution Fund of Australia Ltd
Translation, Implementation, and Evaluation of best-practice burn First aid in prolonged Field Care and prehospital environments (TIER EFFECT)	Bronwyn Griffin, Tina Palmieri, Victor Joe, Roy M. Kimble, Fiona Wood, Nathan Kuppermann, Suzanne Bakker, Leila Cuttle, Yvonne Singer, <b>Steven McPhail</b> , Cody Frear, Robert Katzer, Promised Scholarship	2021 - 2025	United States Department of Defense
Providing Kidney Care Close to Home: Evaluating the Cape York Kidney Care Model	Andrea Miller, Leanne Brown, Alice Cairns, Jaquelyne Hughes, Murty Mantha, Muhandiramalage Kularatna, Robyn McDermott, Wendy Elizabeth Hoy	2021 - 2023	Metro North Hospital and Health Service (MNHHS)
Right From The Start: Protecting Peripartum Mental Health Through Efficient and Appropriate Maternity Model of Care Referrals in Primary Care	Yvette Miller, <b>Elizabeth Kate Martin</b> , Rachel Thompson, Marguerite Tracy, Emily Callander, Lyndal Trevena	2021 - 2024	National Health and Medical Research Council
A Common Condition with a Large Unmet Need: Improving the Outcomes of Chronic Wet Cough in Children through a Multi-Centre RCT to Prevent Recurrence (and Hence Bronchiectasis) and Identify Novel Marker	Anne Chang, Keith Grimwood, Steven McPhail, Katherine Baines, Maree Toombs, Julie Marchant, Danielle Wurzel, Gabrielle McCallum, John W. Upham, Vikas Goyal, Mark D. Chatfield, Peter Stanley Morris, I. Brent Masters, Lesley Versteegh, Stephanie T. Yerkovich, Helen M. Buntain, Nicholas West, Heidi C. Smith-Vaughan	2021 - 2025	National Health and Medical Research Council
Transforming Perioperative Temperature Management for Better Patient Outcomes (The NEAT Trial)	Judith Munday, Jeremy Duff, Fiona Wood, David Sturgess, Samantha Keogh, Nicholas Ralph, Nicole White, Hannah Carter, Ian Graham, Marghie Murgo, Nicholas Fernandes, Kerstin Wyssusek, Bipphy Kath, Ruth Melville, Allison Kearney, Mary-Anne Ramis, Kathryn Kynoch, Christine Woods	2021 - 2024	National Health and Medical Research Council

PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	GRANT SCHEME NAME
Implementation of Negative Pressure for Acute Paediatric Burns	Bronwyn Griffin, Roy M. Kimble, Fiona Wood, Andrew Holland, <b>Steven McPhail</b> , Warwick Teague, Leila Cuttle, Jeremy Duff, Natalie Phillips, Dianne Crellin, Yvonne Singer, Cody Frear, Dimitrios Vagenas, Paula Calleja	2021 - 2024	National Health and Medical Research Council
TRANSFORM Transformative Real-Time Analytic System for Orthopaedic Medicine	Ross Crawford, Nadine Foster, Katherine Wallis, Michelle Baddeley, Katrina Skellern, Anjali Tumkur Jaiprakash, Rob Wood, Eric Garling, Alison Long, Amaia Polancos, <b>Steven McPhail</b> , Muhandiramalage Kularatna, Evonne Miller, Janet McColl-Kennedy, Rebekah Russell-Bennett, Marianella Chamorro-Koc, Gavin Lenton, Kerrie Mengersen, Matthew Bellgard, Nikolajs Zeps, Tom Verhelst, Clair Sullivan, Guido Zuccon, Keith David McNeil, Ides Wong	2021 - 2022	Department of Health, Australian Government
Primary Care Early Screening and Routine Feedback for Detecting Neurodevelopmental Vulnerability after Critical Illness in Young Children: An Effectiveness-Implementation Trial (DAISY Study)	Deborah Long, Luregn Schlapbach, Simon Erickson, <b>Zephanie Tyack</b> , <b>Steven McPhail</b> , Jeremy Duff, Samudragupta Bora, Helen Liley, Kristen Gibbons, Susan Walker, Jessica Schults, Belinda L. Dow, Kerri-Lynn Webb, Christian Stocker, Debra Thoms, Carolyn Wharton, James Best, Joseph Manning, Martha A.Q. Curley	2021 - 2025	National Health and Medical Research Council
Oral Bacterial Lysate to Prevent Persistent Wheeze in Infants After Severe Bronchiolitis; A Randomised Placebo Controlled Trial (BLIPA; Bacterial Lysate in Preventing Asthma)	<b>Anne Chang</b> , Keith Grimwood, Jonathan Grigg, Allan W. Cripps, <b>Steven McPhail</b> , Danielle Wurzel, Hiran Selvadurai, Debby Bogaert, Stephanie T. Yerkovich, Robyn Marsh, <b>Julie Marchant</b>	2021 - 2026	National Health and Medical Research Council
Comprehensive Genomic Assessment of Non-Small Cell Lung Cancer Using Cutting Edge Technologies	Kenneth O'Byrne, Arutha Jeevana Kulasinghe, Gavin Wright, Matt Trau, Quan Nguyen, Nick Pavlakis, Gabrielle T. Belz, Paul Leo, <b>Steven McPhail</b> , Duncan Lambie, Maciej Trzaskowski, Andreas Moeller, Matthew Foster, Michel Itel, Darren Korbie, Fraser Brims, Sunil Bodapati	2021 - 2025	Department of Health, Australian Government
The Role of Genomics in Newborn Screening	Michael Gabbett, Lynette Griffiths, <b>Hannah Carter</b> , Ainsley Newson, James McGill, Ronda Greaves, Tiffany Wotton, Jacobus Ungerer, Ricky Price, Matthew Brown, John Christodoulou, Edwin Kirk, Kaustuv Bhattacharya, Rodney Lea, Robert Smith, Larisa Haupt, Neven Maksemous	2021 - 2025	Department of Health, Australian Government
Improving Outcomes for Children with Bronchiectasis: A Multicenter RCT using a Novel Mucolytic	<b>Anne Chang</b> , Keith Grimwood, Allan W. Cripps, <b>Julie Marchant</b> , <b>Vikas Goyal</b> , Mark D. Chatfield, Robyn Marsh, Anna Nathan, Marion Sanchez	2021 - 2025	Thrasher Research Fund
Nanotechnology Enabled Liquid Biopsies for the Early Diagnosis of Lung Cancer	Kenneth O'Byrne, Thomas John, Matt Trau, Andreas Moeller, Arutha Jeevana Kulasinghe, Alain Wuethrich, Abu Sina, Fraser Brims, Shivashankar Hiriyur Nagaraj, <b>Hannah Carter</b> , Anne Bernard, Michel Itel, Nick Pavlakis, Frank Sullivan, Emily Stone, Gavin Wright, Malinda Itchins, Christos Stelios Karapetis, Christopher Cole, Paul Mitchell	2021 - 2024	National Health and Medical Research Council
An International collaboration to improve the care of children with bronchiectasis (Improve Bronchiectasis CRC)	<b>Anne Chang</b> , Keith Grimwood, Jeanette Boyd, Andy Bush, Rebecca Fortescue, Bulent Karadag, Efthymia Alexopoulou, Angela Zacharasiewicz, Oleksandr Mazulov, Andrew Collaro, Carolina Constant, Jonathan Grigg, Christine Wilson, Adam T. Hill, James Chalmers, Marijke Proesmans, Dominik Hartl, Andreas Hector, Fabio Midulla, Alexander Müller, Matthias Griesse	2021 - 2024	European Respiratory Society
Oral Bacterial Lysate to Prevent Persistent Wheeze in Infants After Severe Bronchiolitis; A Randomised Placebo Controlled Trial (BLIPA; Bacterial Lysate in Preventing Asthma)	<b>Anne Chang</b> , Keith Grimwood, Jonathan Grigg, Danielle Wurzel, <b>Steven McPhail</b> , Hiran Selvadurai, Allan W. Cripps, Gabrielle McCallum, Debby Bogaert, <b>Stephanie T. Yerkovich</b> , Peter Stanley Morris, Robyn Marsh, <b>Julie Marchant</b>	2021 - 2026	Department of Health, Australian Government



PROJECT TITLE	PROJECT INVESTIGATORS	PROJECT YEARS	GRANT SCHEME NAME
Perinatal microbe-host interactions regulate neonatal dendritic cell development	Simon Phipps, Paul Dennis, <b>Anne Chang</b>	2021 - 2024	National Health and Medical Research Council
Understanding chronic cough in children ù an extension to further explore protracted bacterial bronchitis	Robyn L Marsh, <b>Margaret McElrea</b>	2021 - 2023	National Health and Medical Research Council
An evaluation of Quitline Queensland	<b>Kerry-Ann O'Grady, Remail Mitchell</b>	2021 - 2025	Queensland Health Department of Health
The Staphylococcus aureus Network Adaptive Platform Trial	Steven Y.C. Tong, <b>Hannah Carter</b>	2021 - 2025	National Health and Medical Research Council
Investing in Healthcare - how to get the most out of your resources	<b>Hannah Carter, Steven McPhail, Megan Campbell</b>	2021 - 2022	Australian Institute of Sport
PaNURAMA Inter-facility Transfer Tool Validation: A validation study of the Paediatric Non-Urgent, Risk Assessment, Mgmt and nurse escort Asmt [PaNURAMA] Tool for safe children's inter-facility Transfer	Michelle Davison, Clare Thomas, Bronwyn Griffin, Muhandiramalage Kularatna, Lauren MacDowall, <b>Nicole White</b> , Roni Cole, David Crookston, Anthony Slater, Michelle Thompson, Sharri Mace, Sarah Davidson	2021 - 2022	Emergency Medicine Foundation Ltd



# Contact us

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