

WESTMEAD APPLIED RESEARCH CENTRE

2024 HIGHLIGHTS



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THE UNIVERSITY OF
SYDNEY

—
Westmead Applied
Research Centre

DIRECTOR'S MESSAGE



2024 marked a year of significant growth and innovation for WARC. We kicked off the year with a productive strategy planning session in Terrigal, where our team shared knowledge and fostered a collaborative spirit. The painting produced by the team is now displayed at WARC, and you can check it out when you next visit. Building on the recommendations from our 2023 external review and the insights gained during our strategy day, we've progressed several new initiatives. We've established the WARC Executive Management Committee to provide strategic leadership and oversight. We have invested in and identified more opportunities for our team to develop new skills. We have instigated and contributed to collaborative initiatives to increase and diversify our research, including supporting initiatives such as Australian Stroke and Heart Research Accelerator (ASHRA), Stroke Trial Innovation & Translation and Sprint2Create.

In 2024, we're also welcomed many new staff members, students and new Principal Investigator Prof. Eddy Kizana - with expertise in developing novel gene therapy approaches for common cardiac arrhythmia and Academic Member Dr Bradley Christian in Public Health dentistry. We have also many staff achievements to celebrate including three PhD completions (Dr Kam Wong, Dr Simone Marschner and Dr Ritu Trivedi) and three Academic promotions (A/Prof. Liliانا Laranjo, A/Prof. Pierre Qian and Professor Eddy Kizana). Finally, a major milestone for the year was the launch of DigiCuris, our innovative new digital platform. This platform brings more ability to create and personalise digital support programs for chronic disease patients. We anticipate its widespread adoption by both local and national groups.

Best wishes Clara Chow AM | Professor of Medicine and Academic Director

WARC AT A GLANCE

130

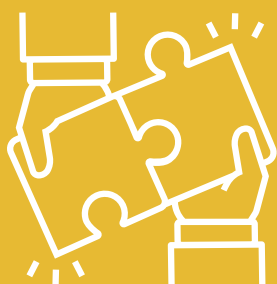
ACTIVE PROJECTS

New Clinical Approaches
53.1%



Digital Health & Technology
31.5%

Equity in Healthcare Access
15.4%



180

RESEARCH
PARTNERS



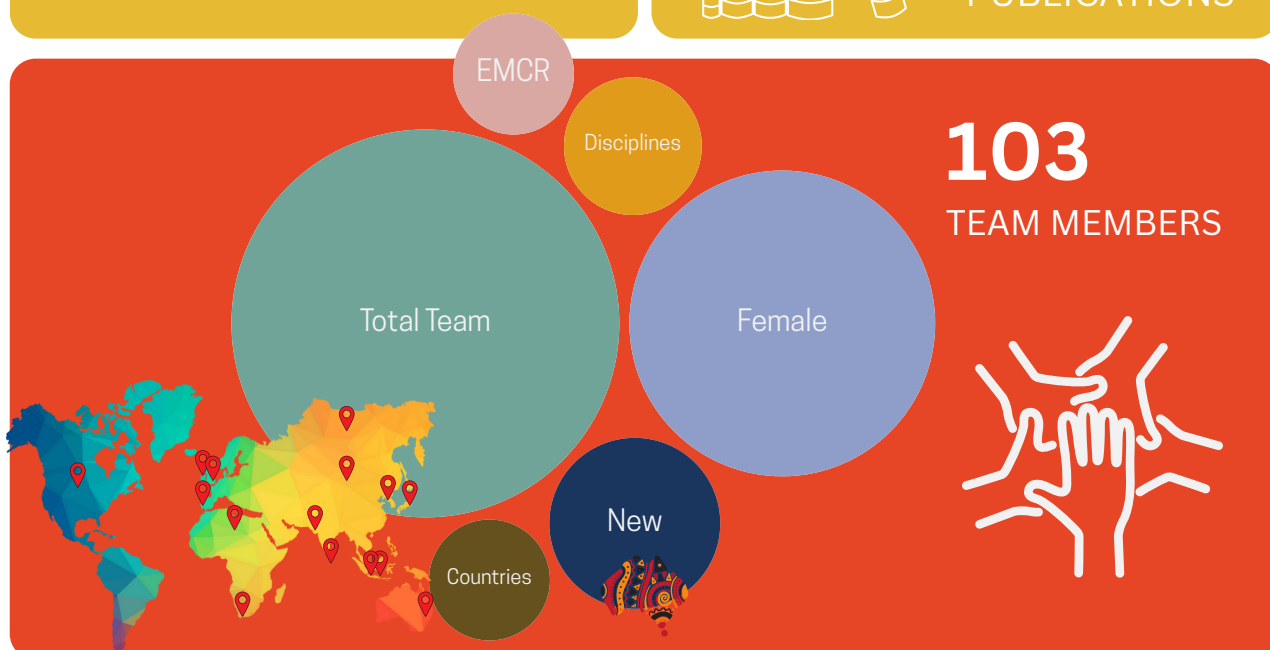
\$3.5m

GRANTS
RECEIVED



183

PUBLICATIONS



OUR STRUCTURE

GOVERNANCE

Following the WARC external review in 2023, an Executive Management Committee (EMC) was established in 2024. The EMC's primary role is to oversee and support the Centre's academic and operational activities, ensuring alignment with our business and project plans. The committee will also work closely with the Academic Director to advance WARC's strategic goals in capacity building, education, research and overall performance. EMC members are:



Clara Chow

Academic Director,
WARC



Richard Lindley

WARC PI –
Geriatrician



Alistair McEwan

WARC PI – Engineer
USYD



Craig Shuard

Research Admin
Manager



Leanne Togher

WARC PI –
Allied Health



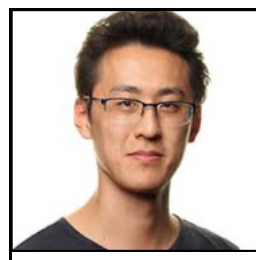
Liliana Laranjo

WARC EMCR / Program
Lead



Marina Ali

Centre Manager,
WARC



Pierre Qian

WARC EMCR / Program
Lead



Sarah Zaman

WARC EMCR / Program
Lead



Shalinie King

WARC EMCR / Program
Lead



Tim Shaw

WARC PI –
Digital Health



Vincent Lee

WARC PI –
Nephrologist

WARC STRATEGY DAY - TERRIGAL



WARC held a successful two-day strategy session at Crown Plaza Terrigal in March 2024. Following closely on the heels of the Centre's five-year review, the timing was ideal for charting our future course. One of the key outcomes was a commitment to increased support for Early and Mid-Career Researchers (EMCRs), leading to the announcement of the WARC Seed Funding Scheme. The scheme was designed to give EMCRs an opportunity to build their track record, grow their collaborative networks and develop a project that is competitive for external funding. Congratulations to the recipients:

- **Dr Shalinie King** - "Characterising the oral disease burden in patients attending a diabetes care clinic at Westmead Hospital"
- **Dr Edel O'Hagan** - "Peer support for better BP control"
- **Dr Sonali Munot** - "Co-designing learning feedback for use in kiosk-based automated CPR training in the community"



THE TEAM

A WARM WELCOME TO NEW TEAM MEMBERS



Prof Eddy Kizana

Principal Investigator

Dr Bradley Christian

Academic Member



Agnivo Sengupta (Research Assistant)

Alex Sang (Research Assistant)

Amanda Holyer (Research
Administration Officer)

Amina Thipayawat (Research Assistant)

Anjani Meka (Research Assistant)

Carina Choy (MPhil Candidate)

Claire Nui (CT Project manager)

Dominique Hespe (Research Assistant)

Emanuel Shariev (Research Assistant)

Istella Al Shorachi (Research Assistant)

Jenny Jung (Research Assistant)

Kelly Chen (Research Support Officer)

Lachlan Munro (Research Admin Officer)

Laura Vitellaro (Research Admin Officer)

Lee Liao (PhD Candidate)

Madeleine Watson (Research Assistant)

Nayana Patel (Research Admin Officer)

Patrick Pender (PhD Candidate)

Perpethua Ali (Aboriginal Community
Engagement Officer)

Sandra Takchi (Research Assistant)

Syeda Owais (Senior Research Admin
Officer - CRE)

Vivienne Guan (Research Fellow)

THE TEAM

ACADEMIC PROMOTIONS



Prof Eddy Kizana
(Level E)



A/Prof Liliana Laranjo
(Level D)



A/Prof Pierre Qian
(Level D)

DEGREES CONFERRED

Dr Kam Wong (PhD)

Dr Ritu Trivedi (PhD)

Dr Simone Marschner (PhD)



From left: A/Prof Liliana Laranjo, Dr Ritu Trivedi, Dr Simone Marschner, Prof Clara Chow, Dr Kam Wong

THE TEAM

PRIZES AND AWARDS



Congratulations to Program Lead A/Prof Liliana Laranjo who received a Horizon Fellowship. The Fellows represent an unprecedented \$100m investment by the University, recruiting the best and brightest early- and mid-career academics who will boost our research capability and focus on solving the complex problems of our time, relating to climate change, health and sustainability.



Congratulations to PhD student Lauren Church for being selected the winner of 🏆 the "Best PhD Public Health oral presentation"!!

Congratulations to Principal Investigator Professor Leanne Togher who was recently awarded Australian 2024 Speech Pathologist of the Year at the Allied Health Awards ceremony on the Gold Coast.



Congratulations to Principal Investigator Professor Pablo Fernández-Peñas, and his team of researchers at ACRF ACEMID (Australian Cancer Research Foundation & Australian Centre of Excellence in Melanoma Imaging and Diagnosis), who have won the Eureka Prize (affectionately known as the “Oscars” of Science in Australia) for Interdisciplinary Scientific Research.

Congratulations Dr Ashwin Bhaskaran and Dr Kasun De Silva, cardiologists currently doing doctoral studies with A/Prof Saurabh Kumar. Their research on improving our understanding and management of malignant heart rhythm disorders has been nationally recognised at the Cardiac Society of Australia and New Zealand 2024 Annual Scientific Meeting, held in Perth. Dr Bhaskaran won the 2024 Cardiovascular Genetics Prize while Dr De Silva won the 2024 Heart Rhythm Prize.



GRANTS & PUBLICATION HIGHLIGHTS

PUBLICATION EXCELLENCE



183

Publications



58

High ranking
(IF > 5)



9

New grants



80

International
collaborations

WARC remains dedicated to producing high-quality, impactful publications. In 2024, WARC led or contributed to over 180 publications spanning our research themes. Many were published in top-tier global journals (IF > 5), and 80 were co-authored with international collaborators.

Congratulations to our outstanding researchers for consistently delivering exceptional work.

GRANT HIGHLIGHTS

Prof Clara Chow and team were awarded **\$3M** in June 2024 from the MRFF Cardiovascular Health Mission for “CARDIOCHARGE- CARDIOvascular support for patients after disCHARGE”, a personalised digital health program supporting cardiovascular patients post-discharge. This exciting program will be delivered through our WARC owned and created DigiCuris platform.

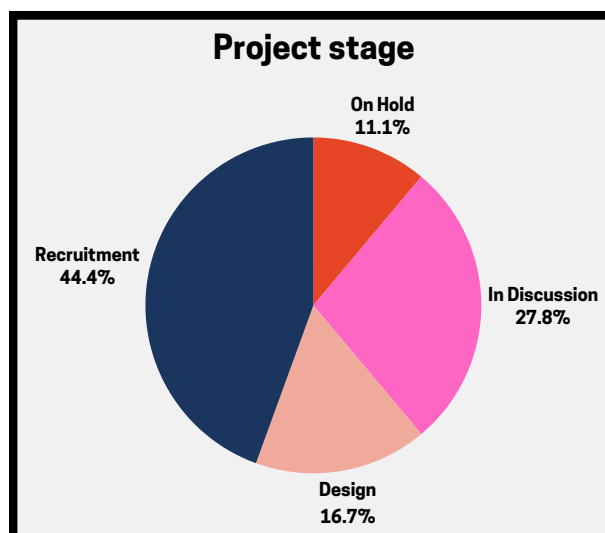
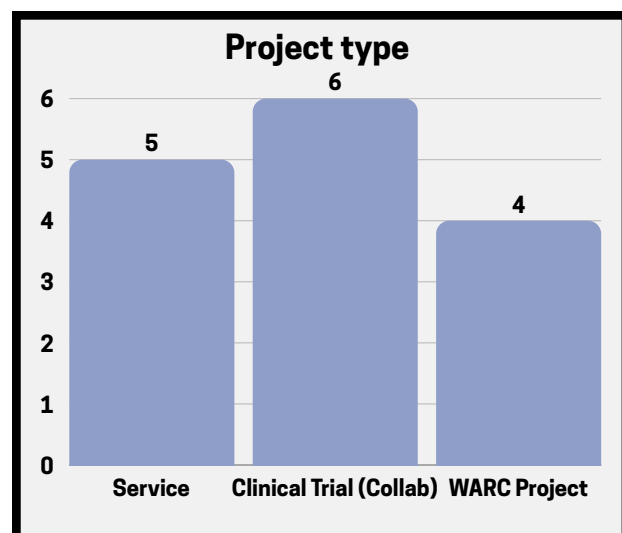
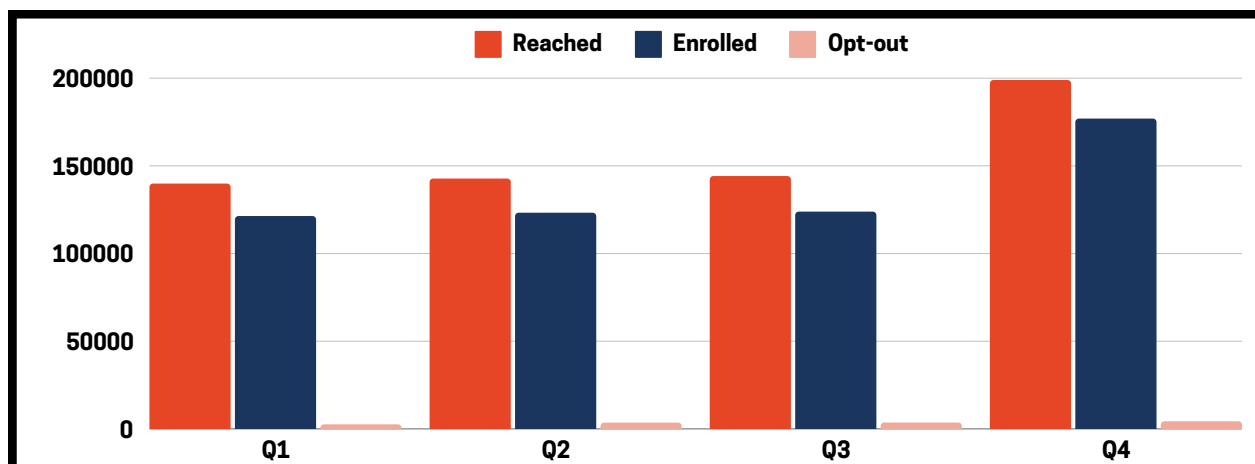
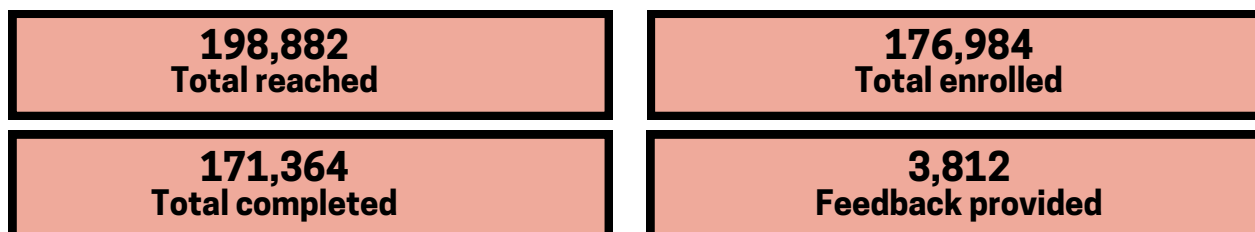
Dr Minh Duc Nguyen received **\$150,000** from the Heart Foundation Vanguard Grant scheme for a project entitled “Improving the treatment of lethal heart rhythm disorders: a medical device (Lesiologic) for seeing heart scars and tracking catheter ablation therapy”.

Dr Sonali Munot is a Chief Investigator on a project entitled “Improving outcomes and survivorship following sudden cardiac arrest in the young - IMPROVE-SCA”, led by A/Prof Jodie Ingles. The project received **\$5M** from the MRFF Cardiovascular Health Mission.

DIGICURIS

In 2024 we launched DigiCuris. This new digital health platform enables large-scale, customised, and more personalised support for participants, providing us with a powerful tool to advance our research. Incorporating feedback from clinicians, researchers and consumers, we have enhanced our AI and ML capabilities and added features that allow us to improve capability & efficiency. Key new features include support for multiple languages, RedCap integration, delivery of email, addition of a new app and in-app notifications, and comprehensive reporting. See our 2024 statistics below of participants and projects.

Cumulative number of participants on our digital platforms since 2020



COLLABORATION AND PARTNERSHIP

NEW PARTNERS

We continue to form new and strengthen existing local and international collaborations and partnerships both international (PHRI Canada), national (First Nations groups NT), and bringing collaborators to Westmead (Sydney Nano).

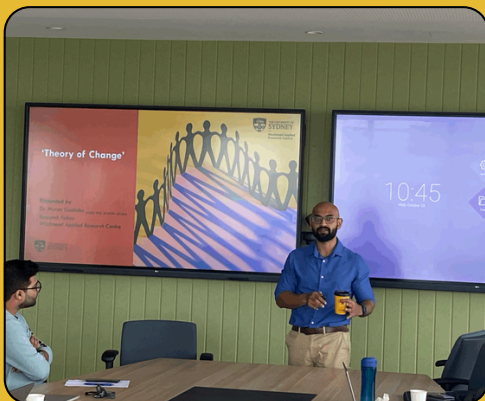


Clara Chow and Tim Shaw visiting with First Nations groups on Tiwi Island

Showcasing Our Work

Recently, we were privileged to join the Westmead Precinct who hosted an end-of-year showcase event, recognising achievements from 2024 across all Westmead organisations.

Attendees also had the opportunity to hear about the latest news, events and activities from Partners and stakeholders.



Research Fellow Myron Godinho delivering an absolutely incredible session on the Theory of Change as part of UNSW Impact X program!



“

Innovation is core to us here at the Westmead Precinct, and our environment regularly inspires our creativity”

Professor Clara Chow

Westmead Applied Research Centre (WARC)
Western Sydney Local Health District (WSLHD)

COLLABORATIVE INITIATIVES

CENTRE OF RESEARCH EXCELLENCE FOR STROKE TRIAL INNOVATION AND TRANSLATION

The National Health and Medical Research Council funded Centre of Research Excellence for Stroke Trial Innovation and Translation is coordinated at WARC, under the direction of Professor Richard Lindley (an academic geriatrician and stroke trialist). The Centre is in its 2nd year of a 5-year funding program with a remit to:

- Obtain funding for large-scale new 'lived experience' (stroke consumer) co-designed trials (following CRE funded pilot studies)
- Improve trial participation by providing start-up funds for new stroke trial recruiting sites – particularly in regional areas
- Train a new cohort of expert stroke trial researchers across the disciplines
- Use the best technology (telestroke, big data and Artificial Intelligence) to improve efficiencies
- Enhance collaboration



The first pilot studies were awarded to:

Dr Natalie Fini, University of Melbourne: Fit 4 Me After Stroke - Co-designed, Personalised Physical Activity Programs in People with Mild Stroke Tested via an Innovative Early-Phase Trial Design.

Dr Hannah Johns, also of University of Melbourne: An Integrated Toolkit for the Development and Implementation of Co-Designed Desirability Of Outcome Ranking Measures in Stroke Clinical Trials.

The first site to receive funding was Townsville Hospital and Health Service, and the big win here was that the local team, have also managed to raise a further \$190,000 to support their start up efforts.

A key part of the program is how we embed stroke consumers into all our work, and the CRE's Lived Experience Advisory Group (as they prefer to be called) has grown substantially, and created some great resources (see our website at: <https://stroke-trials-cre.org.au/>).

The CRE annual collaborator meeting, held in partnership with the George Institute for Global Health and the Hunter Medical Research Institute was recently held in Newcastle, facilitated by Professor Miranda Rose (La Trobe University), with a quarter of the attendees being stroke consumers or carers (see picture). Aside from the great science, the attendees were delighted to watch the regular large pod of dolphins share the surf with the morning surfers from the conference room at Noah's on the Beach.

Please contact Professor Richard Lindley (richard.lindley@sydney.edu.au) for further information and visit our website at <https://stroke-trials-cre.org.au/>

COLLABORATIVE INITIATIVES

AUSTRALIAN STROKE AND HEART RESEARCH ACCELERATOR (ASHRA)

The annual Australian Stroke and heart Research Accelerator (ASHRA) Partnering Summit was held on Friday December 6 at the Garvan Institute. Prof Clara Chow, Deputy Director of ASHRA welcomed over 100 delegates, including clinicians, researchers, industry experts and funding bodies, to share ASHRA's achievements in the field of cardiovascular research acceleration. The program included a session focused on ASHRA's First Nations Program ,chaired by ASHRA's Indigenous Lead, Prof Alex Brown, an extended session highlighting some of ASHRA's 25 strong Research portfolio discussing the impact of their research, including a presentation from WARC's Prof Clara Chow presenting, on behalf of Dr Brodie Shean, on the PARTICIPATE study and a pitch session which provided some of our EMCRs an opportunity to pitch the commercialisation /translation pathway of their research:



L-R Ms Asha Puvan, Mr Richard Taggart, Ms Zoe Rock



L-R The ASHRA EMC: Prof Jason Kovacic, Victor Chang Cardiac Research Institute; Prof Stephen Davis AO, University of Melbourne, Ms Karen Carey, Prof Bruce Neal, The George Institute for Global Health, Prof Clara Chow AM, University of Sydney, Prof Alex Brown, ANU, Mr Richard Taggart, Prof Geoff Donnan AO

Dr Zoe Clayton presented the research translation journey of their stem cell derived cardiomyocytes for heart failure project. A poster session for EMCRs was also a highlight of the day. Posters were presented by 16 EMCRs, WARC EMCRs won 3 of the 5 prizes awarded: Drugs/Therapeutics Prize, Dr Leila Reyes, Defining the target product profile of low arrhythmogenic and clinical grade induced pluripotent stem cell derived cardiomyocytes; Medical Device Prize, Dr Edward Yang, Renal vein impedance mirrors change in renal blood flow – Towards guiding effective renal denervation; and People's Choice Award, Ms Zoe Rock, My Intelligent Cardiac Assistant (MICardiac): an artificial intelligence support program for patients with high blood pressure.

COMMUNITY AND CULTURE

FRIENDS OF WARC CONSUMER PARTNERSHIP

In June, the WARC team, led by Edel O'Hagan and Sally McNeill, successfully hosted a "Friends of WARC" event. This gathering brought together researchers



and consumers to discuss their collaborative work on WARC research projects. The event provided a valuable platform for networking by facilitating connections between researchers and consumers. Following the event, there has been significant interest from individuals with lived experience, carers, and researchers in joining the "Friends of WARC" community. We currently have a list of over 50 consumers eager to connect with researchers for potential collaborations.



At WARC, we understand the significance of celebrating social and cultural differences. We created these events which foster positive relationships, create a relaxed and enjoyable work environment, and allow us to appreciate the diverse backgrounds of our talented team. This year, we experienced a Korean BBQ, Egyptian Cuisine, traditional Sri Lankan Lunch and celebrated Diwali!

WARC END-OF-YEAR CHARITY EVENT...

What a lovely way to end the year, with a "build to gift" charity event. During this fabulous initiative we got to have some fun with Lego, knowing some families would be receiving brand new Lego sets at Ronald McDonald House at [The Children's Hospital at Westmead](#).

Lovely to know this makes a difference in so many families' lives.

& AWARDS

WARC Excellence Award: **Swetha Perera**

WARC Innovation Award: **Vu Tran**

WARC Integrity Award: **Sonali Munot**

WARC Spirit Award: **Sally McNeill**



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APPENDIX 1 - PUBLICATIONS Q1 & 2

1. Agarwal A, Mehta PM, Jacobson T, Shah NS, Ye J, Zhu J, et al. Fixed-dose combination therapy for the prevention of atherosclerotic cardiovascular disease. *Nature Medicine*. 2024;30(4):1199-209. (IF 58.7)
2. Allida SM, Hackett ML, Lindley R, Hill K, Ferguson C. A practical guide to living evidence: Reducing the knowledge-to-practice gap. *Eur J Cardiovasc Nurs*. 2024. (IF 2.9)
3. Altinger G, Sharma S, Maher CG, Cullen L, McCaffery K, Linder JA, et al. Behavioural 'nudging' interventions to reduce low-value care for low back pain in the emergency department (NUDGED): protocol for a 2×2 factorial, before-after, cluster randomised trial. *BMJ Open*. 2024;14(3). (IF 2.4)
4. Antonic-Baker A, Auvrez C, Tao G, Bagg MK, Gadowski A, McKimmie A, et al. The Australian Traumatic Brain Injury Initiative: Systematic Review and Consensus Process to Determine the Predictive Value of Pre-existing Health Conditions for People with Moderate-Severe Traumatic Brain Injury. *Journal of Neurotrauma*. 2024. (IF 3.9)
5. Balaji P, Barry MA, Tran VT, Marschner S, Lu J, Nguyen DM, et al. Long-Term Safety and Efficacy of Transcatheter Microwave and Radiofrequency Denervation in a Chronic Ovine Model. *Journal of the American Heart Association*. 2024;13(9). (IF 5)
6. Bamgboje-Ayodele A, Boscolo A, Hutchings O, Shaw M, Burger M, Taggart R, et al. Fighting the Same Battles on a New Battleground: Embedding Technologies in a Virtual Care Environment. *Studies in Health Technology and Informatics* 2024. p. 1066-70.
7. Bhaskaran A, Kumar S. Delving Deeper into the Causes of Sudden Death in the Young—The Importance of Distinguishing “Signal” from “Noise”. *Heart Lung and Circulation*. 2024;33(1):4-6. (IF 2.2)
8. Borges FK, Sessler DI, Tiboni M, Patel A, LeManach Y, Heels-Ansdell D, et al. The relative merits of using a high-sensitivity cardiac Troponin T assay compared to a nonhigh-sensitivity troponin T assay after noncardiac surgery. *American Heart Journal*. 2024;275:45-52. (IF 3.7)
9. Brassel S, Brunner M, Campbell A, Power E, Togher L. Exploring Discussions About Virtual Reality on Twitter to Inform Brain Injury Rehabilitation: Content and Network Analysis. *Journal of Medical Internet Research*. 2024;26(1). (IF 5.8)
10. Brauer M, Roth GA, Aravkin AY, Zheng P, Abate KH, Abate YH, et al. Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2162-203. (IF 98.4)
11. Brunner M, Rietdijk R, Summers K, Southwell K, Avramovic P, Power E, et al. 'It gives you encouragement because you're not alone': A pilot study of a multi-component social media skills intervention for people with acquired brain injury. *International Journal of Language and Communication Disorders*. 2024;59(2):543-58. (IF 1.5)
12. Carragher M, Mok Z, Steel G, Conroy P, Pettigrove K, Rose ML, et al. Towards efficient, ecological assessment of interaction: A scoping review of co-constructed communication. *International Journal of Language and Communication Disorders*. 2024;59(3):831-75. (IF 1.5)
13. Chen C, Ren X, Zhao Y, Ouyang M, Li M, Biostat Q, Wang X, et al. Intensive Blood Pressure Lowering and Renal Function in Ischemic Stroke Patients: Secondary Analysis of the ENCHANTED Trial. *Cerebrovascular Diseases*. 2024. (IF 2.2)
14. Cheung NW, Simmons D, Marschner S, Thiagalingam A, Pasupathy D, Smith BJ, et al. Randomised Controlled Trial of a Customised Text Messaging and Activity Monitor Program for Lifestyle Improvement after Gestational Diabetes. *Nutrients*. 2024;16(6). (IF 4.8)
15. Church LA, Robins L, Xu F, Qin L, Tran A, Wallace JP, et al. Oral health education strategies for patients living with cardiovascular disease within hospital settings: a scoping review. *Frontiers in Public Health*. 2024;12. (IF 3.0)
16. Dafaalla M, Abramov D, Van Spall HGC, Ghosh AK, Gale CP, Zaman S, et al. Heart Failure Readmission in Patients With ST-Segment Elevation Myocardial Infarction and Active Cancer. *JACC: CardioOncology*. 2024;6(1):117-29. (IF 12)

APPENDIX 1 - PUBLICATIONS Q1 & 2

17. Dang Q, Murphy B, Graham RM, Puri A, Ford S, Marschner S, et al. Patients' perspective of quality-of-care and its correlation to quality-of-life following spontaneous coronary artery dissection. *Eur J Cardiovasc Nurs*. 2024;23(4):400-7. (IF 2.9)
18. Denham N, Ding WY, Campbell T, Modi S, Luther V, Todd D, et al. UltraSOUND-based characterization of ventricular tachycardia SCAR and arrhythmogenic substrate: The SOUNDSCAR study. *Heart Rhythm*. 2024;21(1):45-53. (IF 5.6)
19. Dennis M, Shekar K, Burrell AJC, Austin D, Anderson D, Bernard S, et al. Extracorporeal cardiopulmonary resuscitation for refractory cardiac arrest in Australia: a narrative review. *Medical Journal of Australia*. 2024;220(1):46-53. (IF 6.7)
20. Elbourn E, Brassel S, Steel J, Togher L. Perceptions of communication recovery following traumatic brain injury: A qualitative investigation across 2 years. *International Journal of Language and Communication Disorders*. 2024;59(2):463-82. (IF 1.5)
21. English C, Ramage ER, Attia J, Bernhardt J, Bonevski B, Burke M, et al. Secondary prevention of stroke. A telehealth-delivered physical activity and diet pilot randomized trial (ENABLE-pilot). *International Journal of Stroke*. 2024;19(2):199-208. (IF 6.3)
22. Ferkh A, De Silva K, Pham J, Stefani L, Byth K, Clark A, et al. Left atrial shape as a marker of atrial myopathy in embolic stroke of undetermined source. *European Heart Journal Cardiovascular Imaging*. 2024. (IF 6.7)
23. Ferrari AJ, Santomauro DF, Aali A, Abate YH, Abbafati C, Abastabar H, et al. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2133-61. (IF 98.4)
24. Folder N, Power E, Rietdijk R, Christensen I, Togher L, Parker D. The Effectiveness and Characteristics of Communication Partner Training Programs for Families of People With Dementia: A Systematic Review. *Gerontologist*. 2024;64(4). (IF 4.6)
25. Francis A, Wainstein M, Irish G, Abdul Hafidz MI, Chen T, Cho Y, et al. Capacity for the management of kidney failure in the International Society of Nephrology Oceania and South East Asia (OSEA) region: report from the 2023 ISN Global Kidney Health Atlas (ISN-GKHA). *Kidney International Supplements*. 2024;13(1):110-22. (IF 19.3)
26. Gibson AA, Cox E, Schneuer FJ, Humphries J, Lee CMY, Gale J, et al. Sex differences in risk of incident microvascular and macrovascular complications: a population-based data-linkage study among 25 713 people with diabetes. *Journal of Epidemiology and Community Health*. 2024. (IF 4.9)
27. Girgis CM, Choi Y, Ebeling PR. Australian clinicians' perceptions of patients with very high risk of fracture. *Internal Medicine Journal*. 2024;54(6):891-6. (IF 1.8)
28. Gnanenthiran SR, Barnhart M, Tan I, Zeng M, O'Hagan E, Gianacas C, et al. Shop-to-Stop Hypertension: A multicenter cluster-randomized controlled trial protocol to improve screening and text message follow-up of adults with high blood pressure at health kiosks in hardware retail stores. *Contemporary Clinical Trials*. 2024;143. (IF 2.0)
29. Gupta A, Danaila V, De Silva K, Bhaskaran A, Turnbull S, Wong MS, et al. The Current Landscape of Ventricular Tachycardia Trials: A Systematic Review of Registered Studies. *Heart Lung and Circulation*. 2024. (IF 2.2)
30. Gupta A, Prabhu MA, Anderson RD, Prasad SBV, Campbell T, Turnbull S, et al. Ebstein's anomaly: an electrophysiological perspective. *Journal of Interventional Cardiac Electrophysiology*. 2024;67(4):887-900. (IF 2.1)
31. Hafiz N, Hyun K, Tu Q, Knight A, Hespe C, Chow CK, et al. Process evaluation of a data-driven quality improvement program within a cluster randomised controlled trial to improve coronary heart disease management in Australian primary care. *PLoS ONE*. 2024;19(6 June). (IF 2.9)

APPENDIX 1 - PUBLICATIONS Q1 & 2

32. Haji K, Vogrin S, D'Elia N, Noaman S, Bloom JE, Lefkovits J, et al. Effect of COVID-19 Pandemic Lockdown on Emergency Medical Service Utilisation, and Percutaneous Coronary Intervention Volume—An Australian Perspective. *Heart Lung and Circulation*. 2024. (IF 2.2)
33. Hall Z, Elbourn E, Togher L, Carragher M. Co-constructed communication therapy for individuals with acquired brain injury: A systematic review. *International Journal of Language and Communication Disorders*. 2024;59(2):496-518. (IF 1.5)
34. Han Q, You S, Maeda T, Wang Y, Ouyang M, Li Q, et al. Predictors of Early versus Delayed Neurological Deterioration after Thrombolysis for Ischemic Stroke. *Cerebrovascular Diseases*. 2024. (IF 2.2)
35. Hawson J, Anderson RD, Das SK, Al-Kaisey A, Chieng D, Segan L, et al. Optimal Annotation of Local Activation Time in Ventricular Tachycardia Substrate Mapping. *JACC: Clinical Electrophysiology*. 2024;10(2):206-18. (IF 8.0)
36. Hu K, Cassimatis M, Girgis C. Exercise and Musculoskeletal Health in Men With Low Bone Mineral Density: A Systematic Review. *Archives of Rehabilitation Research and Clinical Translation*. 2024;6(1). (IF 1.9)
37. Huffman MD, Baldridge AS, Lazar D, Abbas H, Mejia J, Flowers FM, et al. Efficacy and safety of a four-drug, quarter-dose treatment for hypertension: the QUARTET USA randomized trial. *Hypertension Research*. 2024;47(6):1668-77. (IF 4.3)
38. Jahan E, Almansour R, Ijaz K, Baptista S, Giordan LB, Ronto R, et al. Smartphone Applications to Prevent Type 2 Diabetes: A Systematic Review and Meta-Analysis. *American Journal of Preventive Medicine*. 2024;66(6):1060-70. (IF 4.3)
39. Janssen A, Donnelly C, Shaw T. A Taxonomy for Health Information Systems. *Journal of Medical Internet Research*. 2024;26. (IF 5.8)
40. Joseph J, Truong K, Lo SN, Foo F, Zaman S, Chow CK, et al. Impact of Biologic Therapy on Key Cardiovascular Risk Parameters in a Psoriatic Cohort—a Retrospective Review. *Dermatology and Therapy*. 2024;14(5):1337-48. (IF 3.5)
41. Kazi S, Chong JJH, Chow CK. Inflammation: the next target for secondary prevention in coronary artery disease. *Medical Journal of Australia*. 2024;220(3):115-20. (IF 6.7)
42. Keegan LC, Reilley K, Stover M, Togher L. Virtual INSIGHT: Improving natural social interaction: Group reHAbilitation after traumatic brain injury. *International Journal of Language and Communication Disorders*. 2024;59(2):532-42. (IF 1.5)
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