MACQUARIE University
SYDNEY·AUSTRALIA

Australian Institute of Health Innovation

ANNUAL REPORT

2024

Celebrating twenty years of success at AIHI, and ten years of sustained accomplishments at Macquarie University

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Message from the Founding Director

LEADING THE WAY FOR SUSTAINED HEALTHCARE IMPROVEMENT

In framing an entire year of activity at the Australian Institute of Health Innovation (AIHI), the overarching message is that in 2024, we have again risen to the challenge of investigating the leading drivers shaping the future of healthcare. We have continued our 20-year collaborative journey with consumers, clinicians, industry and policymakers to improve healthcare. These efforts have not only consolidated our position as a leader in high-quality translational research but have also been instrumental in nurturing the next generation of health systems researchers.

This year, we celebrate our journey so far and our steadfast dedication to providing the evidence needed to drive improvements in health systems. We take pride in our 2024 contributions, which have elevated the quality of health services research globally, ultimately enhancing health outcomes for millions of people worldwide.

In 2024, AIHI celebrated 10 years with Macquarie University. Originally established at the University of New South Wales, AIHI transferred to Macquarie on 3 November 2014. In the pages to follow, we discuss this 10-year success story at Macquarie, but in the meantime, here are some highlights (see table below).

HIGHLIGHTS OF 10 YEARS OF PERFORMANCE AT MACQUARIE UNIVERSITY (2014 – 2024)

Global reach:	Engaging with 152 countries to reform health systems.
Rewarding partnerships:	Nurturing long-term relationships with 200 national and international stakeholders and partners.
International influence:	Collaborating with esteemed organisations including the United Nations (UN), World Health Organisation (WHO), the Organisation for Economic Co-operation and Development (OECD), World Bank, and the International Society for Quality in Health Care (ISQua).
Prestige collaborations:	Producing 36.4% of AIHI publications with international collaborators.
Unrivalled publications:	Publishing over 3,161 books, chapters and articles.
Landmark projects:	Participating in more than 338 major funded projects.
Exceptional teams:	Uplifting health services research by attracting over 700 staff, students and associates over the 10-year period; and achieving gender parity at the senior level.

Despite the complexities and challenges of delivering this consistently high-level of accomplishment and performance, the multi-faceted success of AIHI can be distilled to five key points. We provide:

- A highly collaborative, multidisciplinary approach both internally and with external partners and stakeholders;
- A supportive and celebratory environment for generating new ideas and enabling innovation in a setting that encourages diversity and inclusion;
- An inspiring culture for recognising excellence in research and leadership;
- Excitement for discovery and translation; and
- An encouraging, joyous workplace.

There are many people to thank for supporting our activities in 2024 and also those who sustained us across our 10-year journey with Macquarie. Most importantly, we acknowledge with gratitude the Vice-Chancellor, Professor S Bruce Dowton; Deputy Vice-Chancellor (Research) Professor Sakkie Pretorius; Deputy Vice-Chancellor (Medicine and Health) Professor Patrick McNeil; and the two Executive Deans in the Macquarie Business School in 2024, Professor Eric Knight (outgoing) and current incumbent Professor Leonie Tickle. Finally, to our Board, staff, visiting appointees, and stakeholders and partners around the world: we deeply appreciate our many productive relationships and your involvement in our research.

Professor Jeffrey Braithwaite
FOUNDING DIRECTOR

Selected key accomplishments in 2024

Knowledge Gain: Publishing 514 articles, books, chapters and reports or, said more vividly, on average we publish more than one refereed contribution for every day of the year, including several papers on climate change and artificial intelligence (AI) in the *British Medical Journal* (*BMJ*), and an article on genomics in Australia in the *New England Journal of Medicine*.

Health Gain: Optimising digital solutions to enhance medication safety in hospitals and aged care.

Societal Gain: Leading research into health systems' responses to climate change; providing national guidance on the safe and ethical use of Al in healthcare; and creating opportunities for consumers to co-lead, co-design, and co-facilitate research initiatives.

Economic Gain: Delivering economic evaluations to enrich decision-making; for example, through our work evaluating new prescription drugs for the Australian Government's Pharmaceutical Benefits Scheme, the national program for subsidising medicines.

Who we are

REPRESENTING EXCELLENCE IN HEALTHCARE RESEARCH

AIHI is a globally recognised research institute, committed to revolutionising healthcare services, systems, and policies in Australia and beyond. Headquartered within Macquarie University's innovative MQ Health — Australia's first fully integrated academic health sciences centre — and with a footprint in both the Faculty of Medicine, Health and Human Sciences and Macquarie Business School, AIHI boasts the largest team of dedicated health services researchers in the nation.

In 2024, AIHI's commitment to impactful research was exemplified by managing grants and contracts valued at over $58 million. AIHI researchers contributed significantly to collaborative projects with an additional enterprise value of $108 million, underscoring their pivotal role in the global research community.

The Institute's success stems from the dedicated efforts of a multidisciplinary team comprising clinicians, scientists, social scientists, psychologists, pharmacists, engineers, epidemiologists, informatics experts, economists, statisticians, and data analysts. This cohesive team works in harmony to strengthen health systems, both domestically and internationally.

AIHI's 65 Graduate Research (PhD and Master of Research) candidates play a crucial role in advancing numerous projects, representing the next wave of healthcare innovators. In addition, AIHI is deeply involved in educating future health leaders through Macquarie University's Master of Public Health Program and the flagship Doctor of Medicine (MD) Research Program.

AIHI's influence extends through its key partnerships with the Australian Government, state and territory governments, and the private sector. The Institute leverages its global reach by collaborating with major international agencies such as the UN, WHO, and OECD. Through these alliances, AIHI engages in comprehensive health reform initiatives, working alongside governments, policymakers, and academics worldwide to inform decision making and drive meaningful change in healthcare.

AIHI comprises four independent, complementary, and highly collaborative research centres, each of which takes a systems perspective to address challenges in healthcare, utilising highly innovative and wide-ranging research methods:

- Macquarie University Centre for the Health Economy (MUCHE)
- Centre for Health Informatics (CHI)
- Centre for Health Systems and Safety Research (CHSSR)
- Centre for Healthcare Resilience and Implementation Science (CHRIS)

AIHI at a glance

HEAL. LEARN. DISCOVER.

ADVANCING RESEARCH OPPORTUNITIES

$58m

Enterprise value of projects under AIHI management

161

Number of research projects under AIHI management

$108m

Enterprise value of grants administered elsewhere involving AIHI

58

Number of projects administered elsewhere involving AIHI

$12m

Enterprise value of grants commenced or awarded in 2024

$41.5m

Category 1 funding for grants under management 2024

BUILDING GLOBAL KNOWLEDGE

514

Number of peer-reviewed publications and commissioned reports

200

Number of significant presentations including keynotes, talks, workshops, and seminars

FOSTERING RESEARCH LEADERS

314

Number of researchers, visiting appointees, and professional staff

65

Number of Graduate Degree research students (PhD and MRes)

RESEARCH AT AIHI: DRIVING INNOVATION AND EXCELLENCE IN HEALTHCARE

At the heart of AIHI's mission is a commitment to transformative research. By partnering with frontline stakeholders — patients, caregivers, policymakers, and health professionals — we aim to support the delivery of efficient and effective person-centred care that is both sustainable and impactful.

Collaborative Research

We work closely with patients and stakeholders to design and conduct research that benefits the health system.

Performance Measurement

We evaluate the performance and quality of the healthcare system.

Implementation Science

We assess the effectiveness and efficiency of various healthcare interventions.

Policy Impact

We measure the effects of government policies on patients and the health economy.

Complexity Science

We investigate how and why healthcare interventions work within complex systems.

Innovative Insights

We derive new insights from data to enhance the health system and society.

Methodological Advancements

We introduce new research methods, innovations, and theories.

Theoretical Frameworks

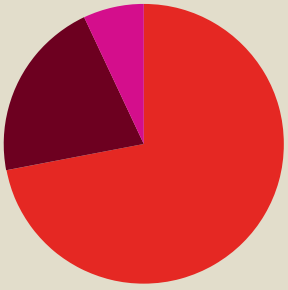
We develop new theories, frameworks, and tools to improve healthcare delivery.

DIVERSIFIED FUNDING SOURCES SUPPORT OUR HIGHLY APPLIED RESEARCH

Category 1
Value of grants awarded from the Australian Competitive Grants Register

Category 2 and 3
Other Public Sector and Industry Research and Development Income

OTHER
Other Research and Development Income



Our Directors

LEADING GROWTH AND INNOVATION

AIHI Directors, Professors Enrico Coiera, Jeffrey Braithwaite, Johanna Westbrook, and Henry Cutler

PROFESSOR JEFFREY BRAITHWAITE

Founding Director, AIHI

Director, Centre for Healthcare Resilience and Implementation Science, AIHI

Professor of Health Systems Research, Macquarie University

Immediate Past President, International Society for Quality in Health Care

Professor Jeffrey Braithwaite is a leading health services and systems researcher with an international reputation for his work investigating and contributing to systems improvement. He is visiting or adjunct Professor at Newcastle University and University of Birmingham (UK), University of Southern Denmark (Denmark), University of Stavanger (Norway), University of New South Wales, and Honorary Senior International Research Fellow at the Canon Institute for Global Studies (Japan). He is the Immediate Past President of ISQua, where he was President between 2020 to 2024. He has considerable expertise in researching the culture and structure of acute settings, leadership, management and change in health sector organisations, quality and safety in healthcare, accreditation and surveying processes in an international context, and the restructuring of health services, working with 152 countries.

Professor Braithwaite has published extensively about organisational, social, and team approaches to care (over 900 refereed contributions and 1,550 publications) with more than 39,980 citations. He has presented at or chaired international and national conferences, workshops, symposia and meetings on more than 1,531 occasions, including over 150 keynote addresses. The theories and ideas he has shaped or devised are now in common use; for example, multi-method, triangulated approaches to research, the boundary-less hospital, accreditation models in general practice and beyond, clinician-managers as key players in reform initiatives, fundamental principles for the governance of health systems, diversity in clinical professional groups, and inter-professional learning and culture change as a more sustainable strategy for reform. His empirical results have exposed the distinctive attitudes of clinical professional groups, how clinician-managers enact their leadership responsibilities, the behavioural displays of clinicians in service structures, and the status of system-wide patient safety improvement initiatives.

PROFESSOR JOHANNA WESTBROOK

Director, Centre for Health Systems and Safety Research, AIHI

Professor of Health Informatics and Patient Safety, Macquarie University

Co-Director, Safety, Quality, Informatics and Leadership Program, Harvard Medical School, Harvard University

NHMRC Elizabeth Blackburn Investigator Leadership Fellow

Professor Johanna Westbrook is internationally recognised for her extensive expertise in medication safety and her research evaluating the effects of information and communication technology (ICT) in healthcare. She investigates questions about if and how technologies support safer and more efficient healthcare, and how to identify and address the new problems that these systems create.

Professor Westbrook has contributed to theoretical models regarding the design of complex multi-method ICT evaluations and conducted large trials of their effects. To support the conduct of observational workflow studies, she developed the Work Observation Method by Activity Timing (WOMBAT) software (version

3.0 available in the Apple Store), now adopted by 79 research teams across 20 countries. These observational studies assist in understanding how to improve the integration of technologies into clinical workflows to improve the experience of health professionals and support their delivery of care.

Professor Westbrook's highly applied research has significantly advanced our understanding of how clinical information systems deliver (or fail to deliver) expected benefits and supported the translation of this evidence into policy, practice, and systemic information technology changes. Her research findings informed the recommendations of the Royal Commission into Aged Care Quality and Safety (2021). In 2024, her team presented a body of research reporting on the effects of a large-scale organisational culture change intervention aimed at reducing unprofessional behaviours among hospital staff.

Awarded over $83 million in research grants, Professor Westbrook has over 700 publications.

In 2024, Professor Westbrook was awarded a second NHMRC Investigator Grant, building on the work of her 2020 NHMRC Elizabeth Blackburn Investigator Grant Award (Leadership in Health Services Research). In 2023, she was elected to the Australian Academy of Health and Medical Sciences in recognition of her outstanding contribution to the field of health services research. In 2022, she was awarded the Health Services Research Award by Research Australia, a Telstra Health Brilliant Women in Digital Health Award, and the Health Services Research Association of Australia and New Zealand, Distinguished Investigator Award. Since 2020, Professor Westbrook has been a Co-Director of Harvard Medical School's Safety, Quality, Informatics and Leadership (SQIL) Program, which each year, trains over 100 senior quality and safety leaders from around the world.

PROFESSOR HENRY CUTLER

Inaugural Director, Centre for the Health Economy, AIHI

Visiting Researcher, Nuffield Department of Population Health, University of Oxford

Professor Henry Cutler is the inaugural director of the Macquarie University Centre for the Health Economy within AIHI, Australia's largest health services research group. He is also a Visiting Research Fellow at the Nuffield Department of Population Health, University of Oxford (UK). Professor Cutler has published in world-leading journals, conducted over 200 health economics research projects for government and non-government organisations, and attracted over $40 million in grant funding as a chief investigator. Professor Cutler has guest lectured at Harvard University and the University of Oxford and has served on several nationally important expert advisory panels for government. In 2024, these included the National Suicide Prevention Office (NSPO) Expert Advisory Group, the Department of Health and Aged Care Expert Advisory Panel for the Review of General Practice Incentive Programs, and the National Disability Insurance Agency Investment Effectiveness Program Academic Advisory Panel. Professor Cutler was twice an expert witness for the Royal Commission into Aged Care Quality and Safety and advised the Victorian Royal Commission into Mental Health on evaluating the economics of mental health.

Professor Cutler has received numerous awards including the inaugural Deeble Institute Fellowship by the Australian Health and Hospitals Association. Professor Cutler is regularly sought by national media for comment, and has published opinion articles in *The Australian, Australian Financial Review, The Age, The Mandarin* and *The Conversation*. Of note, an article written by Professor Cutler for *The Conversation* was selected for their book '*2023: A Year of Consequence. Essays that got the world thinking*'.

PROFESSOR ENRICO COIERA

Director, Centre for Health Informatics, AIHI

Founder and Director, Australian Alliance for Artificial Intelligence in Healthcare

Professor in Medical Informatics, Macquarie University

Professor Enrico Coiera has been working at the intersection of information technology and healthcare for over three decades. Trained in medicine and with a computer science PhD in AI, he began his postdoctoral career with 10 years at the prestigious Hewlett-Packard Research Laboratories in Bristol, UK, where he led numerous health technology projects. His internationally recognised textbook, *Guide to Health Informatics*, is in its third edition and has been translated into several languages. He is the founding Professor in Medical Informatics at Macquarie University and the founding Director of CHI, the longest running biomedical and health informatics academic research group in Australia.

Professor Coiera also founded the Australian Alliance for Artificial Intelligence in Healthcare (AAAiH) in 2018, and led the development of the National Policy Roadmap for AI in Healthcare which launched in 2023.

In 2022, Professor Coiera was invited to be editor-in-chief for a focus issue on climate change and health informatics by the prestigious *Journal of the American Medical Informatics Association (JAMIA)*, and in 2023 launched a new research stream at CHI: Climate Change and Digital Health. Professor Coiera is a Fellow of the Australian Academy of Health and Medical Sciences, as well as elected Foundation Fellow, and the first President of the Australian College of Health Informatics. He is a foundation member of the International Academy of Health Sciences Informatics, and a Fellow of the American College of Medical Informatics. In other achievements, Professor Coiera has held key appointments, served as chief investigator on multiple competitive grants (including two NHMRC Centres of Research Excellence), and currently has over 417 publications exceeding 25,180 citations, and an h-index of 83 (Google Scholar). Of Professor Coiera's publications, 31 have more than 200 citations, six have more than 600 citations and one has over 2,400 citations.

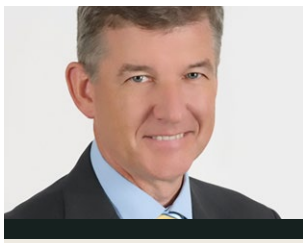
MACQUARIE UNIVERSITY

Australia's first fully integrated health precinct
created around our on-campus hospital

Ranked in the top 100 universities globally
and top 25 in 3 UN Sustainable Development Goals
(TIMES HIGHER EDUCATION IMPACT RANKINGS, 2023)

Our Board

REPRESENTING THE HEALTH SYSTEM



CHAIR
Professor Patrick McNeil
Deputy Vice-Chancellor, Faculty of Medicine, Health and Human Sciences, Macquarie University

Elizabeth de Somer
CEO,
Medicines Australia
Health system member

Professor Adam Jaffé
Paediatric Respiratory Consultant, Sydney Children's Hospitals Network
Health system member

Dr Elizabeth Koff AM
Director,
Telstra Health
Health system member

Professor Cliff Hughes AO
Independent member

Catherine Lourey
Independent member

Dr Karen Owen
Independent member

Emeritus Professor Les White AM
Independent member

Professor Eric Knight
Executive Dean, Macquarie Business School
Macquarie University member

Professor Leonie Tickle
Incoming Executive Dean, Macquarie Business School
Macquarie University member

Professor Sakkie Pretorius
Deputy Vice-Chancellor, Research
Macquarie University member

Professor Jeffrey Braithwaite
AIHI member

Professor Johanna Westbrook
AIHI member

Professor Henry Cutler
AIHI member

Professor Enrico Coiera
AIHI member

Chrissy Clay
Board Secretary

Our partners

COLLABORATING FOR SYSTEM-READY RESULTS

The Institute takes pride in establishing partnerships with government bodies, industries, agencies, health services, and research institutions. Additionally, we greatly appreciate our collaboration with health consumers who are integral to our co-design research approach.

For a comprehensive list of our national and international partners, please visit our website at aihi.mq.edu.au. A curated selection is outlined here.

Health systems

Academia

Clinicians

Industry

Health consumers

Peak bodies

International bodies

Governments

4D Medical
Aalborg University, Denmark
Abbott Diagnostics
AbbVie, USA
ACT Government Health Directorate
ACT Health
Aged Care Industry Information Technology Council
Ageing Australia (previously Aged and Community Care Providers Association)
Aged Care Quality and Safety Commission
Agency for Clinical Innovation NSW
American Medical Informatics Association, USA
Alfred Health
Amgen Australia
Anglicare
Annalise.ai
Asthma Australia
Australasian College for Emergency Medicine (ACEM)
Australasian Institute of Digital Health (AIDH)
Australian and New Zealand Hip Fracture Registry
Australian Commission on Safety and Quality in Health Care (ACSQHC)
Australian Council on Healthcare Standards (ACHS)
Australian Digital Health Agency (ADHA)
Australian Defence Force
Australian General Practice Accreditation Ltd (AGPAL)
Australian Genomics Health Alliance
Australian Government Department of Social Services
Australian Health Insurance Association
Australian Healthcare and Hospitals Association (AHHA)
Australian Hearing Hub (AHH)
Australian National University
Australian Research Council (ARC)
Australian Social Prescribing Institute of Research and Education
Avant
BaptistCare
BCAL Diagnostics
BESTMED (Best Health Solutions Pty Ltd)
Black Dog Institute
Blacktown Hospital
Bond University
Bowel Cancer Australia
Brain and Mind Centre, University of Sydney
Bupa Health Foundation Australia
Bureau of Health Information
Cancer Australia
Cancer Institute NSW (CINSW)
Canon Institute for Global Studies, Japan
CanTeen
Central and Eastern Sydney Primary Health Network (PHN)
Centre for Healthy Brain Ageing (CHeBA), University of New South Wales
Children's Cancer Institute, Australia
Children's Diabetes Centre
Clinical Excellence Commission NSW
Clinical Excellence Queensland
Cochlear Ltd
Consumers Health Forum of Australia
CSIRO Australian e-Health Research Centre

CSIRO Data61

Department of Health and Aged Care (Commonwealth) plus State and Territory departments of health

Digital Health Cooperative Research Centre (DHCRC)

e61 Institute

eHealth NSW

Evidentli

Fragile X Association of Australia

Federal University of Rio Grande do Sul, Brazil

Fujitsu Australia Limited

Fujitsu Limited

Garvan Institute

GenePath

Genetic Support Network Australia

Gold Coast Hospital Health Service

Harrison.ai

Harvard Medical School, USA

Harvard School of Public Health, USA

Health Consumers NSW

Health Infrastructure NSW

Healthdirect Australia Ltd

Imperial College London, UK

Independent Health and Aged Care Pricing Authority

Institute for Information Industry, Taiwan

International Medical Informatics Association

International Society of Quality in Health Care (ISQua)

Janssen Australia

James Cook University

Breakthrough T1D, USA

Karolinska Institutet, Sweden

The Kids Research Institute

Kolling Institute

KPMG Australia

Local Health Networks – various

Macquarie University Business School

Macquarie University Centre for Motor Neuron Disease Research

Macquarie University Cyber Security Hub

Macquarie University Hospital and MQ Health

Macquarie University Lifespan Health and Wellbeing Centre

Mahidol University, Thailand

Medibank Private Ltd

Medical Council of NSW

Melanoma Institute Australia

Melbourne Health

Mental Health Commission of NSW

Mito Foundation Australia

Monash University

Murdoch Children's Research Institute

Murrumbidgee Local Health District

National Disability Insurance Agency and National Disability Insurance Scheme

National Disability Insurance Scheme (NDIS) Quality and Safeguards Commission

National Health and Medical Research Council (NHMRC)

National Institutes of Health and National Library of Medicine, USA

National Stroke Foundation

National Suicide Prevention Office

Nepal Development Society (NeDS), Nepal

Neuroscience Research Australia (NeuRA)

Neu-Ulm University of Applied Sciences, Germany

North Coast Primary Health Network

Northern NSW Local Health District

Northern Sydney Local Health District

NSW Department of Communities and Justice

NSW Health Pathology

NSW Health

Nuvilab, South Korea

Oracle Australia

Organisation for Economic Co-operation and Development (OECD)

Outcome Health

Perth Children's Hospital

Primary Health Networks (PHN) – various

Queensland Department of Health

Rare Voices Australia

Research Australia

Roche Australia

Royal Australasian College of Medical Administrators

Royal Australian and New Zealand College of Radiologists

Royal Australian College of General Practitioners

Royal Prince Alfred Green Light Institute for Emergency Care

Scalabrini

Safer Care Victoria

SMA Australia

Southern Cross Care

South Western Sydney Primary Health Network

St George Hospital

Sydney Children's Hospitals Network (Westmead and Randwick)

Sydney Local Health District

Sydney North Health Network

Telstra Health

The Royal College of Pathologists of Australasia

The Telethon Institute

Therapeutic Goods Administration

University of New South Wales

University of Southern Denmark, Denmark

University of Stavanger Centre for Resilience in Healthcare, Norway

University of the Sunshine Coast

Western Queensland Primary Care Collaborative

Western Victoria Primary Health Network

Westmead Hospital

WHO

Key new grants and contracts

CONTINUING STRONG PERFORMANCE – COMMENCING OR AWARDED IN 2024

MEDICAL RESEARCH FUTURE FUND

$4.98M

The National Paediatric Applied Research Translation Initiative (N-PARTI)

Professor Jeffrey Braithwaite

Partners:

Child and Adolescent Health Service

Gold Coast Hospital and Health Service

University of New South Wales

NHMRC INVESTIGATOR GRANT

$2M

Optimising and leveraging technology to improve medication safety

Professor Johanna Westbrook

Partners:

Child and Adolescent Health Service

Gold Coast Hospital and Health Service

University of New South Wales

MEDICAL RESEARCH FUTURE FUND

$1M

Pioneering co-created patient-reported experience measures for people with intellectual disability to improve health outcomes

Professor Reema Harrison

Partners:

The University of New South Wales

University of Sydney

Monash University

Deakin University

Sydney Children's Hospitals Network

Victoria Department of Health

Agency for Clinical Innovation

Sydney Local Health District

Monash Health

St Vincent's Health Australia

Bureau of Health Information

NSW Ministry of Health

Northern Health

MEDICAL RESEARCH FUTURE FUND

$628K

A national platform for evaluation and integration of advanced analytics in the diagnosis of genetic disease

Professor Enrico Coiera
Professor Shlomo Berkovsky

Partners:

The Garvan Institute of Medical Research

Murdoch Children's Research Institute

Central Adelaide Local Health Network

Microsoft Corporation

The Broad Institute Inc

Part of a $8M grant awarded to Professor Daniel MacArthur, Garvan Institute of Medical Research

PARTNER FUNDED RESEARCH

$550K

Proactive primary care project: Independent evaluation

Professor Jeffrey Braithwaite

Partners:

Medibank Private: the Myhealth project

PARTNER FUNDED RESEARCH

$520K

Closing the vaccination gap: Achieving vaccination equity for vulnerable populations in regional primary care

Dr Georgia Fisher

Partners:
Western Victoria Primary Health Network Limited

PARTNER FUNDED RESEARCH

$290K

Predicting suicide risk within Australian local government areas

Professor Henry Cutler
Dr Anam Bilgrami

Dr Anam Bilgrami

IMPACT STORIES

Delivering the evidence for health system improvement

Celebrating 10 years of research and innovation

For the past decade, AIHI has thrived at Macquarie University, marking its 10-year milestone in 2024. The journey began over 20 years ago, with the formation of AIHI at the University of New South Wales, under the leadership of Professors Jeffrey Braithwaite, Enrico Coiera, and Johanna Westbrook. In 2014, AIHI moved to Macquarie University, in agreement with Vice-Chancellor Professor S Bruce Dowton. This strategic move catalysed a profound collaboration with Professor Henry Cutler and the Macquarie University Centre for the Health Economy (MUCHE). Their synergy was solidified in 2022 when MUCHE formally integrated with AIHI, while also remaining a flagship research group within Macquarie Business School.

AIHI's commitment to advancing healthcare is demonstrated in impactful ways. Through pioneering research that revolutionises healthcare policy and practice, to the development of new theoretical models, cutting-edge tools, and digital systems. These innovations significantly enhance care delivery and elevate the quality of health services, policy, and research internationally. One notable testament to AIHI's influence is the recent establishment of a national health services research institute in Denmark, inspired by AIHI's exemplary model.

Today, AIHI is celebrated not only as the premier health services research group in Australia but also as one of the most significant on the world stage. As AIHI looks to the future with optimism, it continues to foster collaborations and make strides in healthcare in Australia and around the world. This transformative journey is a testament to AIHI's ongoing dedication and the boundless potential of innovation in healthcare.

Achieving the milestone of publishing more than one publication every day of the year.

Our work featuring in leading journals such as the *New England Journal of Medicine, BMJ, MJA, Nature,* and *JAMA*; in discipline-speciality journals such as *Implementation Science, BMJ Quality and Safety, JAMIA, Millbank Quarterly, Health Economics,* and *PharmacoEconomics*; and practitioner and consumer-focussed outlets including *The Conversation*.

Benchmarked internationally, AIHI publications are cited at 380% above world standard (FWCI 3.80).

$58M

Research funding increasing yearly with more than $58M supporting current research projects.

Leading two NHMRC Program grants, a NHMRC Partnership Centre, three NHMRC Centres of Research Excellence, and multiple NHMRC Partnership Projects, Medical Research Future Fund (MRFF) and Australian Research Council grants.

More than 200 conference presentations or keynotes annually across more than 38 countries over the last 10 years.

Extensive media engagements with more than 200 unique contributions annually.

More than 200 long-term collaborations with healthcare, industry, consumer, and professional groups.

Achieving gender parity across senior research positions — a unique achievement in STEM.

Widely adopted research tools including The Work Observation Method by Activity Timing (WOMBAT) software used in 20 countries with more than 80 publications.

Successfully established spin-off commercial entities e.g. Evidentli.

Multiple research awards and fellowships e.g. Sax Medal, NHMRC Investigator Awards, NSW Premier's Award for Outstanding Cancer Research, NHMRC Elizabeth Blackburn Award, International Medical Informatics Association François Grémy Award for Excellence, and Deeble Institute Fellowships.

These AIHI staff and students are grouped by the year they joined AIHI.
Those in the 2014 group joined prior to 2014 and moved with AIHI to Macquarie.

IMPACT STORIES

Delivering the evidence for health system improvement

Consumers guide research at AIHI

Dr Ashfaq Chauhan was awarded the Outstanding Early Career Researcher Award for the CanEngage project at the 2024 NSW Premier's Awards for Outstanding Cancer Research.

In 2024, the AIHI Consumer Engagement Panel made significant strides in promoting consumer-centred research. Ten consumers, representing diverse cultural, demographic, and geographic backgrounds, came together throughout the year to provide insightful feedback on research proposals. The topics under review included mental health following serious injury, the use of artificial intelligence to detect cancers, and the enhancement of hospital safety culture.

At AIHI, we believe that placing consumers at the heart of our research is pivotal to achieving meaningful and impactful outcomes. Our commitment to consumer-centred research ensures that their voices and experiences are integral to every stage of our work. By actively involving consumers through a variety of initiatives, we foster a collaborative environment where diverse perspectives are valued.

Additionally, the AIHI Aged Care Consumer Panel, comprising aged care residents and carers, meets regularly to advise researchers on aged care safety and quality issues. The Listen to Me project includes people living with intellectual disability as co-lead investigators; an Indigenous coordinator is employed on MyED, a large emergency department project; and the award winning CanEngage project involved co-production and multicultural consumer co-facilitators.

Each of these initiatives embody AIHI's dedication to integrating consumer perspectives throughout the research lifecycle, paving the way for advancements that resonate with and benefit the broader community.

Each consumer brings first-hand experience with the health system, ensuring that our research remains relevant and impactful to those it aims to serve.

IMPACT STORIES

Delivering the evidence for health system improvement

Experts set climate change research agenda

The national 'Roundtable on the impact of climate change on human health — bridging research and action for a sustainable future' was hosted by AIHI on 19 March 2024. Esteemed delegates from health, government, agencies, academia, and consumer groups gathered to address this pressing issue.

The Roundtable galvanised thought leaders to design the next generation of research on the impact of climate change on human health and health system sustainability for Australia.

Working with local, national and international collaborators, AIHI has already made significant contributions to the body of evidence around climate change through research publications in leading journals including *Nature Climate Change*.

AIHI has also provided advice to health systems, agencies and governing bodies including the UN, WHO, ISQua and the OECD through the five-year NHMRC Partnership Centre for Health System Sustainability.

Led by Professor Jeffrey Braithwaite (centre), participants from across Australia contributed to the national policy agenda for understanding the impact of climate change on human health.

Scan the QR code to learn more about the future of healthcare

IMPACT STORIES

Delivering the evidence for health system improvement

Evaluations shaping Australia's healthcare future

Associate Professor Bonny Parkinson led the evaluation teams.

In a significant move to bolster public healthcare, the Australian Government is focussing on the effectiveness and cost-efficiency of new medicines and vaccines. In 2024, MUCHE carried out nine critical evaluations for the Australian Pharmaceutical Benefits Advisory Committee (PBAC). These evaluations help determine which new medicines are publicly funded in Australia.

MUCHE's team reviewed and analysed complex clinical and economic data, collaborating closely with the Department of Health and Aged Care (DoHAC) and PBAC members. This work directly impacts the availability of medicines in the public healthcare system, affecting millions of Australians.

For example, listing a new drug can cost the government up to $100 million over six years. However, MUCHE's evaluations have led to substantial price reductions, saving millions of dollars. These savings allow funding for other new medicines, enhancing patient access and health outcomes.

Improved access to new medicines boosts life expectancy and quality of life and prevents disease onset. MUCHE's work ensures the sustainability of Australia's healthcare system, benefiting countless patients.

IMPACT STORIES

Delivering the evidence for health system improvement

New study reveals potential link between delirium and dementia

A recent study published in the international journal, *BMJ*, identified a significant link between delirium and dementia among older adults. Analysing anonymised hospital records for over 110,000 people aged over 65 in New South Wales over 11 years, researchers found that patients who experienced delirium during hospital stays developed dementia at triple the rate of those who did not.

Led by researchers at the University of Queensland and AIHI, the study highlights the need for effective delirium prevention strategies. Delirium, characterised by sudden confusion and disorientation, affects more than 40% of people aged 80 and older during hospitalisation.

The findings suggest that preventing delirium could significantly reduce the risk of dementia. This study underscores the importance of targeted interventions to improve outcomes for elderly patients and reduce the global burden of dementia.

Professor Shlomo Berkovsky led the AIHI team to analyse the enormous dataset, revealing a potential link between delirium and dementia.

Scan the QR code to read the article in *BMJ*

IMPACT STORIES

Delivering the evidence for health system improvement

Transforming aged care with real time analytics

Dr Nasir Wabe, Dr Amy Nguyen and Professor Johanna Westbrook presented findings from the dashboard research to an international audience at the ISQua conference.

In 2024, AIHI's NHMRC Partnership Project reached a pivotal milestone in its mission to enhance the health and welfare of aged care residents. Following a successful pilot trial, the project launched a cluster-randomised controlled trial across 20 Anglicare aged care facilities.

The project harnesses the power of an innovative electronic dashboard to deliver real-time data, driving improvements in care and targeting the reduction in fall rates. The pilot trial's success is evident, with one of the dashboard-implemented sites reporting the lowest fall rate ever recorded at that facility.

This initiative highlights the transformative potential of predictive analytics and decision support systems in aged care. By providing safer, more person-centred outcomes, the project exemplifies how cutting-edge technology can revolutionise the way care is delivered to aged care residents.

The pilot trial's success is evident, with one of the dashboard-implemented sites reporting the lowest fall rate ever recorded at that facility.

Scan the QR code to find out more about the Dashboard

IMPACT STORIES

Delivering the evidence for health system improvement

Transforming paediatric care by tackling key health issues

Professor Jeffrey Braithwaite leads the research project to improve the health outcomes of Australian children.

A national project is set to transform paediatric care by addressing critical areas: asthma, type 1 diabetes, and antibiotic overuse. Awarded $4.9 million from the MRFF, the project aims to improve evidence-based care for children.

Research highlights significant gaps in current practices. For asthma and diabetes, only 54% of care provided by GPs aligns with guidelines. Additionally, antibiotics are inappropriately prescribed in 85% of visits for low-risk conditions. The project seeks to close these gaps through collaboration with stakeholders, including patients, families, clinicians, and researchers.

Professor Braithwaite emphasises the urgency of the research, noting that despite existing guidelines, children with type 1 diabetes often fail to reach recommended glycaemic targets, leading to severe health consequences.

Research shows for example that despite availability of guidelines and effective treatment, only 15% of children and adolescents with type 1 diabetes reach recommended glycaemic targets and as a result have life expectancy reduced by 12-16 years, and a 30-fold increased risk of heart attack in early adulthood.

By prioritising best-practice guidelines, the project aims to enhance care quality and outcomes for Australian children.

Scan the QR code to find out how we are improving care for kids

Graduate Research candidates at AIHI represent the future leaders in healthcare, embodying innovative ideas and a dedicated approach. Here, recent candidates share their perspectives.

Researchers of the future

INTRODUCING THE LEADERS OF TOMORROW

QUNFEI CHEN

I successfully completed my PhD at AIHI in 2024. My doctoral thesis focussed on how uncertainties in economic models and surrogate outcomes used in health technology assessments influenced the decision making process of the Pharmaceutical Benefits Advisory Committee (PBAC) in recommending medicines for funding. The findings of my research aim to enhance the committee's decision-making efficiency and improve patients' access to new medicines.

I am currently working as a Research Fellow (Health Technology Assessment Analyst) at the University of Newcastle, where I continue to contribute on the PBAC evaluations for medicines.

BRENTON SANDERSON

I am an anaesthetist and recently completed my PhD at AIHI investigating the role of decision support for massive blood transfusions for critically ill patients with major haemorrhage. Using user-centred design with a multidisciplinary team of researchers, we developed a pilot clinical decision support system and examined its efficacy in simulated critical bleeding scenarios.

I have now joined AIHI as an Honorary Postdoctoral Associate where I continue to provide a clinical perspective on health informatics projects.

ISABELLE MEULENBROEKS

2024 was a year of milestones in my research career. I completed my PhD on allied health services in residential aged care and began my postdoctoral role at AIHI. As a Jeff Cheverton Memorial Scholar with the Deeble Institute for Health Policy Research, I had the privilege of honing my policy skills during a residency in Canberra.

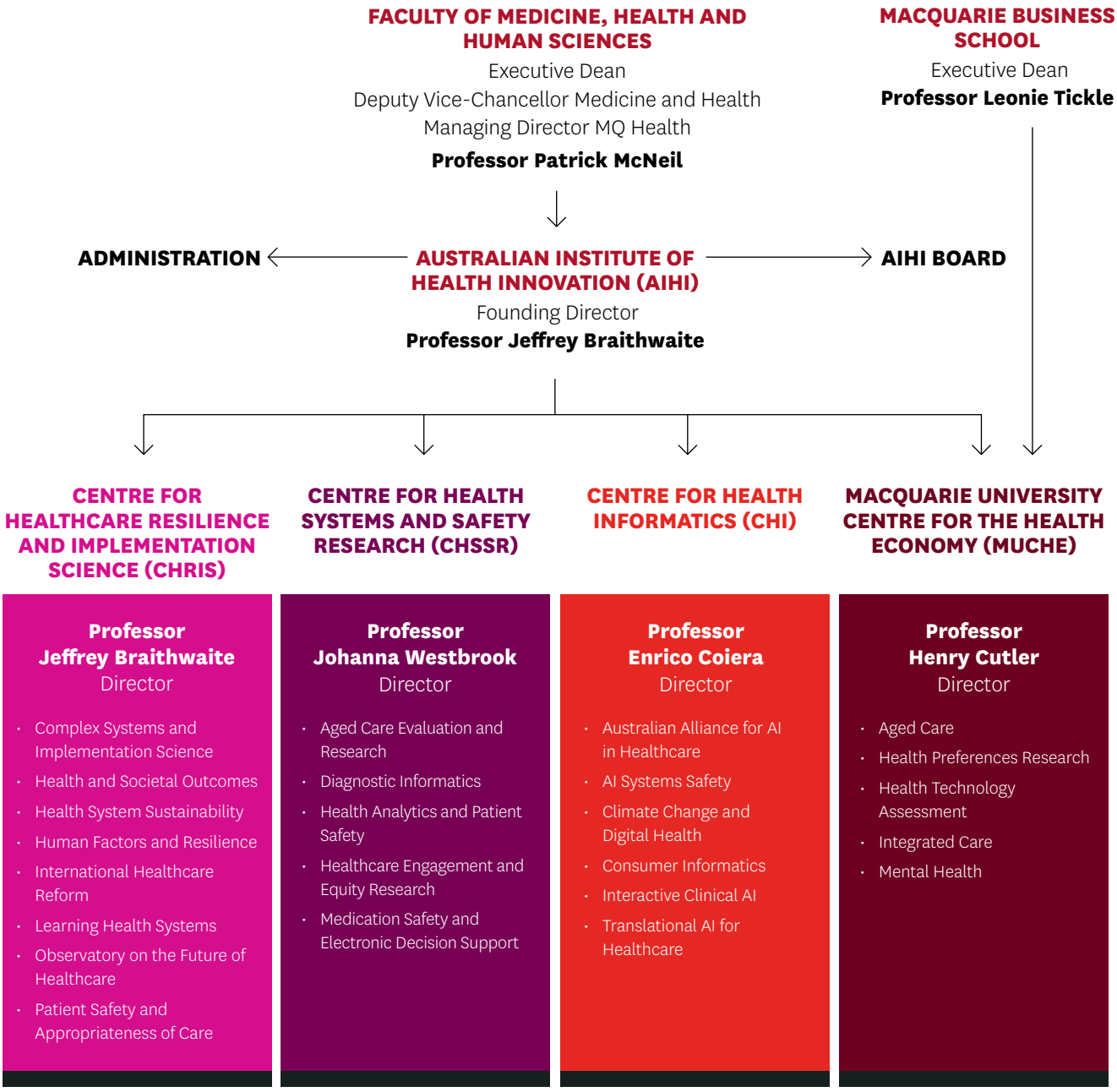
Now, at AIHI, I focus on advancing aged care quality through projects like the Anglicare dashboard, which predicts falls and visualises quality of life data at the resident level, and a collaboration with BESTMED to develop a trigger tool to prioritise pharmacist reviews using routinely collected data. My research aims to drive innovation, enhance care quality, and advance multidisciplinary practices in aged care.

SAGDA OSMAN

I am completing my PhD investigating the unintended consequences of telehealth in rural Australia using systems-thinking approaches to uncover the underlying systemic structures and patterns that generate these consequences. My diverse background in engineering, IT, and health systems helps me bring a multidisciplinary perspective to complex healthcare challenges. As a Research Assistant at AIHI, I contribute to projects improving healthcare engagement and equity for underserved communities. Following my PhD completion, I plan to pursue a career in health systems research.

“The guidance and mentorship from my supervisors and colleagues at AIHI have been invaluable in building my research skills.” — SAGDA OSMAN

Organisational structure



Introducing our Centres

DRIVING EXCELLENCE IN HEALTHCARE SERVICES AND SYSTEMS

AIHI is at the forefront of healthcare innovation and is dedicated to advancing healthcare services and systems for individuals and communities. Central to this mission are four dynamic and complementary Research Centres:

- Macquarie University Centre for the Health Economy
- Centre for Health Informatics
- Centre for Health Systems and Safety Research
- Centre for Healthcare Resilience and Implementation Science

These Centres function as specialised hubs for pioneering research initiatives, with each one making significant contributions to the field. They not only excel individually but also thrive through extensive collaboration with one another, MQ Health, the wider Macquarie University community, and partners globally.

The strength of AIHI's collaborative model is further highlighted by additional research and leadership initiatives including the first Fujitsu Small Research Lab located in the Southern Hemisphere, the National Paediatric Applied Research Centre funded by the NMHRC Rapid Applied Research Translation Initiative, one of only eight centres for PBAC evaluations, and Australia's first Medication Roundtable for Aged Care.

In the following pages, we showcase highlights from each of our Research Centres, illustrating their vital role in enhancing healthcare services and systems.

Macquarie University Centre for the Health Economy

"Formulating and analysing public healthcare policy is complex. Political and social values, systemic factors, interest groups and pathway dependence can create conflict. The recent advent of large Australian government linked administration data offers an unprecedented opportunity to empirically answer previously unanswerable policy questions. Health economics is at the forefront of this policy analysis revolution."

— PROFESSOR HENRY CUTLER

The Macquarie University Centre for the Health Economy (MUCHE) is a university strategic initiative created in 2014 to undertake innovative research on health and aged care. In 2024, MUCHE and partners were awarded more than $27 million in research grant funding for new projects.

MUCHE is contributing deeply to the ongoing and ever changing healthcare and policy debate. In 2024 it worked with several federal and state government departments and agencies on important policy questions related to mental health, suicide prevention, health technology, and healthcare funding and financing. These required a deep understanding of the healthcare system, policy formulation, and sophisticated data analytic techniques.

MUCHE has developed a strong reputation for answering complex health economics research questions using a collaborative and multidisciplinary approach. MUCHE is affiliated with several other academic research centres, within and beyond Macquarie University, and collaborates on international health economics projects with world leading research groups in the UK, Europe, and China. In 2024, staff continued evaluating applications for new listings on the Pharmaceutical Benefits Scheme and devices on the Medicare Benefits Schedule, on behalf of the Commonwealth Department of Health and Aged Care. Evaluations undertaken by MUCHE are relied upon to make new medicine listing decisions.

Our staff are members of various academic and governmental committees, including the National Suicide Prevention Office Expert Advisory Group, Research Australia Health Economics Roundtable, Sydney North HealthCARE Innovation Precinct Collaboration Committee, Shanghai Municipal Health Technology Assessment Centre Expert Committee, National Disability Insurance Agency (NDIA) Investment Effectiveness Program Academic Advisory Panel, and Australian Health Economics Society.

Further information on our research follows in the research stream highlights and is featured throughout this Annual Report.

Scan the QR code to visit our webpage

Professor Henry Cutler

MUCHE partnered with the Black Dog Institute and Deakin University to successfully attract an NHMRC Synergy Grant worth $5 million to explore the use of AI in the delivery of mental health treatments.

MUCHE hosted the 14th Meeting of the International Academy of Health Preference Research, one of the most prestigious conferences in the field.

MUCHE assessed the efficacy and cost of newborn bloodspot screening for X-linked adrenoleukodystrophy for the Commonwealth Department of Health and Aged Care.

MUCHE Streams of Research

AGED CARE

Professor Henry Cutler
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The Aged Care research stream explores ways to improve aged care policy and regulation in relation to quality of care, demand, supply, and pricing. This includes the use of sophisticated econometric techniques to measure the impact of policy change on the market, and the use of stated preference techniques to explore how older Australians and their carers make choices, including measuring which service attributes are valued most.

In 2024, the team completed an important research project that explored the relationship between regional spending on aged care and informal care supply. Led by Dr Anam Bilgrami and funded by a Macquarie University Fellowship, the research found a strong trade-off between the likelihood of being a primary informal caregiver — especially to someone living outside the household — and regional spending on in-home aged care services. However, there was no connection between informal caregiving and regional nursing home spending. This relationship varied depending on the characteristics of the informal caregiver and their location. The findings suggest that the recent shift in government policy toward funding more home care packages may have reduced the availability of informal care, particularly among older caregivers and those not in the workforce.

This research was accepted and presented at prestigious international health economics conferences, such as the Empirical Health Economics Workshop and the American European Health Economics Study Group.

HEALTH PREFERENCE

Associate Professor Yuanyuan Gu
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The Health Preference research stream studies how patients, providers, and policymakers make decisions and what shapes their choices. Using tools like Discrete Choice Experiments (DCEs), this research stream examines why people choose specific treatments, how they use healthcare services, and what healthcare providers and policymakers prioritise. The goal is to improve health outcomes by developing strategies that make healthcare more effective, accessible, equitable, and valuable.

In 2024, the Health Preference Research team collaborated extensively with the Black Dog Institute, Cochlear Australia, University of Queensland, and Fudan University, China. Research topics included measuring user preferences for service models that link men into the healthcare system before a suicide attempt, creating an add-on to EQ-5D-5L to better capture health-related quality of life for people with hearing impairment, and measuring the relative societal value of attributes within a value based healthcare system that can be used to inform resource allocation decisions by healthcare executives. Eight journal articles were published, including one in the esteemed journal *Social Science & Medicine*. The team also received Macquarie University's Faculty of Arts Research Engagement Award for leading a discrete choice experiment on 'Early Childhood Education Pay and Conditions'. Associate Professor Yuanyuan Gu was invited to lead the international Professional Society for Health Economics and Outcomes Research Good Practices Task Force on preference heterogeneity.

HEALTH TECHNOLOGY ASSESSMENT

Associate Professor Bonny Parkinson
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The Health Technology Assessment (HTA) research stream systematically evaluates evidence on the health and economic impact of health interventions. It aims to maximise population health given healthcare system resource constraints. We synthesise evidence and apply sophisticated economic models to generate evidence that can be used by policymakers to decide whether a health intervention is value for money. This research stream undertakes collaborative,

L-R Professor Henry Cutler, Associate Professor Jonas Fooken, Associate Professor Yuanyuan Gu, Associate Professor Bonny Parkinson

multidisciplinary projects with the Australian Government, healthcare organisations and leading researchers in a broad range of fields. It is responsible for the Macquarie University Evaluation Team, one of only eight university groups in Australia entrusted by the Commonwealth DoHAC to evaluate medicines for the PBAC.

In 2024, the team conducted nine evaluations for the PBAC, which recommends which medicines are publicly funded in Australia. The team also published five systematic reviews in *Nature Reviews Nephrology, Cancers, Breast, Advances in Therapy,* and *Global Health Research and Policy*, and analyses of PBAC recommendations in *PharmacoEconomics*, the impact of childhood cochlear implantation on carers' employment in *Ear and Hearing*, and indication-specific value-based pricing of multi-indication drugs in *Value in Health*. Associate Professor Bonny Parkinson was invited to present at the University of Oxford on hearing health economics research, and presented at the Australian Precision Oncology Symposium 2024 on health technology assessment in the era of precision oncology.

INTEGRATED CARE

Professor Henry Cutler
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The Integrated Care research stream explores ways to facilitate care being delivered through multidisciplinary teams within the healthcare system and across other sectors that impact health outcomes, such as education, housing and justice. We evaluate integrated care models for their effectiveness and value. We also investigate new ways of funding healthcare to contribute towards funding reform decisions, as government looks for better ways to remunerate clinicians and healthcare teams, and to extract more value from healthcare spending.

In 2024, MUCHE completed a multi-year national study on 'Getting more value from mental healthcare funding and investment' in Australia. Funded by the National Mental Health Commission, the team undertook a consultation of state, territory and federal government departments, agencies and mental health commissions, providers, academics, consumers and peak bodies. Thematic and schema analysis were employed to draw out five government recommendations to introduce value based payments into mental healthcare, and eight recommendations to design a more systematic, transparent, and evidence-based approach to government investment decisions in mental healthcare. Another highlight for 2024 included Professor Cutler sitting on the DoHAC Expert Advisory Panel for the Review of General Practice Incentive Programs and the Review of Primary Care After Hours Programs. This Expert Advisory Panel delivered a final report to the Federal Government that focussed on current and future payments to general practice. It provided four recommendations to steer primary care funding away from MBS fee-for-service and towards more blended funding models that facilitate multidisciplinary teams and reward good care quality and improved health outcomes.

MENTAL HEALTH

Associate Professor Jonas Fooken
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The Mental Health research stream investigates how mental healthcare can be provided equitably and efficiently through new models of care, treatments, and funding systems. We study conceptual problems of particular importance in mental health, such as dealing with diagnostic and treatment uncertainty, social spillovers, and the effect of mental health on productivity. Research in the stream uses a range of quantitative methods to analyse clinical, administrative, experimental, and observational data to understand the determinants of mental health. Its goal is to help define policies that improve mental health and economic outcomes.

In 2024, the team received a grant from the National Suicide Prevention Office to research place-based economic and social factors that predict suicide at a regional level across Australia. This research uses detailed individual-level administrative data covering almost the entire Australian population, providing information on economic participation, use of health and non-health services, social background, and health. In addition, the team started a five-year multi-university project funded by the NHMRC to explore mental health service preferences, outcomes, value based payments and the impact of mental health on productivity using large linked government administration data. Dr Anam Bilgrami successfully won a three-year Macquarie University Research Fellowship to study preferences for mental health initiatives in schools. Associate Professor Fooken was an invited speaker at the University of Oxford, the University of New South Wales, and the Australian Health Economics Society Special Interest Group on Equity. Associate Professor Fooken also provided advice to NSW Health, the NSW Behavioural Insights Unit, and the Sydney North Healthcare Innovation Precinct.

MUCHE at the European Health Economics Association Conference.

We would like to express our sincere thanks to Associate Professor Bonny Parkinson for her outstanding service as Interim Deputy Director of MUCHE from January 2024 to January 2025.

During this period, Professor Cutler, Director of MUCHE, was on appointment as a Visiting Professor at the Nuffield Department of Population Health at the University of Oxford, UK.

Centre for Health Informatics

"Every year appears more challenging than the last for the healthcare system. Our job is to find ways for healthcare to rise to these challenges and deliver the best possible care, whatever the circumstances."

— PROFESSOR ENRICO COIERA

Generative AI developments continue to send shock waves around the world. Although this technology is still flawed it is finding widespread use, including in healthcare. Researchers at the Centre for Health Informatics (CHI) continue to play a pivotal role in the national conversation on how best to take advantage of AI in building a better health system, and in navigating the challenges this brings.

There has been significant engagement with the National Policy Roadmap for AI in Healthcare. CHI researchers led the preparation of this key deliverable of the Australian Alliance for AI in Healthcare, and as a result have been heavily sought for their perspectives on the national adoption of AI.

The Senate Select Committee on Adopting AI invited Professor Coiera and Professor Farah Magrabi to present evidence on the best approaches to ensuring AI safety. The Federal Government invited CHI to facilitate the public consultation on AI, and CHI researchers have undertaken several consultations by invitation for the ACSQHC, and the DoHAC.

2024 saw the launch of the Fujitsu-Macquarie AI Research Lab, the only southern hemisphere university lab supported by Fujitsu International. CHI and Fujitsu researchers will explore the use of computer vision and large language models for the generation of personalised coaching content, to support health professionals across a range of applications.

Scan the QR code to visit our webpage

Further information on our research follows in the research stream highlights and is featured throughout this Annual Report.

Professor Enrico Coiera

CHI Streams of Research

AUSTRALIAN ALLIANCE FOR AI IN HEALTHCARE

Professor Enrico Coiera
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The Australian Alliance for AI in Healthcare is a multinational, broadly based group of experts guiding the safe and ethical use of AI in healthcare for Australia.

Since the launch of the Alliance-led National Policy Roadmap for AI in Healthcare at the end of 2023, the Alliance has been at the forefront of discussions. During 2024, this increased with several Federal Government initiatives inviting Alliance input.

Professor Coiera and the leadership of the Alliance were invited to participate in the Office of National Health and Medical Research Council workshop to consider opportunities and risks of the use of AI in NHMRC-funded research and translation.

The Alliance also organised a series of three very popular webinars for the DoHAC, facilitating public consultation on the Federal Government's initiatives regarding the safe and responsible use of AI in healthcare. Additionally, the Alliance submitted a response to the initiative directly to DoHAC.

At the invitation of the Senate Select Committee on Adopting AI, Professors Coiera and Magrabi contributed to the national debate and appeared before the public hearing in Canberra.

AI SYSTEMS SAFETY

Professor Farah Magrabi
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Ensuring AI-enabled healthcare is safe is a complex challenge, but getting it right is critical. Poorly designed, implemented, or misused AI can cause patient harm — even death.

Traditional safety evaluation methods are inadequate for AI, especially generative models like ChatGPT, which continuously adapt and learn. Without proper oversight, these systems pose unforeseen risks that current monitoring approaches cannot detect.

Led by Professor Magrabi, the AI Systems Safety research stream is pioneering new ways to assess and mitigate AI-related risks in healthcare.

Through cutting-edge research with health services, policymakers, industry, and consumers, we are transforming how AI safety is monitored, preventing harm, and building trust in AI-enabled health services — ensuring technology enhances, rather than endangers, patient care.

Highlights for 2024 include:

- Commissioned by the DoHAC to investigate barriers to AI adoption in Australian health services.
- Conducted a literature review and environmental scan to inform AI guidance being developed by the ACSQHC.
- Partnered with Alfred Health and the Digital Health CRC to identify and test a governance framework for AI in health services.

CLIMATE CHANGE AND DIGITAL HEALTH

Professor Enrico Coiera
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The Climate Change and Digital Health research stream focusses on digital solutions to support health consumers and health systems in responding and adapting to climate change triggered health challenges. It involves exploring lived experiences to understand specific needs and synthesising existing literature to identify gaps and guide the design and evaluation of effective digital interventions.

Highlights for 2024 include:

- Two articles published in *BMC Health Services Research* examined health system responses during COVID-19 to inform future climate crises responses.
- The team submitted an invited manuscript to the prestigious International Medical Informatics Association *Yearbook of Medical Informatics*.
- Ms Kalissa Brooke-Cowden was awarded an Australian Government Research Training Program Scholarship to support her PhD co-supervised by Professor Coiera and Dr Hania Rahimi-Ardabili.

L-R Professor Enrico Coiera, Professor Shlomo Berkovsky, Associate Professor Annie Lau, Dr Sidong Liu, Professor Farah Magrabi

- Dr Rahimi-Ardabili won the AIHI MD Supervision Excellence Award and achieved first place in the poster presentation at the Macquarie University Early Career Researcher (ECR) Symposium. She also received a Macquarie University ECR Enabling Scheme grant.
- The team collaborated on *BMJ* and *Nature Climate Change* publications and various conferences – exploring health system climate adaptation and mitigation strategies.
- A book chapter on digital health and climate change was published in the *Routledge Handbook of Climate Change and Health System Sustainability* edited by Professor Braithwaite, Professor Yvonne Zurynski, and Dr K-lynn Smith.

CONSUMER INFORMATICS

Associate Professor Annie Lau
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The Consumer Informatics research stream investigates the science, design, and impact of digital technologies for patients and consumers, seeking the consumer perspective when navigating an increasingly digitised healthcare system. We also co-design solutions to improve patient experience and health outcomes.

With strong industry connections leveraged to apply rigorous scientific methods to real-world problems, the team endeavours to innovatively utilise digital health to consider the best outcomes for patients and consumers.

Highlights for 2024 include:

- Associate Professor Lau and Professor Reema Harrison completed a consultancy for NSW Health and were invited to present findings and recommendations to Deputy Secretaries and Executives across NSW Health agencies involved in state-wide virtual care programs.
- Team members performed exceptionally in Macquarie University ECR events.
- Saranjit Singh secured a Research Training Program and Macquarie University Research scholarship to commence a PhD with Associate Professor Lau and Dr Rezwanul Rana.

INTERACTIVE CLINICAL AI

Professor Shlomo Berkovsky
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The Interactive Clinical AI research stream focusses on the use of AI methods for developing accurate and usable decision-support tools for clinicians. The research of the stream covers three broad directions:

- Clinical AI addresses emerging approaches for personalised disease treatment and prevention, considering individual variability in genes, environment, or lifestyle.
- Human-technology interaction focusses on improving human (clinicians and patients alike) interactions with medical technologies and AI solutions.
- Clinical documentation processing aims to ascertain the applicability of Large Language Models for processing textual clinical documents, to ease the clinicians' burden and improve patient care.

Highlights for 2024 include:

- The team leads the work of the Fujitsu-Macquarie AI Research Lab, the first joint academia-industry lab of Fujitsu International in Australia.
- Professor Berkovsky is a chief investigator on an MRFF Genomics Futures grant: A National Platform for Evaluation and Integration of Advanced Analytics in the Diagnosis of Genetic Disease
- Publication: Gordon, E.H., Ward, D.D., Xiong, H., Berkovsky, S. and Hubbard, R.E., 2024. Delirium and incident dementia in hospital patients in New South Wales, Australia: retrospective cohort study. *BMJ*, 384.

TRANSLATIONAL AI FOR HEALTHCARE

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The Translational AI for Healthcare research stream focusses on integrating AI into everyday healthcare practices to improve patient care. We aim to address the challenges in clinical decision making through AI, and tackle the practical difficulties of implementing AI, such as improving AI's performance across different settings.

By working closely with clinicians and healthcare experts, we co-design AI solutions that are not only innovative but also practical and aligned with the needs of the healthcare system.

Our research stream is committed to making AI a seamless part of healthcare, enhancing care quality, efficiency, and accessibility for patients.

During 2024, the team made significant strides in addressing the critical need for improved cancer therapies.

With our clinical collaborators, we developed the first whole-slide multiplex immunofluorescence image analysis framework to predict immunotherapy responses in melanoma patients. We also pioneered the use of foundation models and novel prompt engineering techniques to predict disease-specific survival and treatment responses in rare, incurable tumours.

Supported by the MQ BioInnovation Scheme, we are advancing patient-derived 3D oncology models and AI-driven image analysis to facilitate real-time, personalised treatment decisions.

Professor Shlomo Berkovksy (second from right) and Honorary Associate Professor Shun Takeuchi (fourth from left) from AIHI with members of the Fujitsu-Macquarie AI Research Lab team, April 2024.

Centre for Health Systems and Safety Research

The Centre for Health Systems and Safety Research (CHSSR) undertakes research that delves into the human, organisational and technological systems required to produce safe and effective care in settings spanning hospitals to aged care and community care services. Our research designs and applies novel methods and tools to identify how these systems can be optimised to support health professionals and consumers.

Under the leadership of Professor Johanna Westbrook, CHSSR is addressing pivotal research questions concerning patient safety as it relates to: the design, use, and outcomes of health information technologies; the development of tools and processes for engaging the full range of health consumers in their care; and the experience of health professionals and the systems and technologies required to support their work and wellbeing.

Our research, facilitated by the application of sophisticated multi-method evaluation models, furnishes high-quality evidence to guide decision making and drive transformative changes in healthcare policy and practice.

"Ever-increasing investment in technology and infrastructure is reaping benefits, providing safer and more effective care for patients. However, we must continue to be vigilant in the identification of gaps and errors that cause harm in hospitals and residential aged care facilities. The work of our passionate researchers is crucial to optimising the design of these technological systems to integrate effectively into clinical workflows that both enhance the experience of clinicians and safeguard our most vulnerable patients."

— PROFESSOR JOHANNA WESTBROOK

Scan the QR code to visit our webpage

Further information on our research follows in the research stream highlights and is featured throughout this Annual Report.

Professor Johanna Westbrook

OUR WORK CONTINUES TO INFORM POLICY AND PRACTICE, INCLUDING:

- An NHMRC Investigator Grant to optimise and leverage technology to improve medication safety in hospitals and aged care.
- An MRFF Project to conduct an equity-focussed prospective evaluation of patient registration in Australia.
- An MRFF Project to pioneer co-created patient-reported experience measures for people with intellectual disability to improve health outcomes.
- An ARC Discovery Project to investigate consumer experiences and preferences for aged care through citizen science.
- An NHMRC Partnership Project to co-design, implement, and evaluate a National Aged Care Medication Roundtable underpinned by a learning health systems model.
- An NHMRC Partnership Project to establish a digital health foundation for outcomes-based diagnostic excellence, safety, and value.
- A Cancer Institute NSW Career Development Fellowship project to co-design quality end-of-life care for culturally and linguistically diverse people with cancer.
- An MRFF Project that leverages informatics to optimise pharmacist-led medication reviews in residential aged care settings.
- An NHMRC Partnership Project to explore virtual care integration in Australian health systems with a focus on achieving equitable health outcomes for diverse communities.
- An NHMRC Partnership Project to design and evaluate a predictive analytics dashboard to improve care monitoring and outcomes in residential aged care.

CHSSR Streams of Research

AGED CARE EVALUATION AND RESEARCH

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The goal of the Aged Care Evaluation and Research (ACER) team is to generate research evidence, and to develop and trial interventions that are translated to improve health and service delivery outcomes for people receiving residential or community aged care. There are four themes within ACER:

- Consumer-driven health services and informatics
- Geriatric pharmacoepidemiology and pharmacy informatics
- Predictive and prescriptive analytics
- Chronic disease care and healthy ageing

During 2024, we successfully piloted and launched a trial of MQ-Dash, a predictive analytics dashboard, across 20 facilities. This trial is generating evidence about implementation of digital interventions and their effects at scale in the aged care sector.

Twenty-six journal articles were published and 26 presentations delivered, including well-received MQ-Dash workshops at the Australian Association of Gerontology conference in Hobart, and at ISQua in Türkiye.

In other highlights, Dr Meulenbroeks' allied health policy brief was published by the Deeble Institute of Health Policy Research, as part of her Fellowship. Dr Amy Nguyen secured innovation funding from Northern Sydney Local Health District and is an associate investigator on an AIHI led grant from the NHMRC European Union Collaborative Research Grants scheme.

DIAGNOSTIC INFORMATICS

Professor Andrew Georgiou
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Diagnostic informatics encompasses research across the diagnostic analytical process. This ranges from the clinical choice of a diagnostic request, the quality and efficiency of the analytical process, to the interpretation and follow-up of test results and their impact on patient care outcomes. The Diagnostic Informatics team is committed to generating quality evidence to enhance clinical excellence, patient safety and the value of care.

This involves an outcomes-based approach to diagnostic research; optimised clinical workflows, engagement, governance and accountability; shared decision-making and patient-centred care; and IT-enhanced decision support, data analytics and knowledge management systems.

We were invited to publish research on long COVID, funded by a DHCRC grant, in an *MJA* special issue. Our research was also featured in an *MJA Insight+* article and by SBS news.

We undertook a review for the ACSQHC to inform revision of national best practice requirements for performing point of care testing. Findings were also disseminated at the Health Services Research Association of Australia and New Zealand Conference.

We also commenced work on a large NHMRC Partnership Grant linking emergency, inpatient, laboratory and medications data from two local health districts.

HEALTH ANALYTICS AND PATIENT SAFETY

Professor Ling Li
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Information and communication technologies play a significant role in improving the efficiency, effectiveness, and safety of the health system. These technologies continue to make inroads into healthcare at all levels, generating huge volumes of dynamic data from electronic health record systems. Health data analytics provides insights into these rich data.

The Health Analytics and Patient Safety research stream focusses on:

- Developing and applying rigorous research methods to evaluate the impact of eHealth interventions on patient safety and outcomes.
- Utilising rich dynamic electronic health record data to improve patient care delivery.

L-R Professor Johanna Westbrook, Professor Andrew Georgiou, Professor Reema Harrison, Professor Ling Li, Associate Professor Magda Raban, Dr Nasir Wabe

- Providing real-time information to support decisions and deliver actionable insights.

We published in high-impact journals throughout the year, highlighting the team's analytical contributions to medication safety research: 1) drug-drug interactions and actual harm, *Drug Safety*, 2) paediatric medication incident reporting, *BMJ Quality and Safety*, 3) age and medication error, *Journal of Paediatrics*. The first two papers were featured by the US Agency for Healthcare Research and Quality in their Patient Safety Network newsletter. The third was reported in US healthcare media.

The team continues to contribute to sepsis research, education, and awareness. Our media piece in Research Australia's *Inspire* magazine drew attention to paediatric sepsis.

HEALTHCARE ENGAGEMENT AND EQUITY RESEARCH

Professor Reema Harrison
reema.harrison@mq.edu.au

The Healthcare Engagement and Equity Research stream seeks to ensure healthcare staff and consumers are involved in decision making and care processes to improve quality of care and outcomes. Our inclusive participatory research methods seek to make sure every consumer voice is heard, particularly those who are seldom involved by health services.

During 2024, four resources have been co-produced with consumers and clinicians and are being tested throughout NSW and Victoria to improve care. These are:

- iCanPlan: An interprofessional education program to improve collaboration between cancer clinicians and interpreters in advance care planning.
- Listen to Me: A digital, patient reported experience measure (PREM) for people with intellectual disability.
- EngageEMR: An animated informational video about electronic medical records for multicultural consumers.
- Smarter Hospitals: Change Scorecard for NSW Health infrastructure.

MEDICATION SAFETY AND ELECTRONIC DECISION SUPPORT

Associate Professor Magda Raban
magda.raban@mq.edu.au

Medication errors and inappropriate medication therapy are a continuing challenge to the health system. The Medication Safety and Electronic Decision Support stream evaluates whether and how digital technology can reduce medication errors, support medication therapy decision making and improve patient outcomes.

We conduct our research across multiple care settings, including hospitals and residential aged care. We apply mixed methods to understand technology impact, how it is used, and identify well-designed and poorly designed system features.

As a result of a collaborative project with BESTMED, a digital portal to support consumer engagement in medication management in aged care is now available to >1000 facilities nationally.

In another highlight, the Health Innovation Series, with 25 bulletins on e-medication safety, has been downloaded over 11,000 times across more than 80 countries.

Our work on medication errors due to the configuration and design of digital systems in hospital, attracted 12 news articles and a piece in *The Conversation* by Associate Professor Raban and Professor Westbrook titled 'Our study finds how often IT flaws lead to the wrong drug or dose'. An invited perspective article 'Using AI to improve medication safety' was published in *Nature Medicine*.

Professor Westbrook was awarded an NHMRC Leadership Fellowship to expand research on optimising and leveraging technology to improve medication safety.

Professor Johanna Westbrook (centre) is the Co-Director of the Safety, Quality and Informatics Leadership Program at Harvard Medical School.

This program trains over 100 senior healthcare professionals from around the world each year in quality, safety and informatics.

Professor Jeffrey Braithwaite also teaches into this international program.

Centre for Healthcare Resilience and Implementation Science

"Every year we sit down and think, what are the key questions we need answered? And then collectively, as a team, we work out ways to fund, research and respond to those key questions. In 2024, amongst other questions, we focussed our attention on climate change and human health, AI and its implications for healthcare and clinical practice, and how we provide better care, especially to children and ageing patients."

— PROFESSOR JEFFREY BRAITHWAITE

At the Centre for Healthcare Resilience and Implementation Science (CHRIS), we take a multi-disciplinary approach to our work. We have people from over 30 countries researching a wide range of topics including climate change, cancer, aged care, mental health, resilience, genomics, emergency care, head injuries, hearing, patient safety and systems improvement.

Clinically trained research staff — doctors, nurses and allied health professionals such as physiotherapists, optometrists, and pharmacists — work shoulder-to-shoulder with social science and science trained staff including psychologists, sociologists, statisticians, data scientists, and engineers. Consumers, leaders and managers, policymakers, and politicians are all engaged in studies with us, as are many partners across Australia's jurisdictions and many international bodies including the UN, WHO, OECD, ISQua, and the Society for Organisational Behaviour in Health Care. All are contributing to our efforts to support global healthcare reform by generating research evidence to support better care.

We need this multidisciplinary focus because our work is multi-faceted. Our studies range across acute care settings, general practices, residential aged care, emergency departments and outpatient clinics. Our research is going on across the healthcare hierarchy — at the micro-level, on the front lines of care, but also at the meso- and macro-levels.

Scan the QR code to visit our webpage

Further information on our research follows in the research stream highlights and is featured throughout this Annual Report.

Professor Jeffrey Braithwaite

CHRIS Streams of Research

COMPLEX SYSTEMS AND IMPLEMENTATION SCIENCE

Professor Jeffrey Braithwaite, Associate Professor Louise Ellis, Associate Professor Janet Long, Dr Kate Churruca
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The Complex Systems and Implementation Science research stream delivers new insights on the dynamic and complex nature of healthcare. It focusses on how different people (like patients, doctors, and governments) interact with each other and their environment (e.g., medical processes and technology). To improve care, we take a big-picture approach, considering the influence of organisational culture and context. We also look at how to implement best-practices and new treatments, in areas like genetic medicine and mental health.

Key projects include the MRFF grant on the implementation of genomic testing in primary health; an NHMRC-EU collaboration grant on building resilience in aged care staff; and N-PARTI, which is testing a rapid translational process to implement best-practice across several paediatric conditions in primary care. We also commenced evaluation of a new model of care in general practice in partnership with Medibank Private and Amplar Health. Work continued with the HCF grant on consensus-based pathways for patients undergoing common surgeries (with Macquarie University Hospital); and data collection kicked off on the NHMRC-funded organisational culture in aged care project. In addition, research was undertaken in the fields of addiction medicine, implementation of liquid biopsy in cancer, resilience in hospital teams, and preventive care for people with intellectual disability.

Our research was well represented at numerous important conferences around the world, including the annual ISQua conference in Türkiye.

An additional cause for celebration was the awarding of doctorates to our candidates, Mary Simon and Olga Beliak.

HEALTH AND SOCIETAL OUTCOMES

Professor Rebecca Mitchell
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In the Health and Societal Outcomes research stream, we examine the incidence and burden of chronic disease and traumatic injury on the health system to determine priorities for preventive efforts. We conduct research in the health system and in the general population aimed at identifying where population health and societal outcomes could be enhanced.

During 2024, we examined:

- Potentially burdensome care at the end-of-life for cancer decedents, publishing our findings in *BMC Palliative Care* and delivering a webinar in April on the study findings for Palliative Care Australia.
- The impact of COVID-19 public health restrictions on fall-related hip fracture hospitalisations in NSW, using an interrupted time series analysis and published our findings in *Bone*.
- The survival of patients who had cancer diagnosed through an emergency hospital admission using a retrospective matched case-comparison study in Australia and published our findings in *Cancer Epidemiology* and presented results at the World Congress of Epidemiology in South Africa.

HEALTH SYSTEM SUSTAINABILITY

Professor Yvonne Zurynski
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The Health System Sustainability research stream emerged after the conclusion of our large NHMRC Partnership Centre for Health System Sustainability. Building a health system to last is our continuing priority.

Our stream's research informed models of integrated care for Type-1 diabetes, liver cancer, and children living with medical complexity. Funded by the MRFF, the National Paediatric Applied Research Translation Initiative and other projects (HeartConnect and Strengthening Care for Children) built capacity for care integration.

L-R Professor Jeffrey Braithwaite, Professor Robyn Clay-Williams, Professor Peter Hibbert, Professor Rebecca Mitchell, Professor Yvonne Zurynski

Through the RuralKidsGPS project we bolstered paediatric care coordination services in rural NSW.

A focus on health workforce policy and planning and learning health systems is featured in a book *Organising the Health Care Workforce* (Palgrave Macmillan, 2025 in-press). Our collaboration with Kings College London is focussed on better embedding non-traditional health worker roles such as care coordinators, navigators and link workers.

Through the MRFF funded RArEST project – in partnership with Rare Voices Australia – we built capacity for better rare disease care and advocacy. We held three national interdisciplinary workshops and produced the *Taking Action Together Toolkit*.

Our work with the Australian Social Prescribing Institute for Research and Education (ASPIRE) continues to promote social prescribing in Australia.

Our research was showcased at four international conferences and in 24 peer-reviewed papers.

HUMAN FACTORS AND RESILIENCE

Professor Robyn Clay-Williams
robyn.clay-williams@mq.edu.au

The Human Factors and Resilience stream focusses on creating health systems that are safe and meet the needs of patients and clinicians who treat them. Our team provides a vital contribution, nationally and internationally, to understanding how healthcare systems function, and how to make them safer for patients.

We continued to advance MyED, a large 5-year MRFF funded project working with consumers and clinicians to understand their needs and co-design new models of care that improve their outcomes and experience. The research is being conducted in NSW at Westmead, Blacktown, and Mount Druitt emergency departments where we completed Stage 1 data collection and analysis, including interviews with clinicians and epistemic experts, and interviews/focus groups with consumers with a disability or mental health condition. We also commenced Stage 2, completing four co-design workshops with consumers from culturally and linguistically diverse backgrounds, addressing communication and health system literacy needs. In a further milestone, we received ethics approval to establish the Aboriginal Reference Group.

INTERNATIONAL HEALTHCARE REFORM

Professor Jeffrey Braithwaite
jeffrey.braithwaite@mq.edu.au

Looking at how different countries execute their health reforms is the work of the International Healthcare Reform research stream. We have been studying reform efforts across the world—in low-, middle- and high-income health systems—for more than two decades. The question at the heart of our research is critical for countries and international agencies such as the WHO, UN and OECD: how can we contribute top-tier research evidence that countries, regardless of income levels, can use in their efforts to reform their own care system?

At the centre of this work are multiple articles in the international literature, and a widely used edited book series. Three books explore the reform activities of 152 diverse countries; another focusses on implementation science, and yet another on how countries are solving problems on a climate-pressurised planet.

Over 40 abstracts, posters, and talks were accepted from AIHI at ISQua's 40th annual conference. The event this year was held in Istanbul, Türkiye, on various aspects of systems improvement and healthcare reform. Of all international research groups, AIHI is consistently the largest contributor to this prestigious international conference.

LEARNING HEALTH SYSTEMS

Professor Jeffrey Braithwaite, Professor Yvonne Zurynski, Associate Professor Louise Ellis
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Healthcare produces a lot of data. Bringing all this timely and relevant information together is the goal of our Learning Health Systems (LHS) research stream. The aim is to integrate data, clinical information, test results, genomics profiles, and patient histories with patient-reported outcomes, preferences, and experiences, placing these diverse datasets at the disposal of key healthcare decision makers — patients, clinicians, and policymakers, for example.

Our seminal white paper presented the case for building the "Learning Health System 2.0" — a learning health system that is increasingly better prepared for, and adaptive to, the pressures of future pandemics and climate change.

The team conducted several rapid reviews on key themes to understand how healthcare organisations can be strategically enabled to become next generation LHSs.

Working with international colleagues, our stream played an important role in the development of the International Network for Activating Learning Health Systems (INACT-LHS) Toolkit and accompanying website. We participated in the Toolkit launch and LHS workshops at the low-, middle-, and high-income country targeted ISQua conference in Türkiye. Stemming from our ongoing collaboration with Macquarie University General Practice, two additional papers on reinvigorating general practice as a LHS were published in the *British Journal of General Practice* and *BMC Primary Care*.

OBSERVATORY ON THE FUTURE OF HEALTHCARE

Professor Jeffrey Braithwaite, Professor Yvonne Zurynski, Dr K-lynn Smith
yvonne.zurynski@mq.edu.au

The effects of climate change through, for example, weather sequalae, vector borne diseases, rising temperatures and increasing wildfires are undeniably impacting the health of populations and creating additional demands on already stretched healthcare systems and the workforce. At the same time, healthcare systems significantly contribute to greenhouse gas (GHG) emissions, accounting for 5-8% of all GHG emissions. We have published multiple papers analysing this complex bi-directional challenge where health systems must both adapt to, and mitigate, climate-related harm.

The Observatory on the Future of Healthcare (OFOH) works with partners nationally and internationally, including the OECD and ISQua to bolster system capacity to respond to this bi-directional challenge. Our work covers preparedness of health systems for climate change, effects on and resilience of the health workforce, and applying learning health systems approaches and health informatics solutions to inform mitigation strategies.

In a major effort at the intersection of climate, health system change and policy, we published *The Routledge Handbook of Climate Change and Health System Sustainability* (Routledge, 2024). In 2024, the OFOH published eight influential papers in high impact journals including *Nature Climate Change* and *The BMJ*.

We also put climate and health "front-and-centre" internationally by convening a Keynote Panel at the ISQua 2024 conference.

PATIENT SAFETY AND APPROPRIATENESS OF CARE

Professor Peter Hibbert, Professor Jeffrey Braithwaite
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The aim of the Patient Safety and Appropriateness of Care research stream is to research the level of evidence-based or best-practice healthcare that Australians receive. The team commenced data collection on a NHMRC Partnership Grant working together with our partners, the Clinical Excellence Commission NSW, Clinical Excellence Queensland, Safer Care Victoria, ACT Health, and the ACSQHC to develop and test evidence-based methods for healthcare organisations to improve and measure their response, analysis and learning from incidents, thereby reducing harm to patients. Data collection has included focus groups and interviews with staff, consumers, and international patient safety experts; and reviewing 300 serious patient safety investigation reports.

Professors Hibbert and Braithwaite taught for Harvard University, in the International Safety, Quality, Informatics and Leadership Program. Additionally, Professor Hibbert delivered 21 workshops and nine conference presentations across the year, including to the peak clinical safety and quality networks in NSW, Queensland, and Victoria.

The team worked with the Regional European Office of the WHO to inform healthcare performance frameworks and indicators for implementation in Greece.

FACULTY OF
MEDICINE, HEALTH
AND HUMAN SCIENCES

Graduate research program

EMPOWERING OUR STUDENTS TO THRIVE

2024 HIGHLIGHTS

PhD
52 Candidates

MRes
13 Candidates

REAL WORLD LEARNING WITH PACE
The multi-award-winning Professional and Community Engagement (PACE) program at Macquarie University supports undergraduate students with authentic workplace experiences. Each year, AIHI hosts PACE students, placing them alongside academics and professional staff to participate in projects ranging from medical informatics to medication safety.

AIHI proudly offers two premier graduate research programs tailored for ambitious students. These programs provide a dynamic collaborative learning experience alongside world-renowned researchers. Our Institute stands at the forefront of health systems innovation, equipping students with exceptional supervision and responsive guidance. High calibre students are strongly encouraged to explore our scholarship opportunities. Every individual is fully supported by at least two dedicated supervisors throughout their program. Potential students are invited to explore detailed program information and discover inspiring profiles of our accomplished PhD and Masters graduates on our website.

MASTER OF RESEARCH (MRES)

The MRes program empowers candidates to explore their areas of interest deeply, establishing a robust foundation for future doctoral studies.

DOCTOR OF PHILOSOPHY (PHD)

The PhD program is a prestigious degree that recognises significant research accomplishments and showcases the student's ability to conduct independent research. The degree demands a unique contribution to the field of research, illustrating coherence and originality through the discovery of new facts or through independent critical thinking.

We are extremely proud of the outstanding candidates in our Graduate Research program and offer a special congratulations to the following who were awarded during 2024.

PhD

Olga Beliak
Qunfei Chen
Isabelle Meulenbroeks
Natália Ransolin
Mariam Safi
Brenton Sanderson
Tanja Schroeder
Mary Simons
Anindya Susanto
Maryam Vizheh

MRes

Shuk Tong

Maryam Vizheh was one of 10 AIHI students to graduate with a PhD from Macquarie University during 2024.

Doctor of Medicine research program

EQUIPPING THE CLINICIANS OF TOMORROW

LEADS

Professor Robyn Clay-Williams

Professor Veronica Preda

In an increasingly interconnected world, the need for medical professionals who are patient-centred, safety-focussed, culturally responsive, and skilled in digital health systems has never been greater. Macquarie University's Doctor of Medicine (MD) program addresses this demand by encouraging students to expand their clinical knowledge and research skills. The program includes an 18 month research project, overseen by AIHI, during which students create a publication-ready manuscript and present their findings at a symposium-style forum. AIHI supported 63 MD students to successfully complete the MD Research Program in 2024.

Our staff

CELEBRATING OUR INDIVIDUAL AND COLLECTIVE EFFORT

AIHI wishes to express its gratitude to our outstanding staff for their steadfast dedication and significant contributions to the progression of healthcare research. This year has been incredibly fruitful, with each team member playing a pivotal role in developing innovative studies, nurturing partnerships, and making substantial progress in providing the research evidence to improve health systems around the world. The dedication, expertise, and collaborative spirit displayed by our team positions AIHI well for the future. AIHI consistently attracts highly skilled professionals from diverse fields, including clinicians, pharmacists, scientists, engineers, epidemiologists, statisticians, psychologists, economists, and analysts. Together, we form expert communities of practice, multidisciplinary research teams, and promote synergistic networking and co-authorship.

As a reflection of our culture of empowerment, we are very proud to report that in 2024, we have more females than males in senior academic positions at the Institute. Every promotion is a reason to celebrate, and we congratulate everyone who was promoted during 2024.

While nurturing our internal culture, we are also outward looking and each year come together to hold events raising awareness for UN International Women's Day, WHO World Patient Safety Day, and World Sepsis Day.

Professor Johanna Westbrook (centre) celebrates the academic promotions of (L-R) Professor Reema Harrison, Professor Robyn Clay-Williams, Associate Professor Annie Lau, and Associate Professor Bonny Parkinson.

Awards and recognition

HONOURING OUR TEAM FOR EXCELLENCE

IN NEW FELLOWSHIPS

Dr Anam Bilgrami was awarded the Macquarie University Research Fellowship for her project understanding high school mental health initiatives.

IN NEW APPOINTMENTS

Professor Jeffrey Braithwaite was appointed to the Board of the Australian Commission on Quality and Safety in Health Care.

Professor Henry Cutler was appointed a Visiting Fellow of the Nuffield Department of Population Health, Oxford University.

Associate Professor Bonny Parkinson was appointed Deputy Director of the Macquarie University Centre for the Health Economy.

Professor Peter Hibbert was invited to join the DoHAC's National Aged Care Mandatory Quality Indicator Program Technical Advisory Group.

IN PRIZES

Dr Ashfaq Chauhan received the 2024 NSW Premier's Award for Outstanding Cancer Research, Early Career Research Award. He also received the 2024 Health Services Research Association Australia and New Zealand New Investigator Award.

Dr Georgia Fisher and co-authors received the *BMJ Health and Care Informatics* Editor's Choice Award for the paper 'Barriers and facilitators to learning health systems in primary care: a framework analysis'.

Julie Li received the Branko Cesnik Award for Best Student Academic / Scientific Paper at the Health Innovation Community conference.

IN RECOGNITION

Corey Adams and Professor Reema Harrison were recognised by *Health Expectations* for their article 'The ultimate question? Evaluating the use of Net Promoter Score in healthcare: A systematic review' which was ranked by the journal in the top 10% of their papers downloaded in 2024.

Professors Enrico Coiera and Farah Magrabi were invited experts at the Senate Select Committee on Adopting AI.

Associate Professor Jonas Fooken was recognised by *The Australian's* 2025 Research Magazine as the top researcher in Game Theory and Decision Science.

Dr Rajendra Gyawali received the Brian Kirby Prize for Research Excellence in Optometry awarded from the University of New South Wales for the 'Doctoral student in optometry with the best thesis'.

Dr Natália Ransolin was awarded the Australia-Brazil Alumni Grant from the Australian Embassy in Brazil.

IN MACQUARIE UNIVERSITY AWARDS

Associate Professor Yuanyuan Gu was awarded the Faculty of Arts Research Engagement Award for his role in the Early Childhood Education and Care Pay and Conditions Research project where he led the Discrete Choice Experiment study.

Kanesha Ward won the Macquarie round of the International Visualise Your Thesis competition; and achieved first place in the AIHI round of the University 3 Minute Thesis competition.

Dr Anindya Susanto won the People's Choice Award at the Macquarie round of the Visualise Your Thesis competition.

Julie Li won the People's Choice Award in the AIHI round of the 3 Minute Thesis competition.

AIHI performed strongly at the Faculty of Medicine, Health and Human Sciences EnCouRage Network Early Career Researcher symposium, with the following results:

Outstanding Publication Award – Dr Emilie Francis-Auton, for a paper published in *The Milbank Quarterly*

Poster Presentation Award – Dr Hania Rahimi Ardabili

Image Competition Award – Homay Danaei Mehr

5-minute Oral Presentation winner (ECR) – Dr Tim Jackson

5-minute Oral Presentation winner (professional staff) – Shalini Wijekulasuriya

Spirit of EnCouRage, Faculty Citizen Award – Dr Samantha Spanos

Spirit of EnCouRage Unsung Hero Award – Dr Georgia Fisher

CONGRATULATIONS TO ALL THE WINNERS AND FINALISTS OF THE 5TH ANNUAL MACQUARIE UNIVERSITY WIDE EARLY CAREER RESEARCHER SHOWCASE (PICTURED HERE). THE QUALITY OF ALL PRESENTATIONS, ARTWORKS AND VIDEOS WAS EXCEPTIONAL AND HIGHLIGHTS THE EXEMPLARY STANDARD OF MACQUARIE'S RISING STARS. AIHI'S DR TIM JACKSON WON THE RESEARCH GALLERY AWARD AND THE IMPACT AWARD, WHILE DR FEI YANG WON THE RESEARCH REELS AWARD.

AIHI awards 2024

RESEARCHER OF THE YEAR

CHRIS
Professor Rebecca Mitchell

CHI
Dr Sidong Liu

CHSSR
Professor Reema Harrison

MUCHE
Associate Professor Bonny Parkinson

PUBLICATION PRIZE

CHRIS
Associate Professor Janet Long

CHI
Dr Hao Xiong
Professor Shlomo Berkovsky

CHSSR
Dr Nasir Wabe

MUCHE
Dr Anam Bilgrami

RISING STAR

CHRIS
Dr Georgia Fisher

CHI
Dr Cong (Thomas) Cong

CHSSR
Dr Ashfaq Chauhan

MUCHE
Dr Rajan Sharma

STUDENT PRIZE

CHRIS
Sagda Osman

CHI
Kanesha Ward
Dr Anindya Susanto

CHSSR
Dr Isabelle Meulenbroeks

MUCHE
Qunfei Chen

PROFESSIONAL EXCELLENCE

CHRIS
Charli Molloy

CHI
Anastasia Chan

CHSSR
Ash Mathai

MUCHE
Kermeez Kiash

PROFESSIONAL EXCELLENCE IN MD RESEARCH PROJECT SUPERVISION

Dr Hania Rahimi Ardabili

INSTITUTE DIRECTORS' AWARD FOR CONTRIBUTIONS TO THE INSTITUTE

Kelly Smith

INSTITUTE DIRECTORS' AWARD FOR SERVICES TO THE INSTITUTE

Mary-Elizabeth Denmark

SPECIAL COMMENDATION – CELEBRATING 10 YEARS AT MACQUARIE UNIVERSITY

Faculty of Medicine, Health and Human Sciences

SPECIAL COMMENDATION – CELEBRATING 10 YEARS AT MACQUARIE UNIVERSITY

Macquarie Business School

Symposia

SUPPORTING KNOWLEDGE EXCHANGE

Associate Professor Paige McDonald with Professor Jeffrey Braithwaite at AIHI Conversations.

AIHI recognises the importance of exchanging ideas, promoting innovative research, and endorsing calls to action that spark debate and contribute to the enhancement of health systems both in Australia and around the world. AIHI runs in-person seminars, known as AIHI Conversations, as well as the AIHI Webinar Series which have garnered international audiences, showcasing popular presentations by esteemed researchers and clinicians, and fostering a platform for valuable insights and discussion.

Scan the QR code to visit our AIHI YouTube channel

FROM THEORY TO POLICY IN RESILIENT HEALTHCARE

Professor Siri Wiig, Centre Director, SHARE, Centre for Resilience in Healthcare, University of Stavanger, Norway, discussed the importance of resilience in healthcare, including in aged care settings. The seminar covered findings from the Resilience in Healthcare research program and introduced the Support4Resilience project, funded by €6 million EU Horizon Grant, involving AIHI as the only participant outside of the EU.

TRANSLATION, IMPLEMENTATION, AND LEARNING IN HEALTH SYSTEMS: WHAT'S NEXT?

Associate Professor Paige McDonald, Vice Chair for the Department of Clinical Research and Leadership at George Washington University, USA, presented the University's PhD program in Translational Health Science, which emphasises translation to clinical practice and population health. Associate Professor McDonald highlighted the inspiration the program had drawn from AIHI's leadership in complexity science.

Associate Professor McDonald discussed how systems science, implementation science, and collaboration science had informed their interdisciplinary curriculum which is designed to promote knowledge translation and implementation in complex health systems.

EMPLOYER QUALITY, RESIDENTIAL AMENITIES AND SKILLED WORKER MOBILITY: EVIDENCE FROM HOSPITAL DOCTORS' LOCATION CHOICES

Dr Giuseppe Moscelli from the University of Surrey, UK, presented on how hospital doctors' job choices are influenced by employer quality and residential amenities. His study revealed that doctors prioritise better patient care and clinical excellence, along with good schools and lower crime rates, when relocating. Significant differences were found among age and gender subgroups.

SELECTED OTHER HIGHLIGHTS FROM 2024:

- Professor Helen Reddel, The Woolcock Institute of Medical Research: The challenges in changing 50-year-old assumptions about asthma treatment
- Professor Jill Maben OBE, University of Surrey, UK: Addressing unprofessional behaviour between healthcare staff: Evidence, recommendations, and next steps
- Dr Jonas Schreyögg, University of Hamburg, Germany: Country-level effects of diagnosis-related groups: Evidence from Germany's comprehensive reform of hospital payments
- Professor Anthony Scott, Monash Business School: The responses of doctors to a fall in demand for voluntary private health insurance

Publications

1 JANUARY TO 31 DECEMBER 2024

PUBLISHING IN THE HIGHEST-RANKING JOURNALS IN OUR FIELD

2	23	325	10	30	25	99
Edited books	Book chapters	Peer reviewed journal articles	Letters to the editor and editorials	Full conference papers	Commissioned reports	Other peer-reviewed outputs

EDITED BOOKS

1. Braithwaite, J, Zurynski, Y & Smith, CK (eds) 2024, Routledge Handbook of climate change and health system sustainability. Routledge, Taylor and Francis Group, Abingdon. https://doi.org/10.4324/9781032701196
2. Liu, S, Castillo-Olea, C & Berkovsky, S (eds) 2024, Advances in AI for health and medical applications. MDPI, Switzerland. https://doi.org/10.3390/books978-3-7258-0368-2

BOOK CHAPTERS

1. Austin, E 2024, Good work in the Emergency Department: a journey through discovery, design, and realisation. in S Pazell & J Boylan (eds), *Healthcare insights: the voice of the consumer, the provider, and the work design strategist*. Workplace Insights: Real-world Health, Safety, Wellbeing and Human Performance Cases, CRC Press, Taylor & Francis Group, Boca Raton, FL, pp. 196-208. https://doi.org/10.1201/9781032711195-21
2. Braithwaite, J 2024, Can we have a sustainable health system? in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 10-19. https://doi.org/10.4324/9781032701196-3
3. Braithwaite, J 2024, Creating sustainable healthcare systems to cope with a changing climate: the time is now. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 432-435. https://doi.org/10.4324/9781032701196-48
4. Braithwaite, J 2024, The healthcare regulatory ecosystem. in J-C Le Coze & B Journé (eds), *The regulator–regulatee relationship in high-hazard industry sectors: new actors and new viewpoints in a conservative landscape*. SpringerBriefs in Applied Sciences and Technology, Springer Nature Switzerland AG, Switzerland, pp. 33-43. https://doi.org/10.1007/978-3-031-49570-0_4
5. Braithwaite, J, Churruca, K, Clay-Williams, R, Cutler, H, Ellis, LA, Long, JC, Mitchell, R, Mumford, V, Rapport, F, Simons, M & Zurynski, Y 2024, Health policy in Australia. in M Powell, TI Agartan & D Béland (eds), *Research Handbook on Health Care Policy*. Edward Elgar Publishing Ltd., Cheltenham, UK, pp. 347-373.
6. Braithwaite, J, Ellis, LA, Fisher, G, Smith, CK & Zurynski, Y 2024, Is the Learning Health System 2.0 (LHS 2.0) a solution to healthcare's climate challenges? in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 260-270. https://doi.org/10.4324/9781032701196-31
7. Braithwaite, J, Zurynski, Y & Smith, CK 2024, Bringing it together. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 409-431. https://doi.org/10.4324/9781032701196-47
8. Braithwaite, J, Zurynski, Y & Smith, CK 2024, Creating climate-resilient, sustainable health systems: perspectives from health ministers. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 20-23. https://doi.org/10.4324/9781032701196-4
9. Braithwaite, J, Zurynski, Y & Smith, CKL 2024, How we got to here. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 3-9. https://doi.org/10.4324/9781032701196-2
10. Cong, C, Liu, S, Di Ieva, A, Russo, C, Suero Molina, E, Pagnucco, M & Song, Y 2024, Computer vision in digital neuropathology. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Springer Nature, Switzerland, pp. 123-138. https://doi.org/10.1007/978-3-031-64892-2_8
11. Di Ieva, A, Suero Molina, E, Liu, S & Russo, C 2024, Computational neurosurgery: Foundation. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Switzerland, pp. 1-8. https://doi.org/10.1007/978-3-031-64892-2_1
12. Di Ieva, A, Suero Molina, E, Somerville, MA, Beheshti, A, Staartjes, VE, Serra, C, Theodore, N, Elliott, JM, Wesselink, EO, Russo, C, Pilitsis, JG, Bennett, CC, Wu, S, Hammond, FM, Lozano, AM, Cusimano, MD, Davidson, JM, Castellano, JF, Okonkwo, DO, Arefan, D, Lee, C-C, Zanier, O, Da Mutten, R, Matula, C, Rutka, JT, Pease, M, Liu, S, Stummer, W, Matulionyte, R, Yang, H, Yuwen, C, Cheng, X, Fan, H, Wang, X, Ge, Z, Cepeda, S, Sheehan, JP, Yang, JY-M, Hamer, RP, Cohen-Gadol, A, Hansford, JR, Savage, G, Sowman, PF, Stewart, C, Kateb, B, Sherif, C, Perperidis, A, Guller, A, Hanft, S, D'Amico, RS, Sav, A, Cong, C, Song, Y, Nicolosi, F, Wiedmann, MKH, Barone, DG, Noorani, I, Magnussen, J, Krieg, SM, Meling, TR, De Ridder, D, Lawton, MT & Rosenfeld, JV 2024, Declaration of computational neurosurgery. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Switzerland, pp. 11-20. https://doi.org/10.1007/978-3-031-64892-2_2
13. Hillman, K, Churruca, K, Ehrenfeld, L & Braithwaite, J 2024, Rapid response systems and the culture of safety. in MA DeVita (ed.), *Textbook of Rapid Response Systems: Concept and Implementation*. Third edn, Springer, Cham, Switzerland, pp. 25-31. https://doi.org/10.1007/978-3-031-67951-3_3
14. Leask, E, Ellis, LA, Dammery, G & Braithwaite, J 2024, Mental health in a time of crisis: the detrimental effects of climate change. in J Braithwaite, Y Zurynski & CK

Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 44-56. https://doi.org/10.4324/9781032701196-9

15. Lind, KE & Raban, MZ 2024, Using large datasets to measure health status and service use of older adults. in *Oxford Research Encyclopedia of Global Public Health*. Oxford University Press. https://doi.org/10.1093/acrefore/9780190632366.013.472
16. Liu, S, Russo, C, Suero Molina, E & Di Ieva, A 2024, Artificial intelligence methods. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Switzerland, pp. 21-38. https://doi.org/10.1007/978-3-031-64892-2_3
17. Newport, RA, Liu, S & Di Ieva, A 2024, Analyzing eye paths using fractals. in A Di Ieva (ed.), *The fractal geometry of the brain*. 2nd edn, Advances in Neurobiology, vol. 36, Springer, Springer Nature, Switzerland, pp. 827-848. https://doi.org/10.1007/978-3-031-47606-8_42
18. Rahimi-Ardabili, H, Magrabi, F & Coiera, E 2024, Digital health solutions to climate change challenges. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 233-246. https://doi.org/10.4324/9781032701196-29
19. Smith, CK & Dammery, G 2024, Learning healthcare systems: how to improve health system sustainability in the era of climate change. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 247-259. https://doi.org/10.4324/9781032701196-30
20. Smith, CK, Quain, A & Page, SW 2024, Antimicrobial use and antimicrobial resistance in people and animals and its potential impacts on planetary health. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 57-67. https://doi.org/10.4324/9781032701196-10
21. Suero Molina, E, Azemi, G, Russo, C, Liu, S & Di Ieva, A 2024, Artificial intelligence in brain tumors. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Springer Nature, Switzerland, pp. 201-220. https://doi.org/10.1007/978-3-031-64892-2_12
22. Yan, S, Liu, S, Di Ieva, A, Pagnucco, M & Song, Y 2024, Meta-transfer learning for brain tumor segmentation: within and beyond glioma. in A Di Ieva, E Suero Molina, S Liu & C Russo (eds), *Computational neurosurgery*. Advances in Experimental Medicine and Biology, vol. 1462, Springer, Switzerland, pp. 221-230. https://doi.org/10.1007/978-3-031-64892-2_13
23. Zurynski, Y, Goodwin, N & Wijekulasuriya, S 2024, It's not what you do, it's the way that you do it: reducing the carbon footprint of healthcare through models of integrated care. in J Braithwaite, Y Zurynski & CK Smith (eds), *Routledge Handbook of climate change and health system sustainability*. Routledge, Taylor and Francis Group, Abingdon, pp. 295-305. https://doi.org/10.4324/9781032701196-35

PEER-REVIEWED JOURNAL ARTICLES

1. Abiona, O 2024, 'Weather shocks, birth and early life health: Evidence of different gender impacts', *Journal of African Economies*, vol. 33, no. 1, pp. 46-66. https://doi.org/10.1093/jae/ejac031
2. Abiona, O, Haywood, P, Yu, S, Hall, J, Fiebig, DG & van Gool, K 2024, 'Physician responses to insurance benefit restrictions: The case of ophthalmology', *Health Economics (United Kingdom)*, vol. 33, no. 5, pp. 911-928. https://doi.org/10.1002/hec.4799
3. Ackermann, K, Lynch, I, Aryal, N, Westbrook, J & Li, L 2025, 'Hospital readmission after surviving sepsis: a systematic review of readmission reasons and meta-analysis of readmission rates', *Journal of Critical Care*, vol. 85, 154925, pp. 1-9. https://doi.org/10.1016/j.jcrc.2024.154925
4. Adams, C, Harrison, R & Wolf, JA 2024, 'The evolution of patient experience: from holistic care to human experience', *Patient Experience Journal*, vol. 11, no. 1, pp. 4-13. https://doi.org/10.35680/2372-0247.1947
5. Adams, C, Harrison, R, Iqbal, MP, Schembri, A & Walpola, R 2024, 'From detractors to promoters: a comparative analysis of patient experience drivers across Net Promoter Score subcategories', *International Journal of Nursing Practice*, vol. 30, no. 1, e13197, pp. 1-9. https://doi.org/10.1111/ijn.13197
6. Adams, C, Harrison, R, Merchant, A, Arblaster, N, Bucknall, T, Gray, K, Ozavci, G, Wickramasinghe, N, Yuan, V & Manias, E 2024, 'Experiences of using electronic medical records among patients from ethnic minority backgrounds: a rapid review', *Patient Experience Journal*, vol. 11, no. 3, 18, pp. 157-170. https://doi.org/10.35680/2372-0247.1972
7. Adams, C, Harrison, R, Schembri, A, Junge, M & Walpola, R 2024, 'The silent threat: investigating sleep disturbances in hospitalized patients', *International Journal for Quality in Health Care*, vol. 36, no. 2, mzae042, pp. 1-6. https://doi.org/10.1093/intqhc/mzae042
8. Adams, C, Walpola, R, Iqbal, MP, Schembri, A & Harrison, R 2024, 'The three pillars of patient experience: identifying key drivers of patient experience to improve quality in healthcare', *Journal of Public Health (Germany)*. https://doi.org/10.1007/s10389-023-02158-y
9. Adams, C, Walpola, R, Schembri, A & Harrison, R 2024, 'The HUSH Project: using codesign to reduce sleep disruptions for patients in hospital', *Health Expectations*, vol. 27, no. 1, e13881, pp. 1-7. https://doi.org/10.1111/hex.13881

10. Adams, C, Walsan, R, McDonnell, R & Schembri, A 2024, 'As loud as a construction site: noise levels in the emergency department', *Australasian Emergency Care*, vol. 27, no. 1, pp. 26-29. https://doi.org/10.1016/j.auec.2023.07.004

11. Adams, C, Walsan, R, Schembri, A, Sharma, A, Walpola, R & Harrison, R 2024, 'Does patient experience change with age? Exploring associations between patient experience, gender and age', *Patient Experience Journal*, vol. 11, no. 1, pp. 141-148. https://doi.org/10.35680/2372-0247.1890

12. Ahmed, KY, Dadi, AF, Kibret, GD, Bizuayehu, HM, Hassen, TA, Amsalu, E, Ketema, DB, Kassa, ZY, Bore, MG, Alebel, A, Alemu, AA, Shifa, JE, Leshargie, CT, Thapa, S, Omar, SH & Ross, AG 2024, 'Population modifiable risk factors associated with under-5 acute respiratory tract infections and diarrhoea in 25 countries in sub-Saharan Africa (2014-2021): an analysis of data from demographic and health surveys', *eClinicalMedicine*, vol. 68, 102444, pp. 1-11. https://doi.org/10.1016/j.eclinm.2024.102444

13. Ahmed, KY, Thapa, S, Hassen, TA, Tegegne, TK, Dadi, AF, Odo, DB, Bizuayehu, HM, Shifti, DM, Belachew, SA, Kibret, GD, Ketema, DB, Kassa, ZY, Amsalu, E, Bore, MG, Seid, A, Mesfin, YM, Kibret, KT, Huda, MM, Mahmood, S, Anyasodor, AE & Ross, AG 2024, 'Population modifiable risk factors associated with neonatal mortality in 35 sub-Saharan Africa countries: analysis of data from demographic and health surveys', *eClinicalMedicine*, vol. 73, 102682, pp. 1-12. https://doi.org/10.1016/j.eclinm.2024.102682

14. Ahmed, Z, Gu, Y, Sinha, K, Mutowo, M, Gauld, N & Parkinson, B 2024, 'A qualitative exploration of the over-the-counter availability of oral contraceptive pills in Australia', *PLoS ONE*, vol. 19, no. 6, e0305085, pp. 1-19. https://doi.org/10.1371/journal.pone.0305085

15. Altinger, G, Sharma, S, Maher, CG, Cullen, L, McCaffery, K, Linder, JA, Buchbinder, R, Harris, IA, Coiera, E, Li, Q, Howard, K, Coggins, A, Middleton, PM, Gunja, N, Ferguson, I, Chan, T, Tambree, K, Varshney, A, Traeger, AC & NUDG-ED Study Group 2024, 'Behavioural 'nudging' interventions to reduce low-value care for low back pain in the emergency department (NUDG-ED): protocol for a 2×2 factorial, before-after, cluster randomised trial', *BMJ Open*, vol. 14, no. 3, e079870, pp. 1-12. https://doi.org/10.1136/bmjopen-2023-079870

16. Ansmann, L, Nöst, S, Körner, M, Auschra, C, Bal, R, Böddeker, M, Bode, I, Braithwaite, J, Breidenbach, C, Coors, M, Demirer, I, Exworthy, M, Harst, L, Heuser, C, Hoffmann, J, Köberlein-Neu, J, Krajic, K, Maniatopoulos, G, Mannion, R, Möhler, R, Pfaff, H, Rieger, MA, Rind, E, Helge Schnack, MA, Anke Wagner, MA, Weigl, M, Wensing, M, Wiig, S, Wild, E, Wilhelm, H, Wirtz, M & Götz, K 2024, 'Navigating the future of organisational health services research in Germany and beyond: a position paper', *Gesundheitswesen (Bundesverband der Arzte des Offentlichen Gesundheitsdienstes (Germany))*, vol. 86, no. Supplement 4, pp. S259-S266. https://doi.org/10.1055/a-2308-7384

17. Aunger, JA, Abrams, R, Mannion, R, Westbrook, JI, Jones, A, Wright, JM, Pearson, M & Maben, J 2024, 'How can interventions more directly address drivers of unprofessional behaviour between healthcare staff?', *BMJ Open Quality*, vol. 13, no. 3, e002830, pp. 1-5. https://doi.org/10.1136/bmjoq-2024-002830

18. Aunger, JA, Abrams, R, Westbrook, JI, Wright, JM, Pearson, M, Jones, A, Mannion, R & Maben, J 2024, 'Why do acute healthcare staff behave unprofessionally towards each other and how can these behaviours be reduced? A realist review', *Health and Social Care Delivery Research*, vol. 12, no. 25, pp. 1-195. https://doi.org/10.3310/PAMV3758

19. Austin, E, Cheek, C, Richardson, L, Testa, L, Dominello, A, Long, JC, Carrigan, A, Ellis, LA, Norman, A, Murphy, M, Smith, K, Gillies, D & Clay-Williams, R 2024, 'Improving emergency department care for adults presenting with mental illness: a systematic review of strategies and their impact on outcomes, experience and performance', *Frontiers in Psychiatry*, vol. 15, 1368129, pp. 1-14. https://doi.org/10.3389/fpsyt.2024.1368129

20. Austin, EE, Blakely, B, Salmon, P, Braithwaite, J & Clay-Williams, R 2024, 'Eadem Sed Aliter. Validating an emergency department work domain analysis across three hospital configurations', *Applied Ergonomics*, vol. 117, 104240, pp. 1-8. https://doi.org/10.1016/j.apergo.2024.104240

21. Austin, EE, Carrigan, A, Holden, N, Grigg, S, Maka, K, Clay-Williams, R, Hibbert, PD, Loy, G & Braithwaite, J 2024, 'Birang Daruganora: what do Aboriginal and Torres Strait Islander communities need in a new hospital? A qualitative study', *BMJ Open*, vol. 14, no. 5, e078658, pp. 1-11. https://doi.org/10.1136/bmjopen-2023-078658

22. Badgery-Parker, T, Li, L, Fitzpatrick, E, Mumford, V, Raban, MZ & Westbrook, JI 2024, 'Child age and risk of medication error: a multisite children's hospital study', *The Journal of Pediatrics*, vol. 272, 114087, pp. 1-8. https://doi.org/10.1016/j.jpeds.2024.114087

23. Baker, JR, Bissett, M, Freak-Poli, R, Dingle, GA, Zurynski, Y, Astell-Burt, T, Brymer, E, Prassos, T, Thomas, T, Tognarini, C & Aggar, C 2024, 'Australian link worker social prescribing programs: an integrative review', *PLoS ONE*, vol. 19, no. 11 November, e0309783, pp. 1-18. https://doi.org/10.1371/journal.pone.0309783

24. Baldwin, E, Fooken, J & Rowell, D 2024, 'Private health insurance and health in a healthcare system with comprehensive public insurance', *Empirical Economics*. https://doi.org/10.1007/s00181-024-02680-2

25. Batchelor, J, Hemmert, C, Meulenbroeks, I, Tang, C, Harrison, R, Ogrin, R, Baillie, A & Sarkies, M 2024, 'Factors influencing the translation of evidence into clinical practice for hospital allied health professionals in terms of the domains of behaviour change theory: a systematic review', *Evaluation and the Health Professions*. https://doi.org/10.1177/01632787241285993

26. Batool, N, Raban, MZ, Seaman, KL, Westbrook, JI & Wabe, N 2024, 'Use of potentially inappropriate psychotropic medicines among older adults in 23 residential aged care facilities in Australia: a retrospective cohort study', *BMC Geriatrics*, vol. 24, no. 1, 953, pp. 1-11. https://doi.org/10.1186/s12877-024-05542-9

27. Baysari, MT, Van Dort, BA, Stanceski, K, Hargreaves, A, Zheng, WY, Moran, M, Day, RO, Li, L, Westbrook, J & Hilmer, SN 2024, 'Qualitative study of challenges with recruitment of hospitals into a cluster controlled trial of clinical decision support in Australia', *BMJ Open*, vol. 14, no. 3, e080610, pp. 1-6. https://doi.org/10.1136/bmjopen-2023-080610

28. Bell, JJ, Mitchell, RJ, Harris, IA, Seymour, H, Armstrong, E, Harris, R, Fleming, S, Hurring, S & Close, J 2024, 'Oral nutritional supplementation in older adults with a hip fracture: findings from a bi-national clinical audit', *Healthcare*, vol. 12, no. 21, 2157, pp. 1-11. https://doi.org/10.3390/healthcare12212157

29. Bertie, L-A, Quiroz, JC, Berkovsky, S, Arendt, K, Bögels, S, Coleman, JRI, Cooper, P, Creswell, C, Eley, TC, Hartman, C, Fjermestadt, K, In-Albon, T, Lavallee, K, Lester, KJ, Lyneham, HJ, Marin, CE, McKinnon, A, McLellan, LF, Meiser-Stedman, R, Nauta, M, Rapee, RM, Schneider, S, Schniering, C, Silverman, WK, Thastum, M, Thirlwall, K, Waite, P, Wergeland, GJ, Wuthrich, V & Hudson, JL 2024, 'Predicting remission following CBT for childhood anxiety disorders: a machine learning approach', *Psychological Medicine*, vol. 54, no. 16, pp. 4612-4622. https://doi.org/10.1017/S0033291724002654

30. Bérubé, C, Nißen, M, Vinay, R, Geiger, A, Budig, T, Bhandari, A, Pe Benito, CR, Ibarcena, N, Pistolese, O, Li, P, Sawad, AB, Fleisch, E, Stettler, C, Hemsley, B, Berkovsky, S, Kowatsch, T & Kocaballi, AB 2024, 'Proactive behavior in voice assistants: a systematic review and conceptual model', *Computers in Human Behavior Reports*, vol. 14, 100411, pp. 1-17. https://doi.org/10.1016/j.chbr.2024.100411

31. Bhalla, H, Huang, G, Seaman, K, Silva, SSM, Wu, B, Wabe, N, Westbrook, JI & Nguyen, AD 2024, 'Diabetes in residential aged care: pharmacological management and concordance with clinical guidelines', *Australasian Journal on Ageing*, vol. 43, no. 4, pp. 792-801. https://doi.org/10.1111/ajag.13351

32. Bilgrami, A, Aghdaee, M, Gu, Y, Cutler, H, Numbers, K, Kochan, NA, Sachdev, PS & Brodaty, H 2024, 'Patterns in health care use and intensity for diagnosed and undiagnosed cognitive impairment in the older Australian community: implications for primary care management', *SSM - Population Health*, vol. 27, 101693, pp. 1-14. https://doi.org/10.1016/j.ssmph.2024.101693

33. Bilgrami, A, Cutler, H & Sinha, K 2025, 'Higher penalties, broader definitions, and national standards: Did harmonized Australian workplace health and safety laws reduce workers' compensation receipt?', *Industrial Relations: A Journal of Economy and Society*, vol. 64, no. 1, pp. 77-102. https://doi.org/10.1111/irel.12357

34. Bilgrami, A, Cutler, H, Gu, Y, Aghdaee, M & Gu, M 2024, 'Complexity and competing interests: what factors bear on payment choices and financial decisions made for older people entering nursing homes?', *Applied Economics*. https://doi.org/10.1080/00036846.2024.2313593

35. Bizuayehu, HM, Ahmed, KY, Kibret, GD, Dadi, AF, Belachew, SA, Bagade, T, Tegegne, TK, Venchiarutti, RL, Kibret, KT, Hailegebireal, AH, Assefa, Y, Khan, MN, Abajobir, A, Alene, KA, Mengesha, Z, Erku, D, Enquobahrie, DA, Minas, TZ, Misgan, E & Ross, AG 2024, 'Global disparities of cancer and its projected burden in 2050', *JAMA Network Open*, vol. 7, no. 11, e2443198, pp. 1-14. https://doi.org/10.1001/jamanetworkopen.2024.43198

36. Bizuayehu, HM, Dadi, AF, Ahmed, KY, Tegegne, TK, Hassen, TA, Kibret, GD, Ketema, DB, Bore, MG, Thapa, S, Odo, DB, Kassa, ZY, Shifti, DM, Amsalu, E, Sarich, P, Venchiarutti, RL, Melaku, YA, Kibret, KT, Habte, A, Mefsin, YM, Seid, A & Belachew, SA 2024, 'Burden of 30 cancers among men: global statistics in 2022 and projections for 2050 using population-based estimates', *Cancer*, vol. 130, no. 21, pp. 3708-3723. https://doi.org/10.1002/cncr.35458

37. Bizuayehu, HM, Dadi, AF, Hassen, TA, Ketema, DB, Ahmed, KY, Kassa, ZY, Amsalu, E, Kibret, GD, Alemu, AA, Alebel, A, Shifa, JE, Assefa, Y, Tessema, GA, Sarich, P, Gebremedhin, AF & Bore, MG 2024, 'Global burden of 34 cancers among women in 2020 and projections to 2040: population-based data from 185 countries/territories', *International Journal of Cancer*, vol. 154, no. 8, pp. 1377-1393. https://doi.org/10.1002/ijc.34809

38. Bjønness, S, Leidland, C, Ellis, LA & Ree, E 2024, 'Young people's experiences of being involved in quality improvement of youth mental health services', *Discover Health Systems*, vol. 3, 7. https://doi.org/10.1007/s44250-024-00068-8

39. Black, D, Byrne, D, Walke, A, Liu, S, Di Ieva, A, Kaneko, S, Stummer, W, Salcudean, T & Suero Molina, E 2024, 'Towards machine learning-based quantitative hyperspectral image guidance for brain tumor resection', *Communications Medicine*, vol. 4, no. 1, 131, pp. 1-11. https://doi.org/10.1038/s43856-024-00562-3

40. Bleckly, F 2024, 'Importance of role models and mentors for improving care for late-deafened adults who become cochlear implant recipients', *International Journal of Audiology*, vol. 63, no. 11, pp. 837-843. https://doi.org/10.1080/14992027.2024.2305676

41. Bleckly, F, Lo, CY, Rapport, F & Clay-Williams, R 2024, 'Music perception, appreciation, and participation in postlingually deafened adults and cochlear implant users: a systematic literature review', *Trends in Hearing*, vol. 28, pp. 1-35. https://doi.org/10.1177/23312165241287391

42. Bleckly, F, Matthews, N & Lo, CY 2024, 'Identity change of late-deafened adults after receiving cochlear implants', *Disability and Rehabilitation: Assistive Technology*, vol. 19, no. 4, 2198565, pp. 1463-1472. https://doi.org/10.1080/17483107.2023.2198565

43. Bowden, N, Hedquist, A, Dai, D, Abiona, O, Bernal-Delgado, E, Blankart, CR, Cartailler, J, Estupiñán-Romero, F, Haywood, P, Or, Z, Papanicolas, I, Stafford, M, Wyatt, S, Sund, R, Uwitonze, JP, Wodchis, WP, Gauld, R, Vu, H, Sawaya, T & Figueroa, JF 2024, 'International comparison of hospitalizations and emergency department visits related to mental health conditions across high-income countries before and during the COVID-19 pandemic', *Health Services Research*, vol. 59, no. 6, e14386, pp. 1-14. https://doi.org/10.1111/1475-6773.14386

44. Braithwaite, J & Fisher, G 2024, 'Beyond the aspirational: Creating the future of health care in Australia', *Internal Medicine Journal*, vol. 54, no. 2, pp. 342-347. https://doi.org/10.1111/imj.16286

45. Braithwaite, J, Churruca, K, Ellis, LA, Leask, E, Long, JC, Sarkies, M, Zurynski, Y & Clay-Williams, R 2024, 'Resilient health care performance in the real world: fixing problems that never happened', *BMC Health Services Research*, vol. 24, no. 1, 1250, pp. 1-11. https://doi.org/10.1186/s12913-024-11639-z

46. Braithwaite, J, Leask, E, Smith, CL, Dammery, G, Brooke-Cowden, K, Carrigan, A, McQuillan, E, Ehrenfeld, L, Coiera, E, Westbrook, J & Zurynski, Y 2024, 'Analysing health system capacity and preparedness for climate change', *Nature Climate Change*, vol. 14, no. 5, pp. 536-546. https://doi.org/10.1038/s41558-024-01994-4

47. Braithwaite, J, Smith, CL, Leask, E, Wijekulasuriya, S, Brooke-Cowden, K, Fisher, G, Patel, R, Pagano, L, Rahimi-Ardabili, H, Spanos, S, Rojas, C, Partington, A, McQuillan, E, Dammery, G, Carrigan, A, Ehrenfeld, L, Coiera, E, Westbrook, J & Zurynski, Y 2024, 'Strategies and tactics to reduce the impact of healthcare on climate change: systematic review', *BMJ*, vol. 387, e081284, pp. 1-17. https://doi.org/10.1136/bmj-2024-081284

48. Burns, K, Ellis, LA, Neto, ADA & Amin, J 2024, 'Workforce psychological distress and absenteeism in Australia: the correlates of industry, age, and gender', *Asia-Pacific Journal of Public Health*. https://doi.org/10.1177/10105395241306477

49. Buss, VH, Barr, M, Parker, SM, Kabir, A, Lau, AYS, Liaw, ST, Stocks, N & Harris, MF 2024, 'Mobile app intervention of a randomized controlled trial for patients with obesity and those who are overweight in General Practice: user engagement analysis quantitative study', *JMIR mHealth and uHealth*, vol. 12, e45942, pp. 1-12. https://doi.org/10.2196/45942

50. Carrigan, A, Holmes-Walker, DJ, Farrell, K, Maguire, AM, Lyng, HB, Wiig, S, Guise, V, Long, JC, Ellis, LA, Wijekulasuriya, S, Dharmayani, PNA, Singh, N, Simone, Z, Davis, E, Jones, TW, Braithwaite, J & Zurynski, Y 2025, 'Contributions of digital technologies for resilience capacity in a type 1 diabetes transition clinic: a qualitative study', *Applied Ergonomics*, vol. 122, 104392. https://doi.org/10.1016/j.apergo.2024.104392

51. Carrigan, A, Meulenbroeks, I, Sarkies, M, Dammery, G, Halim, N, Singh, N, Lake, R, Davis, E, Jones, T, Braithwaite, J & Zurynski, Y 2024, 'Benefits, implementation and sustainability of innovative paediatric models of care for children with type 1 diabetes: a systematic review', *BMC Pediatrics*, vol. 24, no. 1, 502, pp. 1-15. https://doi.org/10.1186/s12887-024-04945-2

52. Carter, SM, Aquino, YSJ, Carolan, L, Frost, E, Degeling, C, Rogers, WA, Scott, IA, Bell, KJL, Fabrianesi, B & Magrabi, F 2024, 'How should artificial intelligence be used in Australian health care? Recommendations from a citizens' jury', *Medical Journal of Australia*, vol. 220, no. 8, pp. 409-416. https://doi.org/10.5694/mja2.52283

53. Chan, S, Khandaker, T, Li, Y, Jackson, T, Rahimi-Ardabili, H & Lau, AYS 2024, 'Translating primary care to telehealth: analysis of in-person paediatric consultations and role of the carers', *BJGP Open*. https://doi.org/10.3399/BJGPO.2024.0030

54. Chauhan, A, Chitkara, U, Walsan, R, Sansom-Daly, UM, Manias, E, Seah, D, Dalli, A, El-Kabbout, N, Tieu, T, Sarwar, M, Faiz, M, Huang, N, Rocha, VM, Pal, A & Harrison, R 2024, 'Co-designing strategies to improve advance care planning among people from culturally and linguistically diverse backgrounds with cancer: iCanCarePlan study protocol', *BMC Palliative Care*, vol. 23, no. 1, 123, pp. 1-11. https://doi.org/10.1186/s12904-024-01453-z

55. Chauhan, A, Newman, B, Manias, E, Joseph, K, Leone, D, Walpola, RL, Seale, H, Smith, AB & Harrison, R 2024, 'Creating safer cancer care with ethnic minority patients: a qualitative analysis of the experiences of cancer service staff', *Health Expectations*, vol. 27, no. 1, e13979, pp. 1-11. https://doi.org/10.1111/hex.13979

56. Cheek, C, Austin, E, Richardson, L, Testa, L, Ransolin, N, Francis-Auton, E, Safi, M, Murphy, M, De Los Santos, A, Vukasovic, M & Clay-Williams, R 2024, 'Non-participant observations in experience-based codesign: an example using a Case Study Research approach to explore Emergency Department care', *International Journal of Qualitative Methods*, vol. 23, pp. 1-13. https://doi.org/10.1177/16094069241289278

57. Chen, Q, Hoyle, M, Jeet, V, Gu, Y, Sinha, K & Parkinson, B 2025, 'Unravelling the association between uncertainties in model-based economic analysis and funding recommendations of medicines in Australia', *PharmacoEconomics*, vol. 43, no. 3, pp. 283–296. https://doi.org/10.1007/s40273-024-01446-z

58. Chetwood, JD, Tran, Y, Subramanian, S, Smith, PJ, Iborra, M, Buisson, A, Paramsothy, S & Leong, RW 2024, 'Intravenous versus subcutaneous infliximab in inflammatory bowel disease: a systematic review and meta-analysis', *Journal of Crohn's and Colitis*, vol. 18, no. 9, pp. 1440-1449. https://doi.org/10.1093/ecco-jcc/jjae059

59. Chilvers, A, Quan, Y, Olsen, KN & Thompson, WF 2024, 'The effects of cultural source sensitivity on music appreciation', *Psychology of Music*, vol. 52, no. 3, pp. 284-304. https://doi.org/10.1177/03057356231201846

60. Churruca, K, Graham, J, Ellis, LA, Westbrook, J, Wabe, N, Hibbert, PD, Ludlow, K, Urwin, R, Meulenbroeks, I, Thanigasalam, J, Svaleng, I, Sardellis, J-A & Braithwaite, J 2024, 'Building a culture of safety in Australian residential aged care facilities: protocol for a longitudinal mixed methods research programme', *BMJ Open*, vol. 14, no. 9, e089293, pp. 1-9. https://doi.org/10.1136/bmjopen-2024-089293

61. Clarke, P & Cutler, H 2024, 'A Proposal to extend universal insurance to dental care in Australia', *The Australian Economic Review*, vol. 57, no. 2, pp. 168-173. https://doi.org/10.1111/1467-8462.12556

62. Clay-Williams, R, Hibbert, P, Loy, G & Braithwaite, J 2024, 'Innovative models of care for hospitals of the future', *International Journal of Health Policy and Management*,

vol. 13, no. 1, 7861, pp. 1-4. https://doi.org/10.34172/ijhpm.2024.7861

63. Coiera, E & Fraile Navarro, D 2024, 'AI as an ecosystem: ensuring generative AI Is safe and effective', *NEJM AI*, vol. 1, no. 9, pp. 1-4. https://doi.org/10.1056/AIp2400611

64. Cong, C, Liu, S, Rana, P, Pagnucco, M, Di Ieva, A, Berkovsky, S & Song, Y 2024, 'Adaptive unified contrastive learning with graph-based feature aggregator for imbalanced medical image classification', *Expert Systems with Applications*, vol. 251, 123783, pp. 1-13. https://doi.org/10.1016/j.eswa.2024.123783

65. Cooper, A, Edwards, M, Davies, F, Price, D, Anderson, P, Carson-Stevens, A, Cooke, M, Dale, J, Donaldson, L, Evans, BA, Harrington, B, Hepburn, J, Hibbert, P, Hughes, TC, Porter, A, Siriwardena, AN, Watkins, A, Snooks, H & Edwards, A 2024, 'Programme theories to describe how different general practitioner service models work in different contexts in or alongside emergency departments (GP-ED): realist evaluation', *Emergency Medicine Journal*, vol. 41, no. 5, pp. 287-295. https://doi.org/10.1136/emermed-2023-213426

66. Crespo-Gonzalez, C, Hodgins, M, Zurynski, Y, Morris, TM, Le, J, Wheeler, K, Khano, S, Germano, S, Hiscock, H & Lingam, R 2024, 'Advancing integrated paediatric care in Australian general practices: qualitative insights from the SC4C GP-paediatrician model of care', *PLoS ONE*, vol. 19, no. 5, e0302815, pp. 1-19. https://doi.org/10.1371/journal.pone.0302815

67. Cresswell, K, de Keizer, N, Magrabi, F, Williams, R, Rigby, M, Prgomet, M, Kukhareva, P, Wong, ZSY, Scott, P, Craven, CK, Georgiou, A, Medlock, S, McNair, JB & Ammenwerth, E 2024, 'Evaluating artificial intelligence in clinical settings: let us not reinvent the wheel', *Journal of Medical Internet Research*, vol. 26, e46407, pp. 1-9. https://doi.org/10.2196/46407

68. Cutler, H, Bilgrami, A, Gu, M, Gu, Y & Aghdaee, M 2024, 'The role of financial literacy when informal caregivers make complex financial decisions', *Applied Economics*. https://doi.org/10.1080/00036846.2024.2312959

69. Dadi, AF, Ahmed, KY, Berhane, Y, Bizuayehu, HM, Tesema, GA, Hassen, TA, Kibret, GD, Ketema, DB, Bore, MG, Belachew, SA, Amsalu, E, Nhassengo, S, Shifti, DM, Seid, A, Mesfin, YM, Tegegne, TK, Odo, DB, Kassa, ZY, Thapa, S, Kidane, EG, Desyibelew, HD, Misganaw, A, Zeleke, BM, Bolarinwa, OA & Ross, AG 2024, 'Intimate partner violence and childhood health outcomes in 37 sub-Saharan African countries: an analysis of demographic health survey data from 2011 to 2022', *The Lancet Global Health*, vol. 12, no. 11, pp. e1785-e1793. https://doi.org/10.1016/S2214-109X(24)00313-9

70. Dai, Z, Sezgin, G, Li, J, S. Franco, G, McGuire, P, Datta, S, Pearce, C, McLeod, A & Georgiou, A 2024, 'Telehealth utilisation in residential aged care facilities during the COVID-19 pandemic: a retrospective cohort study in Australian general practice', *Journal of Telemedicine and Telecare*, vol. 30, no. 5, pp. 834-841. https://doi.org/10.1177/1357633X221094406

71. Davies, F, Edwards, M, Price, D, Anderson, P, Carson-Stevens, A, Choudhry, M, Cooke, MW, Dale, J, Donaldson, L, Evans, BA, Harrington, B, Harris, S, Hepburn, J, Hibbert, P, Hughes, T, Hussain, F, Islam, S, Pockett, R, Porter, A, Siriwardena, AN, Snooks, H, Watkins, A, Edwards, A & Cooper, A 2024, 'Evaluation of different models of general practitioners working in or alongside emergency departments: a mixed-methods realist evaluation', *Health and Social Care Delivery Research*, vol. 12, no. 10, pp. 1-152. https://doi.org/10.3310/JWQZ5348

72. Depczynski, B, Kamalakkannan, A, Siklosi, B & Lau, SM 2024, 'Association between continued metformin use during hospital admission and hospital-acquired complications', *Diabetic Medicine*, vol. 41, no. 10, e15353, pp. 1-11. https://doi.org/10.1111/dme.15353

73. Doherty, A, Urwin, R, McMullan, RD, Tou, YY, Westbrook, JI & Churruca, K 2024, 'The hidden curriculum in which medical students learn to understand and manage unprofessional behaviour: a qualitative interview study', *Medical Science Educator*. https://doi.org/10.1007/s40670-024-02208-4

74. Easpaig, BNG, Newman, B, Johnson, J, Sansom-Daly, UM, Jones, L, Hofstätter, L, Robertson, EG & Harrison, R 2024, 'Adapting a preparatory skills-building programme for carers of people with cancer through co-design: the iCanSupport project', *Health Expectations*, vol. 27, no. 5, e70061, pp. 1-13. https://doi.org/10.1111/hex.70061

75. Ellis, LA, Dammery, G, Gillespie, J, Ansell, J, Wells, L, Smith, CL, Wijekulasuriya, S, Braithwaite, J & Zurynski, Y 2024, 'Public perceptions of the Australian health system during COVID-19: findings from a 2021 survey compared to four previous surveys', *Health Expectations*, vol. 27, no. 4, e14140, pp. 1-10. https://doi.org/10.1111/hex.14140

76. Ellis, LA, Fisher, G, Churruca, K, Saba, M, Schroeder, T, Mahadeva, J, Vagholkar, S, Lee, MY, Harrison, R, Willcock, S & Braithwaite, J 2024, 'Using learning health system principles to embed patient experience data in primary care: a qualitative investigation', *The International Journal of Health Planning and Management*. https://doi.org/10.1002/hpm.3880

77. Fagerdal, B, Lyng, HB, Guise, V, Anderson, JE, Braithwaite, J & Wiig, S 2024, 'Exploring the influence of health system factors on adaptive capacity in diverse hospital teams in Norway: a multiple case study approach', *BMJ Open*, vol. 14, no. 5, e076945, pp. 1-10. https://doi.org/10.1136/bmjopen-2023-076945

78. Fallon, L, Lau, AYS, Ciccia, D, Duckworth, TJ, Pereira, C, Kopp, E, Perica, V & Sherman, KA 2024, 'Perceived challenges in treatment decision-making for endometriosis: healthcare professional perspectives', *Health Psychology and Behavioral Medicine*, vol. 12, no. 1, 2383469, pp. 1-20. https://doi.org/10.1080/21642850.2024.2383469

79. Feng, Z, Xiong, H, Min, W, Hou, S, Duan, H, Liu, Z & Jiang, S 2024, 'Ingredient-guided RGB-D fusion network for nutritional assessment', *IEEE Transactions on AgriFood Electronics*. https://doi.org/10.1109/TAFE.2024.3493332

80. Ferris, LJ, Ludlow, K, Walker, N, Georgiou, A, Henry, JD, Lopez Silva, C, Ha, DH, Stormon, N, Walsh, LJ, Ivanovski, S, Sexton, C, Silveira Schuch, H, Tuffaha, H, Zamora, A, Pritchard, L & Do, LG 2024, 'Modified Oral Health Assessment Tool (M-OHAT) for residential aged care: a co-design protocol', *Healthcare (Switzerland)*, vol. 12, no. 19, 1953, pp. 1-10. https://doi.org/10.3390/healthcare12191953

81. Fisher, G, Quel de Oliveira, C, Stubbs, P, Power, E, Checketts, M, Porter-Armstrong, A & Kennedy, DS 2024, 'Spatial neglect: an exploration of clinical assessment behaviour in stroke rehabilitation', *Clinical Rehabilitation*, vol. 38, no. 5, pp. 688-699. https://doi.org/10.1177/02692155241230270

82. Fisher, G, Saba, M, Dammery, G, Ellis, LA, Churruca, K, Mahadeva, J, Foo, D, Wilcock, S & Braithwaite, J 2024, 'Barriers and facilitators to learning health systems in primary care: a framework analysis', *BMJ Health and Care Informatics*, vol. 31, no. 1, e100946, pp. 1-8. https://doi.org/10.1136/bmjhci-2023-100946

83. Fitzpatrick, SJ, Lamb, H, Oldman, E, Giugni, M, Chakouch, C, Morse, AR, Gulliver, A, Stewart, E, Stride Safe Space and Safe Haven Team, Oni, HT, Miller, B, Edwards, B, Stewart, K, Bliokas, V, Ellis, LA, Shand, F, Calear, AL & Banfield, M 2024, 'Co-creation in research: further reflections from the 'Co-Creating Safe Spaces' project', *Health Expectations*, vol. 27, no. 6, e70103, pp. 1-9. https://doi.org/10.1111/hex.70103

84. Foo, D, Spanos, S, Dammery, G, Ellis, LA, Willcock, S & Braithwaite, J 2024, 'Direct-to-consumer telemedicine in primary care settings: a scoping review of contemporary empirical literature', *Australian Journal of General Practice*, vol. 53, no. 11 Supplement, pp. S107-S114. https://doi.org/10.31128/AJGP-12-23-7070

85. Forrester, B, Fisher, G, Ellis, LA, Giddy, A, Smith, CL, Zurynski, Y, Sanci, L, Graham, K, White, N & Braithwaite, J 2024, 'Moving from crisis response to a learning health system: experiences from an Australian regional primary care network', *Learning Health Systems*. https://doi.org/10.1002/lrh2.10458

86. Francis-Auton, E, Cheek, C, Austin, E, Ransolin, N, Richardson, L, Safi, M, Hayba, N, Testa, L, Harrison, R, Braithwaite, J & Clay-Williams, R 2024, 'Exploring and understanding the 'experience' in experience-based codesign: a state-of-the-art review', *International Journal of Qualitative Methods*, vol. 23, pp. 1-30. https://doi.org/10.1177/16094069241235563

87. Francis-Auton, E, Long, JC, Sarkies, M, Roberts, N, Westbrook, J, Levesque, JF, Watson, DE, Hardwick, R, Hibbert, P, Pomare, C & Braithwaite, J 2024, 'Four system enablers of large-system transformation in health care: a mixed methods realist evaluation', *Milbank Quarterly*, vol. 102, no. 1, pp. 183-211. https://doi.org/10.1111/1468-0009.12684

88. Fry, J, Bone, A, Kanemoto, K, Smith, CL & Watts, N 2024, 'Environmental footprinting in health care: a primer', *Medical Journal of Australia*, vol. 221, no. 9, pp. 464-467. https://doi.org/10.5694/mja2.52481

89. Gandy, M, Coleman, H, Cutler, H, Jones, MP, Karin, E, Kwan, P, Nikpour, A, Parratt, K, Rayner , G, Titov, N, Todd, L, Seil, E, Winton-Brown, T, Wu, W & Dear, B 2024, 'Comparative effectiveness of digital mental healthcare models for adults with epilepsy: a study protocol of a randomized controlled trial', *Epilepsia Open*, vol. 9, no. 2, pp. 808-818. https://doi.org/10.1002/epi4.12913

90. Peprah, P, collaborator, GBD 2021 Antimicrobial Resistance Collaborators 2024, 'Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050', *The Lancet*, vol. 404, no. 10459, pp. 1199-1226. https://doi.org/10.1016/S0140-6736(24)01867-1

91. Gupta, VK, Peprah, P, collaborators, GBD 2021 Diarrhoeal Diseases Collaborators, 'Global, regional, and national age-sex-specific burden of diarrhoeal diseases, their risk factors, and aetiologies, 1990–2021, for 204 countries and territories: a systematic analysis for the Global Burden of Disease Study 2021', *The Lancet Infectious Diseases*. https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(24)00691-1/fulltext

92. Peprah, P, collaborator, GBD 2021 HIV Collaborators, 'Global, regional, and national burden of HIV/AIDS, 1990–2021, and forecasts to 2050, for 204 countries and territories: the Global Burden of Disease Study 2021', *The Lancet HIV*, vol. 11, no. 12, pp. e807-e822. https://doi.org/10.1016/S2352-3018(24)00212-1

93. Peprah, P, collaborator, GBD 2021 Stroke Risk Factor Collaborators 2024, 'Global, regional, and national burden of stroke and its risk factors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021', *The Lancet Neurology*, vol. 23, no. 10, pp. 973-1003. https://doi.org/10.1016/S1474-4422(24)00369-7

94. Peprah, P, collaborator, GBD 2021 Tobacco Forecasting Collaborators 2024, 'Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021', *The Lancet Public Health*, vol. 9, no. 10, pp. e729-e744. https://doi.org/10.1016/S2468-2667(24)00166-X

95. Gupta, VK, Peprah, P, collaborators, GBD 2021 Upper Respiratory Infections Otitis Media Collaborators 2025, 'Global, regional, and national burden of upper respiratory infections and otitis media, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021', *The Lancet Infectious Diseases*, vol. 25, no. 1, pp. 36-51. https://doi.org/10.1016/S1473-3099(24)00430-4

96. Gupta, VK, Yadav, L, collaborators, GBD 2021 Diseases and Injuries Collaborators 2024, '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*, vol. 403, no. 10440, pp. 2133-2161. https://doi.org/10.1016/S0140-6736(24)00757-8

97. Gupta, VK, Peprah, P, collaborators, Global Stillbirth Collaborators 2024, 'Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries

and territories, 1990–2021: findings from the Global Burden of Disease Study 2021', *The Lancet*, vol. 404, no. 10466, pp. 1955-1988. https://doi.org/10.1016/S0140-6736(24)01925-1

98. Giugni, M, Morse, AR, Fitzpatrick, SJ, Lamb, H, Gulliver, A, Calear, AL, Bliokas, V, Shand, F, Chakouch, C, Edwards, B, Ellis, LA, Goj, P, Lee, M, Main, M, Miller, B, Webb, G, Sargent, G, Skeat, H, Stewart, K, Wells, K, McKay, C, Stride Safe Space Team, Stewart, E & Banfield, M 2025, 'Reinventing the evaluation wheel: COGwheel's co-designed digital innovation using the Qualtrics heat map', *MethodsX*, vol. 14, 103147, pp. 1-7. https://doi.org/10.1016/j.mex.2024.103147
99. Global Stillbirth Collaborators 2024, 'Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries and territories, 1990–2021: findings from the Global Burden of Disease Study 2021', *The Lancet*, vol. 404, no. 10466, pp. 1955-1988. https://doi.org/10.1016/S0140-6736(24)01925-1
100. Gofton, C, Di Bartolomeo, A, Boutros, R, Zurynski, YA, Stafford-Bell, F, Caldwell, K, McCaughan, G, Zekry, A, Strasser, SI, Levy, M, Sheehan, C, Goodall, S, Davis, JM, Sheahan, L, Liu, K, Greenaway, S, Davison, S, Du Huynh, T, Quadri, Z, Agar, M & George, J 2024, 'Implementing palliative care in hepatocellular carcinoma ambulatory clinics: study protocol for Accelerated translational research in PRImary liver CAncer (APRICA) randomised controlled palliative care trial', *Trials*, vol. 25, no. 1, 743, pp. 1-10. https://doi.org/10.1186/s13063-024-08603-x
101. Goirand, M, Austin, E & Clay-Williams, R 2024, 'Bringing clarity and transparency to the consultative process underpinning the implementation of an ethics framework for AI-based healthcare applications: a qualitative study', *AI and Ethics*. https://doi.org/10.1007/s43681-024-00466-x
102. Gordon, EH, Ward, DD, Xiong, H, Berkovsky, S & Hubbard, RE 2024, 'Delirium and incident dementia in hospital patients in New South Wales, Australia: retrospective cohort study', *BMJ*, vol. 384, e077634, pp. 1-10. https://doi.org/10.1136/bmj-2023-077634
103. Gow, J, Moscovici, D, Rana, R, Rinaldi, A, Ugaglia, AA, Valenzuela, L, Mihailescu, R & Haque, R 2024, 'Determinants of purchasing sustainably produced wines by Italian wine consumers', *Sustainability*, vol. 16, no. 19, 8283, pp. 1-13. https://doi.org/10.3390/su16198283
104. Groot, AD, Brown, B, Lindsay, D, Gall, A, Hewlett, N, Hickman, A & Garvey, G 2024, '"How your spirit is travelling": understanding First Nations peoples' experiences of living well with and after cancer', *International Journal of Environmental Research and Public Health*, vol. 21, no. 6, 798, pp. 1-17. https://doi.org/10.3390/ijerph21060798
105. Gu, M, Cutler, H, Aghdaee, M, Gu, Y & Bilgrami, A 2024, 'The role of refundable accommodation deposits in financing aged care capital expenditure: views from the sector', *Australian Journal of Management*. https://doi.org/10.1177/03128962241230665
106. Gunawan, R, Tran, Y, Zheng, J, Nguyen, H, Carrigan, A, Mills, MK & Chai, R 2024, 'Combining multistaged filters and modified segmentation network for improving lung nodules classification', *IEEE Journal of Biomedical and Health Informatics*, vol. 28, no. 9, pp. 5519-5527. https://doi.org/10.1109/JBHI.2024.3405907
107. Gyawali, R, Gamboa, S, Rolfe, K, Westbrook, JI & Raban, MZ 2024, 'Consumer perspectives on antibiotic use in residential aged care: a mixed-methods systematic review', *American Journal of Infection Control*, vol. 52, no. 12, pp. 1452-1459. https://doi.org/10.1016/j.ajic.2024.07.008
108. Gyawali, R, Toomey, M, Stapleton, F, Ho, KC, Keay, L, Pye, DC, Katalinic, P, Liew, G, Hsing, YI, Ramke, J, Gentle, A, Webber, AL, Schmid, KL, Bentley, S, Hibbert, P, Wiles, L & Jalbert, I 2024, 'Clinical indicators for diabetic eyecare delivered by optometrists in Australia: a Delphi study', *Clinical and Experimental Optometry*, vol. 107, no. 5, 2253792, pp. 571-580. https://doi.org/10.1080/08164622.2023.2253792
109. Hald, K, Ording, AG, Jorsal, M, Midtgaard, J, Ellis, LA, Spanos, S, Pagano, L, Fisher, G, Braithwaite, J & Johnsen, SP 2024, 'Updating the critical steps of the quality implementation framework: a protocol for an umbrella review of reviews', *BMJ Open*, vol. 14, no. 11, e087628, pp. 1-5. https://doi.org/10.1136/bmjopen-2024-087628
110. Halim, NK, Comi, R & Mitchell, RJ 2024, 'An integrative review of facilitators and barriers to resilience among informal unpaid caregivers', *International Journal of Care and Caring*, vol. 8, no. 1, pp. 130–177. https://doi.org/10.1332/239788221X16825359407198
111. Han, J, Slade, A, Fujimoto, H, Zheng, WY, Shvetcov, A, Hoon, L, Kupper, JF, Senadeera, M, Gupta, S, Venkatesh, S, Mouzakis, K, Gu, Y, Bilgrami, A, Saba, N, Cutler, H, Batterham, P, Boydell, K, Shand, F, Whitton, A & Christensen, H 2024, 'A web-based video messaging intervention for suicide prevention in men: study protocol for a five-armed randomised controlled trial', *Trials*, vol. 25, 466, pp. 1-12. https://doi.org/10.1186/s13063-024-08308-1
112. Harris, K, Gong, J, MacMahon, S, Xu, Y, Shajahan, S, Harrap, S, Poulter, N, Marre, M, Hamet, P, Mancia, G, Anderson, C, Woodward, M & Chalmers, J 2025, 'Effect of randomised blood pressure lowering treatment and intensive glucose control on dementia and cognitive decline according to baseline cognitive function and other subpopulations of individuals with type 2 diabetes: results from the ADVANCE trial', *Cerebral Circulation - Cognition and Behavior*, vol. 8, 100372, pp. 1-9. https://doi.org/10.1016/j.cccb.2024.100372
113. Harrison, R, Adams, C, Newman, B, Mimmo, L, Mitchell, R, Manias, E, Alston, M & Hadley, A-M 2024, 'Measuring healthcare experiences among people with intellectual disability: a rapid evidence synthesis of tools and methods', *Value in Health*, vol. 27, no. 11, pp. 1605-1619. https://doi.org/10.1016/j.jval.2024.05.018
114. Harrison, R, Ellis, LA, Sina, M, Walsan, R, Mitchell, R, Walpola, R, Maberly, G, Chan, C & Hay, L 2024, 'Measuring clinician experience in value-based healthcare initiatives: a 10-item core clinician experience measure', *Australian Health Review*, vol. 48, no. 2, pp. 160-166. https://doi.org/10.1071/AH24003

115. Harrison, R, Iqbal, MP, Chitkara, U, Adams, C, Chauhan, A, Mitchell, R, Manias, E, Alston, M & Hadley, AM 2024, 'Approaches for enhancing patient-reported experience measurement with ethnically diverse communities: a rapid evidence synthesis', *International Journal for Equity in Health*, vol. 23, no. 1, 26, pp. 1-74. https://doi.org/10.1186/s12939-024-02107-5

116. Harrison, R, Newman, B, Chauhan, A & Sarwar, M 2024, 'Employing co-facilitation to balance power and priorities during health service co-design', *Health Expectations*, vol. 27, no. 1, e13875, pp. 1-4. https://doi.org/10.1111/hex.13875

117. Harvey, L, Taylor, ME, Harris, IA, Mitchell, RJ, Cameron, ID, Sarrami, P & Close, J 2024, 'Adherence to clinical care standards and mortality after hip fracture surgery in New South Wales, 2015–2018: a retrospective population-based study', *Medical Journal of Australia*, vol. 221, no. 9, pp. 480-485. https://doi.org/10.5694/mja2.52470

118. Héroux, ME, Fisher, G, Axelson, LH, Butler, AA & Gandevia, SC 2024, 'How we perceive the width of grasped objects: insights into the central processes that govern proprioceptive judgements', *Journal of Physiology*, vol. 602, no. 12, pp. 2899-2916. https://doi.org/10.1113/JP286322

119. Hibbert, PD, Molloy, CJ, Cameron, ID, Gray, LC, Reed, RL, Wiles, LK, Westbrook, J, Arnolda, G, Bilton, R, Ash, R, Georgiou, A, Kitson, A, Hughes, CF, Gordon, SJ, Mitchell, RJ, Rapport, F, Estabrooks, C, Alexander, GL, Vincent, C, Edwards, A, Carson-Stevens, A, Wagner, C, McCormack, B & Braithwaite, J 2024, 'The quality of care delivered to residents in long-term care in Australia: an indicator-based review of resident records (CareTrack Aged study)', *BMC Medicine*, vol. 22, no. 1, 22, pp. 1-15. https://doi.org/10.1186/s12916-023-03224-8

120. Hibbert, PD, Raggett, L, Molloy, CJ, Westbrook, J, Magrabi, F, Mumford, V, Clay-Williams, R, Lingam, R, Salmon, PM, Middleton, S, Roberts, M, Bradd, P, Bowden, S, Ryan, K, Zacka, M, Sketcher-Baker, K, Phillips, A, Birks, L, Arya, DK, Trevorrow, C, Handa, S, Swaminathan, G, Carson-Stevens, A, Wiig, S, De Wet, C, Austin, EE, Nic Giolla Easpaig, B, Wang, Y, Arnolda, G, Peterson, GM & Braithwaite, J 2024, 'Improving health system responses when patients are harmed: a protocol for a multistage mixed-methods study', *BMJ Open*, vol. 14, no. 7, e085854, pp. 1-9. https://doi.org/10.1136/bmjopen-2024-085854

121. Hor, S, Wyer, M, Barratt, R, Turnbull, M, Rogers, K, Murphy, M, Urwin, R, Jorm, C & Gilbert, GL 2024, 'Risk assessment and the use of personal protective equipment in an emergency department: differing perspectives of emergency and infection control clinicians. A video-vignette survey', *American Journal of Infection Control*, vol. 52, no. 10, pp. 1114-1121. https://doi.org/10.1016/j.ajic.2024.06.012

122. Hu, Y, Wang, J, Gu, Y, Nicholas, S, Maitland, E & Zhou, J 2024, 'Online medical consultation in China: Demand-side analysis of obese patients' preferences and willingness-to-pay for online obesity consultations', *Digital Health*, vol. 10, pp. 1-19. https://doi.org/10.1177/20552076241272525

123. Hu, Y, Wang, J, Zhou, J, Gu, Y, Nicholas, S & Maitland, E 2024, 'Preferences of individuals with obesity for online medical consultation in different demand scenarios: discrete choice experiments', *Journal of Medical Internet Research*, vol. 26, no. 1, e53140, pp. 1-15. https://doi.org/10.2196/53140

124. Huang, G, Guo, F, Liu, L, Taksa, L, Cheng, Z, Tani, M, Zimmermann, KF, Franklin, M & Silva, SSM 2024, 'Changing impact of COVID-19 on life expectancy 2019–2023 and its decomposition: findings from 27 countries', *SSM - Population Health*, vol. 25, 101568, pp. 1-10. https://doi.org/10.1016/j.ssmph.2023.101568

125. Huang, G, Guo, F, Taksa, L, Cheng, Z, Tani, M, Liu, L, Zimmermann, KF & Franklin, M 2024, 'Decomposing the differences in healthy life expectancy between migrants and natives: the 'healthy migrant effect' and its age variations in Australia', *Journal of Population Research*, vol. 41, no. 1, 3, pp. 1-28. https://doi.org/10.1007/s12546-023-09325-8

126. Huang, G, Pan, Y & Luo, Y 2024, 'Total life expectancy and disability-free life expectancy and differences attributable to cigarettes' smoking among Chinese middle-aged and older adults', *BMC Geriatrics*, vol. 24, no. 1, 663, pp. 1-10. https://doi.org/10.1186/s12877-024-05007-z

127. Huang, G, Wabe, N, Raban, MZ, Nguyen, AD, Silva, SSM, Xu, Y, Ratcliffe, J, Khadka, J & Westbrook, JI 2024, 'Quality of life and quality of care experience in Australian residential aged care: a retrospective cohort study of 1,772 residents', *BMC Geriatrics*, vol. 24, no. 1, 1006, pp. 1-13. https://doi.org/10.1186/s12877-024-05472-6

128. Huang, G, Wabe, N, Raban, MZ, Silva, SSM, Seaman, K, Nguyen, AD, Meulenbroeks, I & Westbrook, JI 2024, 'The relationship between participation in leisure activities and incidence of falls in residential aged care', *PLoS ONE*, vol. 19, no. 4, e0302678, pp. 1-14. https://doi.org/10.1371/journal.pone.0302678

129. Huang-Lung, J, Rai, A, Duong, A, Balakrishnan, A, Khan, A, Husudo, J, Gyawali, R, Nazarian, J, Ford, B, Rhee, J, Jalbert, I & Keay, L 2025, '"Whatever the GP says, is what I'll do': a qualitative study of patient perspectives in accessing primary eye care for type 2 diabetes', *Ophthalmic and Physiological Optics*, vol. 45, no. 1, pp. 67-76. https://doi.org/10.1111/opo.13398

130. Hudani, A, Long, J, Labonté, R & Yaya, S 2024, 'Where are the links? Using a causal loop diagram to assess interactions in healthcare coordination for youth experiencing homelessness in Toronto, Canada', *Health Research Policy and Systems*, vol. 22, no. 1, 19, pp. 1-10. https://doi.org/10.1186/s12961-024-01104-y

131. Huynh, B, Kibret, G, Wechsler, D, Lee, A, Lim, R, Clement, C & Lawlor, M 2024, 'Outcomes of iStent inject combined with cataract surgery in Asian eyes: Australian data from the Fight Glaucoma Blindness international registry', *International Ophthalmology*, vol. 44, no. 1, 200, pp. 1-9. https://doi.org/10.1007/s10792-024-03104-x

132. Jackson, TM, Ward, K, Saad, S, White, SJ, Poudel, S, Raffan, F, Amanatidis, S, Bartyn, J, Hutchings, O, Coiera, E, Chan, K & Lau, AYS 2024, 'Virtual hospitals and patient experience: protocol for a mixed methods observational study', *JMIR Research Protocols*, vol. 13, e58683, pp. 1-9. https://doi.org/10.2196/58683

133. Jiang, Y, Li, M, Jiang, S, Si, L & Gu, Y 2024, 'Patient welfare implications of indication-specific value-based pricing of multi-indication drugs', *Value in Health*, vol. 27, no. 3, pp. 273-277. https://doi.org/10.1016/j.jval.2023.11.008

134. Johnson, J, Pointon, L, Talbot, R, Coleman, R, Budworth, L, Simms-Ellis, R, Vogt, K, Tsimpida, D, Biyani, CS, Harrison, R, Cheung, G, Melville, C, Jayagopal, V & Lea, W 2024, 'Reboot coaching programme: a mixed-methods evaluation assessing resilience, confidence, burnout and depression in medical students', *Scottish Medical Journal*, vol. 69, no. 1, pp. 10-17. https://doi.org/10.1177/00369330231213981

135. Jones, AR, Currie, D, Peng, C, Ebeling, PR, Center, JR, Duque, G, Lybrand, S, Lyubomirsky, G, Mitchell, RJ, Pearson, S, Seibel, MJ & Occhipinti, J-A 2024, 'Expanding access to fracture liaison services in Australia for people with minimal trauma fractures: a system dynamics modelling study', *Medical Journal of Australia*, vol. 220, no. 5, pp. 243-248. https://doi.org/10.5694/mja2.52241

136. Kamalakkannan, A 2024, 'Bayesian methods and polynomial chaos: application to finding cardiac bidomain parameters', *Bulletin of the Australian Mathematical Society*, vol. 110, no. 1, pp. 167-169. https://doi.org/10.1017/S0004972724000315

137. Kamalakkannan, A, Prgomet, M, Thomas, J, Pearce, C, McGuire, P, Mackintosh, F & Georgiou, A 2024, 'Factors associated with general practitioner-led diagnosis of long COVID: an observational study using electronic general practice data from Victoria and New South Wales, Australia', *Medical Journal of Australia*, vol. 221, no. S9, pp. S18-S22. https://doi.org/10.5694/mja2.52458

138. Kelly, LM, Wong, D & Timothy, A 2024, 'Measuring what counts in Aboriginal and Torres Strait Islander care: a review of general practice datasets available for assessing chronic disease care', *Australian Journal of Primary Health*, vol. 30, no. 4, PY24017, pp. 1-8. https://doi.org/10.1071/PY24017

139. Ketema, DB, Dadi, AF, Hassen, TA, Kibret, GD, Kassa, ZY, Amsalu, E, Alemu, AA, Shifa, JE, Alebel, A, Leshargie, CT, Bore, MG, Bizuayehu, HM & Ahmed, KY 2024, 'Individual- and community-level predictors of healthcare-seeking behaviour for acute respiratory tract infections among children under five in 29 low-and middle-income countries: a multilevel analysis', *Public Health*, vol. 237, pp. 71-76. https://doi.org/10.1016/j.puhe.2024.08.028

140. Khalifa, M & Albadawy, M 2024, 'AI in diagnostic imaging: revolutionising accuracy and efficiency', *Computer Methods and Programs in Biomedicine Update*, vol. 5, 100146, pp. 1-12. https://doi.org/10.1016/j.cmpbup.2024.100146

141. Khalifa, M & Albadawy, M 2024, 'Artificial Intelligence for clinical prediction: exploring key domains and essential functions', *Computer Methods and Programs in Biomedicine Update*, vol. 5, 100148, pp. 1-11. https://doi.org/10.1016/j.cmpbup.2024.100148

142. Khalifa, M & Albadawy, M 2024, 'Artificial intelligence for diabetes: enhancing prevention, diagnosis, and effective management', *Computer Methods and Programs in Biomedicine Update*, vol. 5, 100141, pp. 1-14. https://doi.org/10.1016/j.cmpbup.2024.100141

143. Khalifa, M & Albadawy, M 2024, 'Using artificial intelligence in academic writing and research: an essential productivity tool', *Computer Methods and Programs in Biomedicine Update*, vol. 5, 100145, pp. 1-11. https://doi.org/10.1016/j.cmpbup.2024.100145

144. Khalifa, M, Albadawy, M & Iqbal, U 2024, 'Advancing clinical decision support: the role of artificial intelligence across six domains', *Computer Methods and Programs in Biomedicine Update*, vol. 5, 100142, pp. 1-7. https://doi.org/10.1016/j.cmpbup.2024.100142

145. Kibret, GD, Bizuayehu, HM, Dadi, AF, Amsalu, E, Alemu, AA, Hassen, TA, Leshargie, CT, Bore, MG, Kassa, ZY, Ketema, DB, Shifa, JE, Alebel, A & Ahmed, KY 2024, 'Spatiotemporal patterns and factors contributing to neonatal mortality in Ethiopia: Data from EDHS 2000 to 2019', *PLoS ONE*, vol. 19, no. 11, e0310276, pp. 1-14. https://doi.org/10.1371/journal.pone.0310276

146. Kibret, GD, Kamalakkannan, A, Thomas, J, Sezgin, G, Hardie, R-A, Pont, L, McGuire, P, Pearce, C & Georgiou, A 2024, 'Patient demographics and psychotropic medication prescribing in Australian general practices: pre- and during COVID-19 pandemic', *Journal of Primary Health Care*, vol. 16, no. 4, pp. 325-331. https://doi.org/10.1071/HC23168

147. King, V, Liu, S, Russo, C, Jayasekara, M, Stoodley, M & Di Ieva, A 2024, 'Use of artificial intelligence in the prediction of Chiari malformation type 1 recurrence after posterior fossa decompressive surgery', *Cureus*, vol. 16, no. 5, e60879, pp. 1-8. https://doi.org/10.7759/cureus.60879

148. Kirk, EP, Delatycki, MB, Archibald, AD, Tutty, E, Caruana, J, Halliday, JL, Lewis, S, McClaren, BJ, Newson, AJ, Dive, L, Best, S, Long, JC, Braithwaite, J, Downes, MJ, Scuffham, PA, Massie, J, Barlow-Stewart, K, Kulkarni, A, Ruscigno, A, Kanga-Parabia, A, Rodrigues, B, Bennetts, BH, Ebzery, C, Hunt, C, Cliffe, CC, Lee, C, Azmanov, D, King, EA, Madelli, EO, Zhang, F, Ho, G, Danos, I, Liebelt, J, Fletcher, J, Kennedy, J, Beilby, J, Emery, JD, McGaughran, J, Marum, JE, Scarff, K, Fisk, K, Harrison, K, Boggs, K, Giameos, L, Fitzgerald, L, Thomas, L, Burnett, L, Freeman, L, Harris, M, Berbic, M, Davis, MR, Cifuentes Ochoa, M, Wallis, M, Wall, M, Chow, MTM, Ferrie, MM, Pachter, N, Quayum, N, Lang, N, Kasi Pandy, P, Casella, R, Allcock, RJN, Ong, R, Edwards, S, Sundercombe, S, Jelenich, S, Righetti, S, Lunke, S, Kaur, S, Stock-Myer, S, Eggers, S, Walker, SP, Theodorou, T, Catchpool, T, Clinch, T, Roscioli, T, Hardy, T, Zhu, Y, Fehlberg, Z, Boughtwood, TF, Laing, NG & Mackenzie's Mission Investigators 2024, 'Nationwide, couple-based genetic carrier screening', *New England Journal of Medicine*, vol. 391, no. 20, pp. 1877-1889. https://doi.org/10.1056/NEJMoa2314768

149. Kourouche, S, Curtis, K, Considine, J, Fry, M, Mitchell, R, Shaban, RZ, Sivabalan, P & Bedford, D 2024, 'Does improved patient care lead to higher treatment costs? A multicentre cost evaluation of a blunt chest injury care bundle', *Injury*, vol. 55, no. 5, 111393, pp. 1-6. https://doi.org/10.1016/j.injury.2024.111393

150. Kourouche, S, Wiseman, T, Lam, MK, Mitchell, R, Sarrami, P, Dinh, M, Singh, H & Curtis, K 2024, 'Impact of comorbidities in severely injured patients with blunt chest injury: a population-based retrospective cohort

study', *Injury*, vol. 55, no. 6, 111538, pp. 1-6. https://doi.org/10.1016/j.injury.2024.111538

151. Lamprell, K, Chittajallu, R, Arnolda, G, Nic Giolla Easpaig, B, Delaney, GP, Liauw, W, Olver, I & Braithwaite, J 2024, 'Multidisciplinary team meeting chairs' attitudes and perceived facilitators, barriers and ideal improvements to meeting functionality: a qualitative study', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. 4, pp. 537-545. https://doi.org/10.1111/ajco.14077

152. Lane, H, Saunders, R, Crookes, K, Ang, SGM, Bulsara, C, Bulsara, MK, Ewens, B, Gallagher, O, Gullick, K, Haydon, S, Hughes, J, Nguyen, K-H, Seaman, K & Etherton-Beer, C 2024, 'Prevalence of frailty and pain in hospitalised cancer patients: implications for older adult care', *Internal Medicine Journal*, vol. 54, no. 4, pp. 671-674. https://doi.org/10.1111/imj.16351

153. Lathlean, TJH, Inacio, MC, Westbrook, J, Gray, L, Braithwaite, J, Hibbert, P, Comans, T, Crotty, M, Wesselingh, S, Sluggett, JK, Ward, S, Wabe, N & Caughey, GE 2024, 'Quality indicators to monitor the quality and safety of care for older people: a scoping review protocol', *JBI Evidence Synthesis*, vol. 22, no. 9, pp. 1857-1865. https://doi.org/10.11124/JBIES-23-00212

154. Lee, E, Schofield, D, Dronavalli, M, Lawler, K, Uebel, H, Burns, L, Bajuk, B, Page, A, Gu, Y, Eastwood, J, Dickson, M, Green, C, Dicair, L & Oei, JL 2024, 'Health care needs and costs for children exposed to prenatal substance use to adulthood', *JAMA Pediatrics*, vol. 178, no. 9, pp. 888-898. https://doi.org/10.1001/jamapediatrics.2024.2281

155. Li, F, Chen, Y, Xiao, D, Jiang, S & Yang, Y 2024, 'Cost-effectiveness analysis of sintilimab plus chemotherapy in advanced non-squamous non-small cell lung cancer: A societal perspective', *Advances in Therapy*, vol. 41, no. 4, pp. 1436–1449. https://doi.org/10.1007/s12325-024-02808-x

156. Li, F, Liu, S, Gu, Y, Li, S, Tao, Y, Wei, Y & Chen, Y 2024, 'Comparing the self-reported acceptability of discrete choice experiment and best-worst scaling: An empirical study in patients with type 2 diabetes mellitus', *Patient Preference and Adherence*, vol. 18, pp. 1803-1813. https://doi.org/10.2147/PPA.S470310

157. Li, L, Aryal, N, Ackermann, K, Merrett, N, Richardson, A, Westbrook, JI, Dunn, S & Lam, V 2024, 'Association between volume and cost in low-resection volume regions: a population-level study on pancreatoduodenectomy for pancreatic cancer patients', *Australian and New Zealand Journal of Surgery*. https://doi.org/10.1111/ans.19273

158. Li, L, Badgery-Parker, T, Merchant, A, Fitzpatrick, E, Raban, MZ, Mumford, V, Metri, N-J, Hibbert, PD, Mccullagh, C, Dickinson, M & Westbrook, JI 2024, 'Paediatric medication incident reporting: a multicentre comparison study of medication errors identified at audit, detected by staff and reported to an incident system', *BMJ Quality and Safety*, vol. 33, no. 10, 016711, pp. 624-633. https://doi.org/10.1136/bmjqs-2023-016711

159. Li, L, Baker, J, Quirk, R, Deidun, D, Moran, M, Abo Salem, A, Aryal, N, Van Dort, BA, Zheng, WY, Hargreaves, A, Doherty, P, Hilmer, SN, Day, RO, Westbrook, JI & Baysari, MT 2024, 'Drug–drug interactions and actual harm to hospitalized patients: a multicentre study examining the prevalence pre- and post-electronic medication system implementation', *Drug Safety*, vol. 47, no. 6, pp. 557-569. https://doi.org/10.1007/s40264-024-01412-w

160. Li, L, Baker, J, Saavedra, A, Suster, C, Moscova, M, Iredell, J & Shetty, A 2024, 'Comparison of clinical characteristics and outcomes of patients with sepsis identified by the Sepsis-3 criteria by blood and urine culture results: a multicentre retrospective cohort study', *Health Science Reports*, vol. 7, no. 6, e2162, pp. 1-9. https://doi.org/10.1002/hsr2.2162

161. Li, Y, Chan, S, Lu, L, Jackson, TM, Rahimi-Ardabili, H & Lau, AYS 2025, 'Translating in-person care to telehealth: a secondary analysis of GP consultations on musculoskeletal conditions', *BJGP Open*, pp. 1-11. https://doi.org/10.3399/BJGPO.2024.0013

162. Lima Peres, EV, Fabricio, MM, Peres, ML & Ransolin, N 2024, 'Flexibility of the built environment in healthcare: a systematic literature review', *Architectural Engineering and Design Management*. https://doi.org/10.1080/17452007.2024.2419633

163. Liu, K, Ling, S & Liu, S 2024, 'Semi-supervised medical image classification with pseudo labels using coalition similarity training', *Mathematics*, vol. 12, no. 10, 1537, pp. 1-18. https://doi.org/10.3390/math12101537

164. Liu, K, Liu, J & Liu, S 2024, 'Enhanced semi-supervised medical image classification based on dynamic sample reweighting and pseudo-label guided contrastive learning (DSRPGC)', *Mathematics*, vol. 12, no. 22, 3572, pp. 1-29. https://doi.org/10.3390/math12223572

165. Liu, K, Zhang, X, Xu, Z & Liu, S 2024, 'Multi-scale attention–based adaptive feature fusion network for fine-grained ship classification in remote sensing scenarios', *Journal of Applied Remote Sensing*, vol. 18, no. 3, 036512, pp. 036512-1-036512-17. https://doi.org/10.1117/1.JRS.18.036512

166. Liu, S, Xiang, Y, Gu, Y, Chen, N, Fu, P, Wei, Y, Zhao, P, Li, Y, Du, C, Mu, W, Xia, Z & Chen, Y 2024, 'Patient preferences and willingness to pay for central venous access devices in breast cancer: A multicenter discrete choice experiment', *International Journal of Nursing Studies*, vol. 152, 104695, pp. 1-9. https://doi.org/10.1016/j.ijnurstu.2024.104695

167. Liu, T, Yu, J, Gao, Y, Ma, X, Jiang, S, Gu, Y & Ming, W 2024, 'Prophylactic interventions for hereditary breast and ovarian cancer risks and mortality in BRCA1/2 carriers', *Cancers*, vol. 16, no. 1, 103, pp. 1-21. https://doi.org/10.3390/cancers16010103

168. Liu, Z, Ou, W, Liu, J, Zhang, K, Lai, Z & Xiong, H 2024, 'Discriminative transfer regression for low-rank and sparse subspace learning', *Engineering Applications of Artificial Intelligence*, vol. 133, no. Part C, 108445, pp. 1-14. https://doi.org/10.1016/j.engappai.2024.108445

169. Liu, Z, Ou, W, Zhang, K & Xiong, H 2024, 'Robust manifold discriminative distribution adaptation for transfer subspace learning', *Expert Systems with Applications*, vol. 238, 122117, pp. 1-16. https://doi.org/10.1016/j.eswa.2023.122117

170. Liu, Z, Zhu, F, Xiong, H, Chen, X, Pelusi, D & Vasilakos, AV 2025, 'Graph regularized discriminative nonnegative matrix factorization', *Engineering Applications of Artificial Intelligence*, vol. 139, no. Part B, 109629, pp. 1-15. https://doi.org/10.1016/j.engappai.2024.109629

171. Lo, CY, Clay-Williams, R, Elks, B, Warren, C & Rapport, F 2024, 'The (in)visibility of deafness: identity, stigma, quality of life and the potential role of totally implantable cochlear implants', *Health Expectations*, vol. 27, no. 3, e14060, pp. 1-13. https://doi.org/10.1111/hex.14060

172. Long, JC, Carrigan, A, Roberts, N, Clay-Williams, R, Hibbert, PD, Zurynski, Y, Maka, K, Loy, G & Braithwaite, J 2024, 'Consumer and provider perceptions of the specialist unit model of care: a qualitative study', *PLoS ONE*, vol. 19, no. 2, e0293025, pp. 1-16. https://doi.org/10.1371/journal.pone.0293025

173. Long, JC, Roberts, N, Francis-Auton, E, Sarkies, MN, Nguyen, HM, Westbrook, JI, Levesque, J-F, Watson, DE, Hardwick, R, Churruca, K, Hibbert, P & Braithwaite, J 2024, 'Implementation of large, multi-site hospital interventions: a realist evaluation of strategies for developing capability', *BMC Health Services Research*, vol. 24, no. 1, 303, pp. 1-11. https://doi.org/10.1186/s12913-024-10721-w

174. Ludlow, T, Fooken, J, Rose, C & Tang, KK 2024, 'Out-of-pocket expenditure, need, utilisation, and private health insurance in the Australian healthcare system', *International Journal of Health Economics and Management*, vol. 24, no. 1, pp. 33-56. https://doi.org/10.1007/s10754-023-09362-z

175. Luo, D, McGlashan, J, Lamprell, K, Arnolda, G, Braithwaite, J & Zurynski, Y 2024, 'Perspectives of cancer consumer representatives on their involvement in healthcare service improvement: a qualitative study', *BMC Health Services Research*, vol. 24, no. 1, 1324, pp. 1-11. https://doi.org/10.1186/s12913-024-11669-7

176. Lyng, HB, Vincent, CA, Haraldseid-Driftland, C, Guise, V, Ellis, LA, Braithwaite, J, Macrae, C, Fagerdal, B, Ree, E, Dombestein, H, Wæhle, HV & Wiig, S 2025, 'A road map for the operationalization of resilience in healthcare: a mixed method study', *Applied Ergonomics*, vol. 125, 104443. https://doi.org/10.1016/j.apergo.2024.104443

177. Lystad, RP & Vedantam, S 2025, 'Survival and longevity among male Australian elite athletes: a retrospective cohort study', *Journal of Science and Medicine in Sport*, vol. 28, no. 1, pp. 9-15. https://doi.org/10.1016/j.jsams.2024.09.005

178. Magerøy, MR, Braut, GS, Macrae, C, Clay-Williams, R, Braithwaite, J & Wiig, S 2024, 'Leading quality and safety on the frontline: a case study of department leaders in nursing homes', *Journal of Healthcare Leadership*, vol. 16, pp. 193-208. https://doi.org/10.2147/JHL.S454109

179. Magnani, E, Piu, ZA & Sinha, K 2024, 'Women's agency and HIV/AIDS knowledge deprivation: an analysis of married women in Bangladesh', *Feminist Economics*, vol. 30, no. 3, pp. 157-184. https://doi.org/10.1080/13545701.2024.2401927

180. Maher, NG, Danaei Mehr, H, Cong, C, Adegoke, NA, Vergara, IA, Liu, S & Scolyer, RA 2024, 'Weakly supervised deep learning image analysis can differentiate melanoma from naevi on haematoxylin and eosin-stained histopathology slides', *Journal of the European Academy of Dermatology and Venereology*, vol. 38, no. 12, pp. 2250-2258. https://doi.org/10.1111/jdv.20307

181. Mahn, D, Best, R, Wang, C & Abiona, O 2024, 'What drives solar energy adoption in developing countries? Evidence from household surveys across countries', *Energy Economics*, vol. 138, 107815. https://doi.org/10.1016/j.eneco.2024.107815

182. McDonald, PL, Foley, TJ, Verheij, R, Braithwaite, J, Rubin, J, Harwood, K, Phillips, J, Gilman, S & Van Der Wees, PJ 2024, 'Data to knowledge to improvement: creating the learning health system', *BMJ*, vol. 384, e076175, pp. 1-5. https://doi.org/10.1136/bmj-2023-076175

183. McGinty, EE, Alegria, M, Beidas, RS, Braithwaite, J, Kola, L, Leslie, DL, Moise, N, Mueller, B, Pincus, HA, Shidhaye, R, Simon, K, Singer, SJ, Stuart, EA & Eisenberg, MD 2024, 'The Lancet Psychiatry Commission: transforming mental health implementation research', *The Lancet Psychiatry*, vol. 11, no. 5, pp. 368-396. https://doi.org/10.1016/S2215-0366(24)00040-3

184. McMullan, RD, Churruca, K, Hibbert, P, Li, L, Ash, R, Urwin, R, Pavithra, A & Westbrook, JI 2024, 'Co-worker unprofessional behaviour and patient safety risks: an analysis of co-worker reports across eight Australian hospitals', *International Journal for Quality in Health Care*, vol. 36, no. 2, mzae030, pp. 1-8. https://doi.org/10.1093/intqhc/mzae030

185. Mercado, CI, Meulenbroeks, I, Huang, G, Wabe, N, Seaman, K, Clive, J & Westbrook, J 2024, 'The use and usefulness of the Peninsula Health Falls Risk Assessment Tool (PHFRAT) process in residential aged care: a mixed methods study across 25 aged care facilities', *BMC Geriatrics*, vol. 24, no. 1, 869, pp. 1-12. https://doi.org/10.1186/s12877-024-05462-8

186. Meulenbroeks, I, Mercado, C, Gates, P, Nguyen, A, Seaman, K, Wabe, N, Silva, SM, Zheng, WY, Debono, D & Westbrook, J 2024, 'Effectiveness of fall prevention interventions in residential aged care and community settings: an umbrella review', *BMC Geriatrics*, vol. 24, no. 1, 75, pp. 1-13. https://doi.org/10.1186/s12877-023-04624-4

187. Meulenbroeks, I, Raban, MZ, Seaman, K, Rolfe, K, Mercado, C, Ludlow, K, Wabe, N & Westbrook, J 2024, 'Community preferences for allied health services in residential aged care', *Health Expectations*, vol. 27, no. 6, e70081, pp. 1-11. https://doi.org/10.1111/hex.70081

188. Meulenbroeks, I, Wabe, N, Raban, MZ, Seaman, K & Westbrook, J 2024, 'Falls in focus: an analysis of the rate of falls in 25 Australian residential aged care facilities from 2019 to 2021, pre- and during COVID-19 lockdowns', *BMC Health Services Research*, vol. 24, no. 1, 1015, pp. 1-8. https://doi.org/10.1186/s12913-024-11479-x

189. Mitchell, RJ, Delaney, GP, Arnolda, G, Liauw, W, Lystad, RP & Braithwaite, J 2024, 'Survival of patients who had cancer diagnosed through an emergency hospital admission: a retrospective matched case-comparison study in Australia', *Cancer Epidemiology*, vol. 91, 102584, pp. 1-7. https://doi.org/10.1016/j.canep.2024.102584

190. Mitchell, RJ, Delaney, GP, Arnolda, G, Liauw, W, Lystad, RP & Braithwaite, J 2024, 'Three-year hospital service use trajectories of people diagnosed with cancer: a

retrospective cohort study', *Cancer Epidemiology*, vol. 93, 102676, pp. 1-8. https://doi.org/10.1016/j.canep.2024.102676

191. Mitchell, RJ, Delaney, GP, Arnolda, G, Liauw, W, Phillips, JL, Lystad, RP, Harrison, R & Braithwaite, J 2024, 'Potentially burdensome care at the end-of-life for cancer decedents: a retrospective population-wide study', *BMC Palliative Care*, vol. 23, no. 1, 32, pp. 1-11. https://doi.org/10.1186/s12904-024-01358-x

192. Mitchell, RJ, Wijekulasuriya, S, du Preez, J, Lystad, R, Chauhan, A, Harrison, R, Curtis, K & Braithwaite, J 2024, 'Population-level quality indicators of end-of-life-care in an aged care setting: rapid systematic review', *Archives of Gerontology and Geriatrics*, vol. 116, 105130, pp. 1-16. https://doi.org/10.1016/j.archger.2023.105130

193. Mitchell, RJ, Wijekulasuriya, S, Mayor, A, Borges, FK, Toneli, AC, Ahn, J, Seymour, H & Fragility Fracture Network Hip Fracture Audit Special Interest Group 2024, 'Principles for management of hip fracture for older adults taking direct oral anticoagulants: an international consensus statement', *Anaesthesia*, vol. 79, no. 6, pp. 627-637. https://doi.org/10.1111/anae.16226

194. Mitsutake, S, Lystad, RP, Long, JC, Braithwaite, J & Mitchell, R 2024, 'Impact of COVID-19 public health restrictions on fall-related hip fracture hospitalizations: an interrupted time series analysis', *Bone*, vol. 188, 117237, pp. 1-8. https://doi.org/10.1016/j.bone.2024.117237

195. Mitsutake, S, Lystad, RP, Long, JC, Braithwaite, J, Ishizaki, T, Close, J & Mitchell, R 2024, 'Group-based trajectories of potentially preventable hospitalisations among older adults after a hip fracture', *Osteoporosis International*, vol. 35, no. 10, pp. 1849-1857. https://doi.org/10.1007/s00198-024-07203-4

196. Mitsutake, S, Sa, Z, Long, J, Braithwaite, J, Levesque, J-F, Watson, DE, Close, J & Mitchell, R 2024, 'The role of frailty risk for fracture-related hospital readmission and mortality after a hip fracture', *Archives of Gerontology and Geriatrics*, vol. 117, 105264, pp. 1-8. https://doi.org/10.1016/j.archger.2023.105264

197. Mohammed, MA, Chan, AHY, Wabe, N, Ali, A, Harris, L, West, S, Colaabavala, R, Aw, J & Harrison, J 2024, 'Anticholinergic burden and frailty in older inpatients: insights from analysis of admission and discharge medicines using four anticholinergic scales', *BMC Geriatrics*, vol. 24, no. 1, 1022, pp. 1-9. https://doi.org/10.1186/s12877-024-05394-3

198. Morrow, A, Baffsky, R, Tucker, K, Parkinson, B, Steinberg, J, Chan, P, Kennedy, E, Debono, D, Hogden, E & Taylor, N 2024, 'Improving Lynch syndrome detection: a mixed-methods process evaluation of a hybrid type III effectiveness-implementation trial', *BMC Health Services Research*, vol. 24, no. 1, 1552, pp. 1-19. https://doi.org/10.1186/s12913-024-11857-5

199. Moscovici, D, Gow, J, Valenzuela, L, Rana, R, Ugaglia, AA & Mihailescu, R 2024, 'Assessing the age effect on consumer attitudes and willingness to pay for sustainably produced wine: A transnational analysis', *Journal of Sustainability Research*, vol. 6, no. 3, e240048, pp. 1-18. https://doi.org/10.20900/jsr20240048

200. Mumford, V, Raban, MZ, Li, L, Fitzpatrick, E, Woods, A, Merchant, A, Badgery-Parker, T, Gates, P, Baysari, M, Day, RO, Ambler, G, Dalla-Pozza, L, Gazarian, M, Gardo, A, Barclay, P, White, L & Westbrook, JI 2024, 'Developing a process to measure actual harm from medication errors in paediatric inpatients: from design to implementation', *British Journal of Clinical Pharmacology*, vol. 90, no. 7, pp. 1615-1626. https://doi.org/10.1111/bcp.16052

201. Najafi, F, Moghadam, ZB, Pashaeypoor, S & Vizheh, M 2024, 'The effects of theory of planned behavior-based intervention on quality of life in women living with HIV in Iran: a randomized controlled trial', *HIV and AIDS Review*, vol. 23, no. 1, pp. 49-57. https://doi.org/10.5114/hivar.2024.135745

202. Naru, FS, Churruca, K, Long, JC, Sarkies, M & Braithwaite, J 2024, 'Disaster preparedness in Australian hospitals: a cross-sectional survey', *Progress in Disaster Science*, vol. 24, 100369, pp. 1-10. https://doi.org/10.1016/j.pdisas.2024.100369

203. Naru, FS, Churruca, K, Long, JC, Sarkies, M & Braithwaite, J 2024, 'Lessons learned in an Australian flood-affected hospital's evacuation and field hospital setup: a qualitative study', *Journal of Contingencies and Crisis Management*, vol. 32, no. 4, e70012, pp. 1-9. https://doi.org/10.1111/1468-5973.70012

204. Newman, B, Bowden, J, Jessup, R, Christie, LJ, Livingstone, A, Sarkies, M, Killedar, A, Vleeskens, C, Sarwar, M, Tieu, T, Chamberlain, S, Harrison, R & Pearce, A 2024, 'Engaging with health consumers in scientific conferences: as partners not bystanders', *Health Expectations*, vol. 27, no. 4, e14147, pp. 1-6. https://doi.org/10.1111/hex.14147

205. Newman, B, Cheek, C, Richardson, L, Gillies, D, Hutchinson, K, Austin, E, Murphy, M, Testa, L, Rojas, C, Raggett, L, Dominello, A, Smith, K & Clay-Williams, R 2024, 'Strategies to improve emergency department care for adults living with disability: a systematic review', *EMA - Emergency Medicine Australasia*, vol. 36, no. 6, pp. 823-833. https://doi.org/10.1111/1742-6723.14500

206. Nguyen, AD, Dodds, L, Ludlow, K, Baysari, M, Comi, R, Zheng, WY & Westbrook, JI 2024, 'Using co-design to understand consumer's health information-seeking behaviours and design preferences for a new digital clinical dashboard in aged care', *BMC Geriatrics*, vol. 24, no. 1, 993, pp. 1-11. https://doi.org/10.1186/s12877-024-05581-2

207. Nguyen, AD, White, SJ, Naresh, SSS & Cartmill, JA 2024, 'Gastrointestinal specialist perspectives on telehealth consultations', *Qualitative Health Communication*, vol. 3, no. 1, pp. 68–85. https://doi.org/10.7146/qhc.131701

208. Nguyen, AD, White, SJ, Tse, T, Cartmill, JA, Roger, P, Hatem, S & Willcock, SM 2024, 'Communication during telemedicine consultations in general practice: perspectives from general practitioners and their patients', *BMC Primary Care*, vol. 25, no. 1, 324, pp. 1-9. https://doi.org/10.1186/s12875-024-02576-1

209. Nic Giolla Easpaig, B, Newman, B, Johnson, J, Laidsaar-Powell, R, Sansom-Daly, UM, Jones, L, Hoffstätter, L, Robertson, EG, Mears, S, Sattarshetty, K & Harrison, R 2024, 'Supporting carers: study protocol of a meta-review of psychosocial interventions for carers of people

with cancer', *JMIR Research Protocols*, vol. 13, e56403, pp. 1-8. https://doi.org/10.2196/56403, https://doi.org/10.2196/56403

210. Noetel, M, Sanders, T, Gallardo-Gómez, D, Taylor, P, del Pozo Cruz, B, van den Hoek, D, Smith, JJ, Mahoney, J, Spathis, J, Moresi, M, Pagano, R, Pagano, L, Vasconcellos, R, Arnott, H, Varley, B, Parker, P, Biddle, S & Lonsdale, C 2024, 'Effect of exercise for depression: systematic review and network meta-analysis of randomised controlled trials', *BMJ*, vol. 384, e075847, pp. 1-17. https://doi.org/10.1136/bmj-2023-075847

211. O'Hara, DV, Lam, CSP, McMurray, JJV, Yi, TW, Hocking, S, dawson, J, Raichand, S, Januszewski, AS & Jardine, MJ 2024, 'Applications of SGLT2 inhibitors beyond glycaemic control', *Nature Reviews Nephrology*, vol. 20, no. 8, pp. 513–529. https://doi.org/10.1038/s41581-024-00836-y

212. Okuba, T, Sa, Z, Badgery-Parker, T, Long, JC, Braithwaite, J, Makris, A, Hutton, A, Levesque, J-F, Watson, DE, Westbrook, JI & Mitchell, R 2025, 'Trajectories of hospital service use in the last 12months of life by people with chronic kidney disease: a retrospective cohort study', *Australian Health Review*, vol. 49, no. 1, AH24139, pp. 1-11. https://doi.org/10.1071/AH24139

213. Ong, N, Lucien, A, Long, J, Weise, J, Burgess, A & Walton, M 2024, 'What do parents think about the quality and safety of care provided by hospitals to children and young people with an intellectual disability? A qualitative study using thematic analysis', *Health Expectations*, vol. 27, no. 1, e13925, pp. 1-16. https://doi.org/10.1111/hex.13925

214. Osman, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, 'Systems archetypes to investigate the unintended consequences of telehealth in rural Australia: a systems thinking approach to telehealth evaluation and policymaking', *The International Journal of Health Planning and Management*, vol. 39, no. 2, pp. 204-219. https://doi.org/10.1002/hpm.3741

215. Osman, S, Churruca, K, Ellis, LA & Braithwaite, J 2025, "It cuts both ways': a qualitative analysis of stakeholders' views on the emerging and potential unintended consequences of telehealth in rural Australia', *Journal of Evaluation in Clinical Practice*, vol. 31, no. 1, e14270, pp. 1-13. https://doi.org/10.1111/jep.14270

216. Osman, S, Churruca, K, Ellis, LA, Luo, D & Braithwaite, J 2024, 'The unintended consequences of telehealth in Australia: critical interpretive synthesis', *Journal of Medical Internet Research*, vol. 26, e57848, pp. 1-25. https://doi.org/10.2196/57848

217. Owais, SS, Arnolda, G, Lamprell, K, Liauw, W, Delaney, GP, Olver, I, Karnon, J & Braithwaite, J 2024, 'Bowel cancer diagnosis experiences as a predictor of overall care rating: evidence from the English Cancer Patient Experience Survey', *Frontline Gastroenterology*. https://doi.org/10.1136/flgastro-2024-102762

218. Øyri, SF, Braithwaite, J, Greenfield, D & Wiig, S 2024, 'Resilience and regulation: antithesis or a smart combination for future healthcare service improvement?', *International Journal for Quality in Health Care*, vol. 36, no. 1, mzae002, pp. 1-3. https://doi.org/10.1093/intqhc/mzae002

219. Pagano, L, Glenn, N, Hutchinson, K, Long, JC, Braithwaite, J & Sarkies, MN 2024, 'Operationalisation of health equity principles in physiotherapy hospital triage policies', *International Journal for Equity in Health*, vol. 23, no. 1, 167, pp. 1-11. https://doi.org/10.1186/s12939-024-02249-6

220. Pagano, L, Gumuskaya, O, Long, JC, Arnolda, G, Patel, R, Pagano, R, Braithwaite, J, Francis-Auton, E, Hirschhorn, A & Sarkies, MN 2024, 'Consensus-building processes for implementing perioperative care pathways in common elective surgeries: a systematic review', *Journal of Advanced Nursing*. https://doi.org/10.1111/jan.16524

221. Pagano, L, Sharman, JE, Nash, R, Sutton, L, Donovan, S, Owens, D, Murfett, L, Heathcote, S, Wells, G, Zurynski, Y, Sarkies, M & Chapman, N 2024, 'Implementing absolute cardiovascular disease risk assessment into pathology collection services', *Journal of Evaluation in Clinical Practice*, vol. 30, no. 7, pp. 1239-1250. https://doi.org/10.1111/jep.14034

222. Park, KH, Tickle, L & Cutler, H 2024, 'How temporal patterns of medication adherence to antidepressants, bisphosphonates and statins are associated with healthcare cost', *Applied Economics*, vol. 56, no. 11, pp. 1283-1308. https://doi.org/10.1080/00036846.2023.2176446

223. Partington, A, Crotty, M, Laver, K, Greene, L, Afzali, HHA & Karnon, J 2024, 'Preparing early economic evaluations for the development and management of health service interventions', *International Journal of Technology Assessment in Health Care*, vol. 40, no. 1, e47, pp. 1-9. https://doi.org/10.1017/S0266462324000539

224. Peprah, P, Oduro, MS & Addo, IY 2025, 'Family affluence and bullying victimisation affect life satisfaction in large-bodied adolescents: evidence from 37 high-income countries', *Child Abuse and Neglect*, vol. 160, 107213, pp. 1-14. https://doi.org/10.1016/j.chiabu.2024.107213

225. Pham, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, 'No matter what time of day': the value of joining Facebook groups supporting women's self-management of gestational diabetes mellitus', *Health Expectations*, vol. 27, no. 3, e14082, pp. 1-8. https://doi.org/10.1111/hex.14082

226. Pham, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, 'Help-seeking, support, and engagement in gestational diabetes mellitus online communities on Facebook: content analysis', *JMIR Formative Research*, vol. 8, e49494, pp. 1-6. https://doi.org/10.2196/49494

227. Pham, S, Churruca, K, Ellis, LA & Braithwaite, J 2025, 'Women's views about online communities for gestational diabetes mellitus: a qualitative interview study', *Midwifery*, vol. 142, 104280, pp. 1-9. https://doi.org/10.1016/j.midw.2024.104280

228. Powell, M, Olsen, KN, Davidson, J & Thompson, WF 2024, 'Understanding the attraction to music containing violent themes: a qualitative analysis', *Psychology of Popular Media*. https://doi.org/10.1037/ppm0000531

229. Powell, M, Olsen, KN, Vallerand, RJ & Thompson, WF 2024, 'Passion, music, and psychological well-being', *Musicae Scientiae*, vol. 28, no. 1, pp. 39–57. https://doi.org/10.1177/10298649231157404

230. Pring, EX, Olsen, KN, Mobbs, AED & Thompson, WF 2024, 'Music communicates social emotions: evidence from 750 music excerpts', *Scientific Reports*, vol. 14, no. 1, 27766, pp. 1-14. https://doi.org/10.1038/s41598-024-78156-1

231. Pritchard, T, Feng, X, Walsan, R & Astell-Burt, T 2024, 'When does greener mean slimmer? Longitudinal analysis of green space, trees, grass, and body mass index in a cohort of 50,672 Australians: exploring potential non-linearities and modifying influences of household relocation and gender', *Urban Forestry and Urban Greening*, vol. 100, 128448, pp. 1-12. https://doi.org/10.1016/j.ufug.2024.128448

232. Quan, Y, Lo, CY, Olsen, KN & Thompson, WF 2024, 'The effectiveness of aerobic exercise and dance interventions on cognitive function in adults with mild cognitive impairment: an overview of meta-analyses', *International Review of Sport and Exercise Psychology*. https://doi.org/10.1080/1750984X.2024.2332989

233. Raban, MZ, Fitzpatrick, E, Merchant, A, Rahman, B, Badgery-Parker, T, Li, L, Baysari, M, Barclay, P, Dickinson, M, Mumford, V & Westbrook, J 2025, 'Longitudinal study of the manifestations and mechanisms of technology-related prescribing errors in pediatrics', *Journal of the American Medical Informatics Association: JAMIA*, vol. 32, no. 1, pp. 105-112. https://doi.org/10.1093/jamia/ocae218

234. Raban, MZ, Merchant, A, Fitzpatrick, E, Baysari, MT, Li, L, Gates, P & Westbrook, JI 2024, 'Understanding prescribing errors for system optimisation: the technology-related error mechanism classification', *BMJ Health and Care Informatics*, vol. 31, no. 1, e100974, pp. 1-8. https://doi.org/10.1136/bmjhci-2023-100974

235. Rahimaghaee, F, Hatamipour, K & Vizheh, M 2024, 'Spiritual needs of Iranian patients with COVID-19: a qualitative study', *Journal of Religion and Health*, vol. 63, no. 5, pp. 3961-3973. https://doi.org/10.1007/s10943-024-02001-y

236. Rahimi-Ardabili, H, Magrabi, F, Sanderson, B, Schuler, T & Coiera, E 2024, 'A qualitative analysis of health service problems and the strategies used to manage them in the COVID-19 pandemic: exploiting generic and context-specific approaches', *BMC Health Services Research*, vol. 24, no. 1, 1067, pp. 1-8. https://doi.org/10.1186/s12913-024-11499-7

237. Rahimi-Ardabili, H, Magrabi, F, Sanderson, B, Schuler, T & Coiera, E 2024, 'Innovation bundles and platforms: a qualitative analysis of health system responses to the COVID-19 pandemic', *BMC Health Services Research*, vol. 24, no. 1, 1181, pp. 1-11. https://doi.org/10.1186/s12913-024-11672-y

238. Raichand, S, Blaya-Novakova, V, Berber, S, Livingstone, A, Noguchi, N & Houssami, N 2024, 'Digital breast tomosynthesis for breast cancer diagnosis in women with dense breasts and additional breast cancer risk factors: A systematic review', *Breast*, vol. 77, 103767, pp. 1-9. https://doi.org/10.1016/j.breast.2024.103767

239. Rana, RH, Adeyinka, AA, Mushtaq, S, Barratt, J & Alam, K 2024, 'The impact of agricultural insurance on farmers' mental health: what we can learn from the literature', *Environment, Development and Sustainability*. https://doi.org/10.1007/s10668-024-05515-3

240. Ransolin, N, Saurin, TA, Clay-Williams, R, Formoso, CT & Rapport, F 2024, 'A knowledge framework for the design of built environment supportive of resilient internal logistics in hospitals', *Applied Ergonomics*, vol. 116, 104209, pp. 1-14. https://doi.org/10.1016/j.apergo.2023.104209

241. Ransolin, N, Saurin, TA, Clay-Williams, R, Formoso, CT, Rapport, F & Cartmill, J 2024, 'Beyond the operating room: built environment design knowledge supportive of resilient surgical services', *Engineering, Construction and Architectural Management*. https://doi.org/10.1108/ECAM-10-2023-1063

242. Righi, AW, Wachs, P, Ransolin, N & Bertoni, VB 2024, 'Resources for action and organizational resilience in times of COVID-19: a study in health care', *Human Factors and Ergonomics in Manufacturing & Service Industries*, vol. 34, no. 6, pp. 516-526. https://doi.org/10.1002/hfm.21045

243. Rius, R, Compton, AG, Baker, NL, Balasubramaniam, S, Best, S, Bhattacharya, K, Boggs, K, Boughtwood, T, Braithwaite, J, Bratkovic, D, Bray, A, Brion, M-J, Burke, J, Casauria, S, Chong, B, Coman, D, Cowie, S, Cowley, M, de Silva, MG, Delatycki, MB, Edwards, S, Ellaway, C, Fahey, MC, Finlay, K, Fletcher, J, Frajman, LE, Frazier, AE, Gayevskiy, V, Ghaoui, R, Goel, H, Goranitis, I, Haas, M, Hock, DH, Howting, D, Jackson, MR, Kava, MP, Kemp, M, King-Smith, S, Lake, NJ, Lamont, PJ, Lee, J, Long, JC, MacShane, M, Madelli, EO, Martin, EM, Marum, JE, Mattiske, T, McGill, J, Metke, A, Murray, S, Panetta, J, Phillips, LK, Quinn, MCJ, Ryan, MT, Schenscher, S, Simons, C, Smith, N, Stroud, DA, Tchan, MC, Tom, M, Wallis, M, Ware, TL, Welch, AE, Wools, C, Wu, Y, Christodoulou, J & Thorburn, DR 2025, 'The Australian Genomics Mitochondrial Flagship: a national program delivering mitochondrial diagnoses', *Genetics in Medicine*, vol. 27, no. 1, 101271, pp. 1-12. https://doi.org/10.1016/j.gim.2024.101271

244. Ross, J, Poduval, S, Albury, C, Lau, A, Whitaker, N & Stevenson, F 2024, 'Achieving patient weighing in UK primary care. A conversation analytic study', *SSM - Qualitative Research in Health*, vol. 5, 100384, pp. 1-11. https://doi.org/10.1016/j.ssmqr.2023.100384

245. Sa, Z, Badgery-Parker, T, Long, JC, Braithwaite, J, Brown, M, Levesque, J-F, Watson, DE, Westbrook, JI & Mitchell, R 2024, 'Impact of mental disorders on unplanned readmissions for congestive heart failure patients: a population-level study', *ESC heart failure*, vol. 11, no. 2, pp. 962-973. https://doi.org/10.1002/ehf2.14644

246. Safi, M, Thude, BR, Brandt, F, Austin, E & Williams, RC 2024, 'The application of the Resilience Assessment Grid in outpatient clinics: a validation study', *Safety Science*, vol. 171, 106396, pp. 1-9. https://doi.org/10.1016/j.ssci.2023.106396

247. Sahadewo, G, Permana, Y, Gu, Y & Schroeder, E-A 2024, 'The Effect of the Covid-19 pandemic on mental health: quasi-experimental evidence from Indonesia', *Journal of Indonesian Economy and Business*, vol. 39, no. 1, pp. 93–108. https://doi.org/10.22146/jieb.v39i1.6363

248. Salmon, PM, Burns, C, Broadbent, S, Chari, S, Clay-Williams, R, Hancock, PA, Jenkins, DP, Mills, A, Parnell, K, Plant, KL, Read, GJM, Sharples, S, Shorrock, S, Stanton, NA, Walker, GH, Williams, C, Waterson, P & Young, MS 2024, 'The Chartered Institute of Ergonomics and Human Factors at 75: perspectives on contemporary challenges and future directions for Ergonomics and Human Factors', *Ergonomics*. https://doi.org/10.1080/00140139.2024.2378355

249. Saunders, R, Ocampo, FA, Graham, R, Christiansen, A, Gay, M & Seaman, K 2025, 'Hospital volunteer programs for older people: a systematic scoping review', *Geriatric Nursing*, vol. 61, pp. 185-191. https://doi.org/10.1016/j.gerinurse.2024.11.005

250. Schroeder, T, Haug, M, Georgiou, A, Seaman, K & Gewald, H 2024, 'Evidence of how physicians and their patients adopt mHealth apps in Germany: exploratory qualitative study', *JMIR mHealth and uHealth*, vol. 12, e48345, pp. 1-15. https://doi.org/10.2196/48345

251. Schroeder, T, Kamalakkannan, A, Seaman, K, Nguyen, A, Siette, J, Gewald, H & Georgiou, A 2024, 'Perception of middle-aged and older adults towards mHealth apps: a comparative factor analysis between Australia and Germany', *International Journal of Medical Informatics*, vol. 189, 105502, pp. 1-7. https://doi.org/10.1016/j.ijmedinf.2024.105502

252. Schroeder, T, Seaman, K, Nguyen, A, Siette, J, Gewald, H & Georgiou, A 2024, 'What would it take to improve the uptake and utilisation of mHealth applications among older Australians? A qualitative study', *Australian Health Review*, vol. 48, no. 1, pp. 28-33. https://doi.org/10.1071/AH23119

253. Schultz, TJ, Zhou, M, Gray, J, Roseleur, J, Clark, R, Mordaunt, DA, Hibbert, PD, Haysom, G & Wright, M 2024, 'Patient characteristics of, and remedial interventions for, complaints and medico-legal claims against doctors: a rapid review of the literature', *Systematic Reviews*, vol. 13, no. 1, 104, pp. 1-16. https://doi.org/10.1186/s13643-024-02501-8

254. Schwabe, J, Caughey, GE, Jorissen, R, Comans, T, Gray, L, Westbrook, J, Braithwaite, J, Hibbert, P, Wesselingh, S, Sluggett, JK, Wabe, N & Inacio, MC 2024, 'Setting standards in residential aged care: identifying achievable benchmarks of care for long-term aged care services', *International Journal for Quality in Health Care*, vol. 36, no. 4, mzae105, pp. 1-10. https://doi.org/10.1093/intqhc/mzae105

255. Scott, IA, van der Vegt, A, Lane, P, McPhail, S & Magrabi, F 2024, 'Achieving large-scale clinician adoption of AI-enabled decision support', *BMJ Health and Care Informatics*, vol. 31, no. 1, e100971, pp. 1-6. https://doi.org/10.1136/bmjhci-2023-100971

256. Scott, J, Waring, J, Abuosi, AA, Agada-Amade, YA, Bashar, JM, De Brún, A, Cann, H, Crowley, P, Dewa, LH, Spanos, S & Wiig, S 2024, 'International research priorities for integrated care and cross-boundary working: an electronic Delphi study', *International Journal for Quality in Health Care*, vol. 36, no. 4, mzae095, pp. 1-8. https://doi.org/10.1093/intqhc/mzae095

257. Seaman, K, Huang, G, Wabe, N, Nguyen, A, Pinto, S & Westbrook, J 2024, 'Hospitalisations before and after entry into a residential aged care facility: an interrupted time series analysis', *Australasian Journal on Ageing*, vol. 43, no. 1, pp. 61-70. https://doi.org/10.1111/ajag.13249

258. Seid, A, Cumpston, MS, Ahmed, KY, Bizuayehu, HM, Thapa, S, Tegegne, TK, Dadi, AF, Odo, DB, Shifti, DM, Belachew, SA, Kibret, GD, Ketema, DB, Kassa, ZY, Amsalu, E, Bore, MG & Hassen, TA 2025, 'The intergenerational association of preterm birth: a systematic review and meta-analysis', *BJOG: An International Journal of Obstetrics and Gynaecology*, vol. 132, no. 1, pp. 18-26. https://doi.org/10.1111/1471-0528.17924

259. Seljemo, C, Wiig, S, Røise, O, Ellis, LA, Braithwaite, J & Ree, E 2024, 'How Norwegian homecare managers tackled COVID-19 and displayed resilience-in-action: multiple perspectives of frontline-staff', *Journal of Contingencies and Crisis Management*, vol. 32, no. 1, e12558, pp. 1-11. https://doi.org/10.1111/1468-5973.12558

260. Sharma, R, Tani, M, Cheng, Z, Ching, TYC, Marnane, V, Mendolia, S & Parkinson, B 2024, 'Does childhood cochlear implantation spill over to carers' employment status?', *Ear and Hearing*. https://doi.org/10.1097/AUD.0000000000001588

261. Shu, J-T, Gu, Y-Y, Zhai, P-Y, Wen, C, Qian, M, Wu, Y-J, Zhuang, X, Zhu, Q-W, Zhang, L-P, Jiang, S, Wang, X-M, Jiang, Y-H, Huang, L-H, Qin, G & CODES collaborative study group 2024, 'Economic evaluation of newborn deafness gene screening as a public health intervention in China: a modelling study', *BMJ Public Health*, vol. 2, no. 1, e000838, pp. 1-11. https://doi.org/10.1136/bmjph-2023-000838

262. Siette, J, Dodds, L, Deckers, K, Köhler, S, Heger, I, Strutt, P, Johnco, C, Wuthrich, V & Armitage, CJ 2024, 'A pilot study of BRAIN BOOTCAMP, a low-intensity intervention on diet, exercise, cognitive activity, and social interaction to improve older adults' dementia risk scores', *Journal of Prevention of Alzheimer's Disease*, vol. 11, no. 5, pp. 1500-1512. https://doi.org/10.14283/jpad.2024.104

263. Siette, J, Guion, J, Ijaz, K, Strutt, P, Porte, M, Savage, G & Richards, D 2024, 'Development of a new computer simulated environment to screen cognition: assessing the feasibility and acceptability of Leaf Café in younger and older adults', *BMC Medical Informatics and Decision Making*, vol. 24, no. 1, 79, pp. 1-16. https://doi.org/10.1186/s12911-024-02478-3

264. Siette, J, Ludlow, K, Dodds, L, Strutt, P & Wuthrich, V 2024, '"Provided a window on the world and lessened my feeling of isolation": older adults' perceived COVID-19 impact and technology use in Australia during recurrent lockdowns', *BMC Geriatrics*, vol. 24, no. 1, 206, pp. 1-13. https://doi.org/10.1186/s12877-024-04807-7

265. Siette, J, Nguyen, AD, Dodds, L, Brett, L & Georgiou, A 2024, 'Co-production processes for translation and validation of psychosocial assessments for older adults in aged care', *Australasian Journal on Ageing*, vol. 43, no. 3, pp. 645-650. https://doi.org/10.1111/ajag.13315

266. Siminiuc, D, Gumuskaya, O, Mitchell, R, Bell, J, Cameron, ID, Hallen, J, Birkenhead, K, Hurring, S, Baxter, B, Close, J, Sheehan, KJ, Johansen, A, Chehade, MJ, Sherrington, C, Balogh, ZJ, Taylor, ME & Sarkies, M 2024, 'Rehabilitation after surgery for hip fracture: the impact of prompt,

frequent and mobilisation-focused physiotherapy on discharge outcomes: an observational cohort study.', *BMC Geriatrics*, vol. 24, no. 1, 629, pp. 1-10. https://doi.org/10.1186/s12877-024-05206-8

267. Simons, M, Fisher, G, Spanos, S, Zurynski, Y, Davidson, A, Stoodley, M, Rapport, F & Ellis, LA 2024, 'Integrating training in evidence-based medicine and shared decision-making: a qualitative study of junior doctors and consultants', *BMC Medical Education*, vol. 24, no. 1, 418, pp. 1-13. https://doi.org/10.1186/s12909-024-05409-y

268. Sinha, K, Gutacker, N, Gu, Y, Haagsma, J, Kumar, K & Aghdaee, M 2024, 'Protocol for a longitudinal study examining the trajectory of COVID-19, post-COVID, multidimensional disadvantage and health-related quality of life in India: the IndiQol Project', *BMJ Open*, vol. 14, no. 7, e080985, pp. 1-9. https://doi.org/10.1136/bmjopen-2023-080985

269. Skrypnyk, M 2024, 'Current progress and limitations of research regarding the therapeutic use of adipose-derived stem cells: literature review', *Journal of Umm Al-Qura University for Applied Sciences*. https://doi.org/10.1007/s43994-024-00147-9

270. Smith, CL, Fisher, G, Dharmayani, PNA, Wijekulasuriya, S, Ellis, LA, Spanos, S, Dammery, G, Zurynski, Y & Braithwaite, J 2024, 'Progress with the Learning Health System 2.0: a rapid review of Learning Health Systems' responses to pandemics and climate change', *BMC Medicine*, vol. 22, no. 1, 131, pp. 1-18. https://doi.org/10.1186/s12916-024-03345-8

271. Smith, CL, Rojas, C, Zurynski, Y, Partington, A & Braithwaite, J 2024, 'What Australia must do to create a climate-responsive health system', *Internal Medicine Journal*, vol. 54, no. 11, pp. 1913-1918. https://doi.org/10.1111/imj.16528

272. Solterbeck, K, Staples, L, Woodman, L, Burns, N, Mitchell, R & Nielssen, O 2024, 'Substance use by homeless clinic attenders in Sydney', *Australasian Psychiatry*, vol. 32, no. 5, pp. 440-445. https://doi.org/10.1177/10398562241265221

273. Spanos, S, Dammery, G, Pagano, L, Ellis, LA, Fisher, G, Smith, CL, Foo, D & Braithwaite, J 2024, 'Learning health systems on the front lines to strengthen care against future pandemics and climate change: a rapid review', *BMC Health Services Research*, vol. 24, no. 1, 829, pp. 1-10. https://doi.org/10.1186/s12913-024-11295-3

274. Spanos, S, Hutchinson, K, Ryder, T, Rapport, F, Goodwin, N & Zurynski, Y 2024, 'Integrated care in epilepsy management: a scoping review of the models and components of health and social care delivery', *International Journal of Integrated Care*, vol. 24, no. 1, 18, pp. 1-16. https://doi.org/10.5334/ijic.7659

275. Spanos, S, Leask, E, Patel, R, Datyner, M, Loh, E & Braithwaite, J 2024, 'Healthcare leaders navigating complexity: a scoping review of key trends in future roles and competencies', *BMC Medical Education*, vol. 24, no. 1, 720, pp. 1-13. https://doi.org/10.1186/s12909-024-05689-4

276. Spanos, S, Singh, N, Laginha, BI, Arnolda, G, Smith, AL, Wilkinson, D, Cust, AE, Braithwaite, J & Rapport, F 2024, 'Quality measures in primary care skin cancer management: a qualitative study of the views of key informants', *BMJ Open*, vol. 14, no. 7, e080670, pp. 1-11. https://doi.org/10.1136/bmjopen-2023-080670

277. St Clair, B, Nguyen, A, Jorgensen, M & Georgiou, A 2024, 'Adverse impacts in residential aged care facilities: the resident perspective', *Australasian Journal on Ageing*, vol. 43, no. 3, pp. 581-590. https://doi.org/10.1111/ajag.13306

278. Stewart, I, Freeman, S, Phillips, G, Maplesden, J, Barnes, D, Soderland, S & Hutton, J 2025, 'What they did next: Using follow-up phone calls to investigate health care access patterns of patients who take their own leave', *EMA - Emergency Medicine Australasia*, vol. 37, no. 1, e14536, pp. 1-10. https://doi.org/10.1111/1742-6723.14536

279. Sweller, N, Choi, AJ & Austin, E 2024, 'Gesture production at encoding supports narrative recall', *Psychological Research*, vol. 88, no. 2, pp. 535–546. https://doi.org/10.1007/s00426-023-01886-w

280. Taylor, ME, Ramsay, N, Mitchell, R, McDougall, C, Harris, IA, Hallen, J, Ward, N, Hurring, S, Harvey, LA, Armstrong, E & Close, JCT 2024, 'Improving hip fracture care: a five-year review of the early contributors to the Australian and New Zealand Hip Fracture Registry', *Australasian Journal on Ageing*, vol. 43, no. 1, pp. 31-42. https://doi.org/10.1111/ajag.13270

281. Testa, L, Richardson, L, Cheek, C, Hensel, T, Austin, E, Safi, M, Ransolin, N, Carrigan, A, Long, J, Hutchinson, K, Goirand, M, Bierbaum, M, Bleckly, F, Hibbert, P, Churruca, K & Clay-Williams, R 2024, 'Strategies to improve care for older adults who present to the emergency department: a systematic review', *BMC Health Services Research*, vol. 24, no. 1, 178, pp. 1-35. https://doi.org/10.1186/s12913-024-10576-1

282. Thapa, S, Ahmed, KY, Bizuayehu, HM, Huda, MM, Chalise, B, Bore, MG, Belachew, SA, Hassen, TA, Amsalu, E, Shifti, DM, Seid, A, Mesfin, YM, Tegegne, TK, Dadi, AF, Odo, DB, Kibret, GD, Ketema, DB, Kassa, ZY, Anyasodor, AE, Mahmood, S, Astawesegn, FH & Ross, AG 2024, 'Trends and social determinants of the obesity epidemic among reproductive-age women in ten Asian countries', *Scientific Reports*, vol. 14, no. 1, 22545, pp. 1-11. https://doi.org/10.1038/s41598-024-73522-5

283. Thomas, J, Li, J, Scowen, C, Eigenstetter, A & Georgiou, A 2024, 'Emergency department pathology order support tool (ED POST): a protocol using qualitative inquiry to inform design and development of a prototype to reduce low value care', *Health Services and Outcomes Research Methodology*, vol. 24, no. 3, pp. 268-280. https://doi.org/10.1007/s10742-023-00314-1

284. Thomas, J, Prgomet, M, Weeding, S, McGuire, P, Goodger, B, Joss, N, Mackintosh, CF, McLeod, A & Georgiou, A 2024, 'A qualitative study of the general practice experience of diagnosing and managing long COVID: challenges and practical recommendations', *Australian Journal of General Practice*, vol. 53, no. 10, pp. 732-736. https://doi.org/10.31128/AJGP-10-23-6983

285. Tirrell, Z, Norman, A, Hoyle, M, Lybrand, S & Parkinson, B 2024, 'Bring out your dead: a review of the cost minimisation approach in health technology assessment

submissions to the Australian pharmaceutical benefits advisory committee', *PharmacoEconomics*, vol. 42, no. 11, pp. 1287-1300. https://doi.org/10.1007/s40273-024-01420-9

286. Tong, SYK, Jackson, TM & Lau, AYS 2024, 'Virtual physical examination in teleconsultation: a scoping review', *International Journal of Medical Informatics*, vol. 191, 105561, pp. 1-12. https://doi.org/10.1016/j.ijmedinf.2024.105561

287. Tran, Y, Tang, D, Lo, C, Macken, O, Newall, J, Bierbaum, M & Gopinath, B 2024, 'Establishing multifactorial risk factors for adult-onset hearing loss: a systematic review with topic modelling and synthesis of epidemiological evidence', *Preventive Medicine*, vol. 180, 107882, pp. 1-11. https://doi.org/10.1016/j.ypmed.2024.107882

288. Triandafilidis, Z, Goodwin, N, Hutchinson, K, Jeong, SY-S, Lewis, S, Hodyl, N, Quick, G, Hensby, J & Montague, A 2025, 'Improving dementia and palliative care through the co-design of an integrated model of care', *Australian Health Review*, vol. 49, no. 1, AH24123, pp. 1-6. https://doi.org/10.1071/AH24123

289. Tufanaru, C, Surian, D, Scott, AM, Glasziou, P & Coiera, E 2024, 'The 2-week systematic review (2weekSR) method was successfully blind-replicated by another team: a case study', *Journal of Clinical Epidemiology*, vol. 165, 111197, pp. 1-8. https://doi.org/10.1016/j.jclinepi.2023.10.013

290. van Engen, V, Buljac-Samardzic, M, Baatenburg de Jong, R, Braithwaite, J, Ahaus, K, Den Hollander-Ardon, M, Peters, I & Bonfrer, I 2024, 'A decade of change towards Value-Based Health Care at a Dutch University Hospital: a complexity-informed process study', *Health Research Policy and Systems*, vol. 22, no. 1, 94, pp. 1-19. https://doi.org/10.1186/s12961-024-01181-z

291. Vizheh, M, Zurynski, Y, Braithwaite, J & Rapport, F 2024, 'Determinants of women's agency in accessing and utilising reproductive healthcare services; a systematic review', *Culture, Health and Sexuality*, vol. 26, no. 2, pp. 248-264. https://doi.org/10.1080/13691058.2023.2200814

292. Vizheh, M, Zurynski, Y, Braithwaite, J, Moghadam, ZB & Rapport, F 2024, 'Impact of agency on Iranian women's access to and utilisation of reproductive healthcare services: a qualitative study', *Sexuality Research and Social Policy*, vol. 21, no. 2, pp. 676-689. https://doi.org/10.1007/s13178-024-00938-z

293. Vogt, KS, Johnson, J, Coleman, R, Simms-Ellis, R, Harrison, R, Shearman, N, Marran, J, Budworth, L, Horsfield, C, Lawton, R & Grange, A 2024, 'Can the Reboot coaching programme support critical care nurses in coping with stressful clinical events? A mixed-methods evaluation assessing resilience, burnout, depression and turnover intentions', *BMC Health Services Research*, vol. 24, no. 1, 343, pp. 1-14. https://doi.org/10.1186/s12913-023-10468-w

294. Wabe, N, Huang, G, Silva, SM, Nguyen, AD, Seaman, K, Raban, MZ, Gates, P, Day, R, Close, JCT, Lord, SR & Westbrook, JI 2024, 'A longitudinal study of the use and effects of fall-risk-increasing drugs in residential aged care', *Journal of the American Medical Directors Association*, vol. 25, no. 8, 105074, pp. 1-10. https://doi.org/10.1016/j.jamda.2024.105074

295. Wabe, N, Meulenbroeks, I, Firempong, DC, Raban, MZ, Nguyen, AD, Close, JT, Lord, SR & Westbrook, JI 2024, 'Vitamin D supplementation and falls in residential aged care: a longitudinal multisite cohort study', *Bone Reports*, vol. 22, 101791, pp. 1-9. https://doi.org/10.1016/j.bonr.2024.101791

296. Wabe, N, Meulenbroeks, I, Huang, G, Silva, SM, Gray, LC, Close, JCT, Lord, SR & Westbrook, JI 2024, 'Development and internal validation of a dynamic fall risk prediction and monitoring tool in aged care using routinely collected electronic health data: a landmarking approach', *Journal of the American Medical Informatics Association*, vol. 31, no. 5, pp. 1113-1125. https://doi.org/10.1093/jamia/ocae058

297. Wabe, N, Timothy, A, Urwin, R, Xu, Y, Nguyen, A & Westbrook, JI 2024, 'Analysis of longitudinal patterns and predictors of medicine use in residential aged care using group-based trajectory modeling: the "MEDTRAC-Cardiovascular" longitudinal cohort study', *Pharmacoepidemiology and Drug Safety*, vol. 33, no. 8, e5881, pp. 1-11. https://doi.org/10.1002/pds.5881

298. Wabe, N, Urwin, R, Meulenbroeks, I, Seaman, K, Raban, MZ, Neupane, S, Nguyen, A, Silva, SM, Timothy, A, Batool, N, Pont, L & Westbrook, JI 2025, 'Over- and underuse of proton pump inhibitors in nursing homes: a multisite longitudinal cohort study', *Journal of the American Medical Directors Association*, vol. 26, no. 2, 105393, pp. 1-9. https://doi.org/10.1016/j.jamda.2024.105393

299. Wabe, N, Urwin, R, Seaman, K & Westbrook, JI 2024, 'Longitudinal cohort study of discrepancies between prescribed and administered polypharmacy rates: implications for National Aged Care Quality Indicator Programs', *BMJ Quality and Safety*, vol. 33, no. 12, pp. 780-789. https://doi.org/10.1136/bmjqs-2023-017042

300. Wabe, N, Urwin, R, Seaman, K, Timothy, A, Raban, MZ & Westbrook, J 2024, 'Analysis of longitudinal patterns and predictors of medicine use in residential aged care using group-based trajectory modelling: the MEDTRAC-Polypharmacy longitudinal cohort study', *British Journal of Clinical Pharmacology*, vol. 90, no. 12, pp. 3308-3319. https://doi.org/10.1111/bcp.16220

301. Waheed, M, Xiong, H, Tong, K & Lau, AY 2024, 'What physical examinations are observed during an in-person GP consultation? Automatic extraction using a text-based approach', *International Journal of Medical Informatics*, vol. 192, 105632, pp. 1-8. https://doi.org/10.1016/j.ijmedinf.2024.105632

302. Waller, D, Steinbeck, K, Zurynski, Y, Ho, J, Towns, S, Milojevic, J, Milne, B, Medlow, S, De Queiroz Andrade, E, Doyle, FL & Kohn, M 2024, 'Patient and carer transition outcomes and experiences at the Westmead Centre for Adolescent and Young Adult Health, Westmead, Australia: protocol for a longitudinal cohort study', *BMJ Open*, vol. 14, no. 8, e080149, pp. 1-10. https://doi.org/10.1136/bmjopen-2023-080149

303. Walsan, R, Harrison, R, Braithwaite, J, Westbrook, J, Hibbert, P, Mumford, V & Mitchell, RJ 2024, 'Exploring the association between surgical out-of-pocket costs and healthcare quality outcomes: a retrospective cohort study',

Value in Health, vol. 27, no. 12, pp. 1732-1742. https://doi.org/10.1016/j.jval.2024.09.013

304. Walsan, R, Mitchell, RJ, Braithwaite, J, Westbrook, J, Hibbert, P, Mumford, V & Harrison, R 2024, 'Marked variations in medical provider and out-of-pocket costs for radical prostatectomy procedures in Australia', *Australian Health Review*, vol. 48, no. 2, pp. 167-171. https://doi.org/10.1071/AH24020

305. Wang, M, Jiang, S, Li, B, Parkinson, B, Lu, J, Tan, K, Gu, Y & Li, S 2024, 'Synthesized economic evidence on the cost-effectiveness of screening familial hypercholesterolemia', *Global Health Research and Policy*, vol. 9, no. 1, 38, pp. 1-17. https://doi.org/10.1186/s41256-024-00382-x

306. Weng Choy, K, Cornu, P, Dighe, AS, Georgiou, A, Peters, L, Sikaris, KA & Loh, TP 2024, 'Clinical decision support in laboratory medicine', *Clinical Chemistry*, vol. 70, no. 3, pp. 474-481. https://doi.org/10.1093/clinchem/hvae002

307. Westbrook, JI, Li, L, Badgery-Parker, T, Fitzpatrick, E, Mumford, V, Merchant, A & Raban, MZ 2024, 'How often do parents administer medications to their children in hospital? A prospective direct observational study', *BMJ Open Quality*, vol. 13, no. 4, e003025, pp. 1-5. https://doi.org/10.1136/bmjoq-2024-003025

308. Westbrook, JI, Li, L, Woods, A, Badgery-Parker, T, Mumford, V, Merchant, A, Fitzpatrick, E & Raban, MZ 2024, 'Risk factors associated with medication administration errors in children: a prospective direct observational study of paediatric inpatients', *Drug Safety*, vol. 47, no. 6, pp. 545-556. https://doi.org/10.1007/s40264-024-01408-6

309. Westbrook, JI, Urwin, R, McMullan, R, Badgery-Parker, T, Pavithra, A, Churruca, K, Cunningham, N, Loh, E, Hibbert, P, Maddern, G, Braithwaite, J & Li, L 2024, 'Evaluation of a culture change program to reduce unprofessional behaviours by hospital co-workers in Australian hospitals', *BMC Health Services Research*, vol. 24, no. 1, 722, pp. 1-11. https://doi.org/10.1186/s12913-024-11171-0

310. White, SJ, Nguyen, AD, Roger, P, Tse, T, Cartmill, JA, Hatem, S & Willcock, SM 2024, 'Tailoring communication practices to support effective delivery of telehealth in general practice', *BMC Primary Care*, vol. 25, no. 1, 232, pp. 1-19. https://doi.org/10.1186/s12875-024-02441-1

311. Wiig, S, Calderwood, CJ, Høie, B & Braithwaite, J 2025, 'Sex, drugs and rock 'n' roll: the only reasons for regulators to target individuals', *BMJ Quality and Safety*, vol. 34, no. 1, pp. 62-66. https://doi.org/10.1136/bmjqs-2024-017214

312. Wiig, S, Lyng, HB, Guise, V, Ree, E, Fagerdal, B, Dombestein, H, Schibevaag, L, Braithwaite, J & Haraldseid-Driftland, C 2024, 'From theory to policy in resilient health care: policy recommendations and lessons learnt from the Resilience in Health Care Research Program', *Journal of Patient Safety*, vol. 20, no. 7, pp. e109-e114. https://doi.org/10.1097/PTS.0000000000001258

313. Wijekulasuriya, S, Sa, Z, Badgery-Parker, T, Long, JC, Braithwaite, J, Chapman, DG, Levesque, J-F, Watson, DE, Westbrook, JI & Mitchell, R 2024, 'Factors affecting 12-month unplanned readmissions for chronic obstructive pulmonary disease patients: the effect of mental disorders in an Australian cohort', *Journal of Public Health*, vol. 46, no. 3, pp. e419-e429. https://doi.org/10.1093/pubmed/fdae096

314. Wiles, L, Hibbert, PD, Zurynski, Y, Smith, CL, Arnolda, G, Ellis, LA, Lake, R, Nic Giolla Easpaig, B, Molloy, C, Middleton, S, Braithwaite, J, Hill, K & Turner, T 2024, 'Is it possible to make 'living' guidelines? An evaluation of the Australian Living Stroke Guidelines', *BMC Health Services Research*, vol. 24, no. 1, 419, pp. 1-10. https://doi.org/10.1186/s12913-024-10795-6

315. Woodcroft-Brown, V, Bell, J, Pulle, CR, Mitchell, R, Close, J, McDougall, C, Hurring, S & Sarkies, M 2024, 'Patient, surgical and hospital factors predicting actual first-day mobilisation after hip fracture surgery: an observational cohort study', *Australasian Journal on Ageing*, vol. 43, no. 3, pp. 600-608. https://doi.org/10.1111/ajag.13312

316. Xu, Y, Aung, HL, Hesam-Shariati, N, Keay, L, Sun, X, Phu, J, Honson, V, Tully, P, Booth, A, Lewis, E, Anderson, CS, Anstey, KJ & Peters, R 2024, 'Contrast sensitivity, visual field, color vision, motion perception, and cognitive impairment: a systematic review', *Journal of the American Medical Directors Association*, vol. 25, no. 8, 105098, pp. 1-7. https://doi.org/10.1016/j.jamda.2024.105098

317. Xu, Y, Pouncey, AL, Zhou, Z, Woodward, M & Harris, K 2024, 'Smoking as a risk factor for lower extremity peripheral artery disease in women compared to men: a systematic review and meta-analysis', *PLoS ONE*, vol. 19, no. 4, e0300963, pp. 1-15. https://doi.org/10.1371/journal.pone.0300963

318. Xun, Y, Estill, J, Khabsa, J, Florez, ID, Guyatt, GH, Norris, SL, Lee, MS, Ozaki, A, Qaseem, A, Schünemann, HJ, Shao, R, Chen, Y, Akl, EA & RIGHT-COI&F Working Groups 2024, 'Reporting conflicts of interest and funding in health care guidelines: the RIGHT-COI&F checklist', *Annals of Internal Medicine*, vol. 177, no. 6, pp. 782-790. https://doi.org/10.7326/M23-3274

319. Yip, R, Arnolda, G, Lamprell, K, Nic Giolla Easpaig, B, Chittajallu, R, Delaney, G, Olver, I, Liauw, W & Braithwaite, J 2024, 'Experience of patients considering or using checkpoint inhibitors in cancer treatment: a systematic review of qualitative research', *Journal for ImmunoTherapy of Cancer*, vol. 12, no. 1, e007555, pp. 1-14. https://doi.org/10.1136/jitc-2023-007555

320. Younan, B, Jorgensen, M, Chan, J, Winata, T & Gillies, D 2024, 'Restrictive practice use in people with neurodevelopmental disorders: a systematic review', *Advances in Neurodevelopmental Disorders*, vol. 8, no. 1, pp. 122-140. https://doi.org/10.1007/s41252-023-00367-w

321. Yu, J, Jiang, S, Liu, T, Gao, Y, Ma, X, Fekadu, G, Xia, Y, Parkinson, B, Ming, W & Gu, Y 2025, 'Secondary risk-reducing strategies for contralateral breast cancer in *BRCA1/2* variant carriers: a systematic review and meta-analysis', *Advances in Therapy*, vol. 42, no. 1, pp. 106-131. https://doi.org/10.1007/s12325-024-03054-x

322. Zhang, J, Hu, M, Jia, Y, Gu, Y & Chen, W 2024, 'How should regulatory schemes be optimized to enhance deterrence against medical insurance fraud by enrollees? Evidence from a discrete choice experiment in China', *Social Science and Medicine*, vol. 354, 117059, pp. 1-9. https://doi.org/10.1016/j.socscimed.2024.117059

323. Zhou, Z, You, S, Sakamoto, Y, Xu, Y, Ding, S, Xu, W, Li, W, Yu, J, Wang, Y, Harris, K, Delcourt, C, Reeves, MJ, Lindley, RI, Parsons, MW, Woodward, M, Anderson, C, Du, X, Pu, J, Wardlaw, JM & Carcel, C 2024, 'Covert cerebrovascular changes in people with heart disease: a systematic review and meta-analysis', *Neurology*, vol. 102, no. 8, e209204, pp. 1-14. https://doi.org/10.1212/WNL.0000000000209204

324. Zou, A, Tang, D, Ferguson, M, Sherman, K, McMahon, C, Gill, L, Lau, A, Lee, J, Williamson, S, Davies, E, Sheng, K, O'Toole, S, Georgiou, A, Mukherjee, P, Wolnizer, P & Gopinath, B 2024, 'Protocol for the co-design of an online support service for adults with hearing loss', *PLoS ONE*, vol. 19, no. 9, e0310521, pp. 1-10. https://doi.org/10.1371/journal.pone.0310521

325. Zurynski, Y, Fisher, G, Wijekulasuriya, S, Leask, E, Dharmayani, PNA, Ellis, L, Smith, CL & Braithwaite, J 2024, 'Bolstering health systems to cope with the impacts of climate change events: a review of the evidence on workforce planning, upskilling, and capacity building', *International Journal of Health Policy and Management*, vol. 39, no. 3, pp. 781-805. https://doi.org/10.1002/hpm.3769

LETTERS TO THE EDITOR AND EDITORIALS

1. Fraile-Navarro, D & Lehman, R 2024, 'Proactively designing generative artificial intelligence for primary care', *JAMA Internal Medicine*, vol. 184, no. 8, pp. 991-992. https://doi.org/10.1001/jamainternmed.2024.2584

2. Jiang, S, Parkinson, B & Gu, Y 2024, 'Enhancing neonatal intensive care with rapid genome sequencing', *JAMA Network Open*, vol. 7, no. 2, e240097, pp. 1-3. https://doi.org/10.1001/jamanetworkopen.2024.0097

3. Liu, S, Castillo-Olea, C & Berkovsky, S 2024, 'Emerging applications and translational challenges for AI in healthcare', *Information (Switzerland)*, vol. 15, no. 2, 90, pp. 1-4. https://doi.org/10.3390/info15020090

4. Maher, NG, Scolyer, RA & Liu, S 2025, 'Computer vision methods under rapid evolution for pathology image tasks', *Histopathology*, vol. 86, no. 2, pp. 199-203. https://doi.org/10.1111/his.15352

5. Newman, B, Sarwar, M, Chauhan, A & Harrison, R 2024, 'Co-facilitation to foster equity in codesign: mechanisms underpinning practice', *Patient Education and Counseling*, vol. 118, 108052, pp. 1-2. https://doi.org/10.1016/j.pec.2023.108052

6. Osman, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, 'Beyond the planned and expected: the unintended consequences of telehealth in rural and remote Australia through a complexity lens', *Medical Journal of Australia*, vol. 220, no. 10, pp. 496-498. https://doi.org/10.5694/mja2.52294

7. Wang, L, Liu, S, Jiang, S, Li, C, Lu, L, Fang, Y & Li, S 2024, 'Authors' Reply: "The Need for a Bleed Type–Specific Annual Bleeding Rate in Hemophilia Studies"', *JMIR Public Health and Surveillance*, vol. 10, e54756, pp. 1-2. https://doi.org/10.2196/54756

8. Westbrook, JI, Wabe, N & Raban, MZ 2024, 'Using AI to improve medication safety', *Nature Medicine*, vol. 30, no. 6, pp. 1531-1532. https://doi.org/10.1038/s41591-024-02980-1

9. Wiig, S, Lyng, HB, Braithwaite, J, Greenfield, D & Calderwood, C 2024, 'Foundations of safety: Realistic Medicine, trust, and respect between professionals and patients', *International Journal for Quality in Health Care*, vol. 36, no. 1, mzae006, pp. 1-2. https://doi.org/10.1093/intqhc/mzae006

10. Woodcroft-Brown, V, Bell, J, Pulle, CR, Mitchell, R, Close, J, McDougall, C, Hurring, S & Sarkies, M 2024, 'Response to Letter to the editor', *Australasian Journal on Ageing*, vol. 43, no. 4, pp. 869-870. https://doi.org/10.1111/ajag.13367

FULL CONFERENCE PAPERS

1. Afzal, N, Nguyen, A & Lau, AYS 2024, A temporospatial analysis of activity patterns for fall risk assessment in older adults with comorbid type 2 diabetes. in J Bichel-Findlay (ed.), *Health. Innovation. Community: It starts with us: Papers from the 28th Australian Digital Health and Health Informatics Conference (HIC 2024)*. Studies in Health Technology and Informatics, vol. 318, IOS Press, Amsterdam, pp. 178-179, Australian Digital Health and Health Informatics Conference (HIC 2024), Brisbane, Queensland, Australia, 5/08/24. https://doi.org/10.3233/SHTI240916

2. Danaei Mehr, H, Noorani, I, Rana, P, Di Ieva, A & Liu, S 2024, AI in neuro-oncology: predicting EGFR amplification in glioblastoma from Whole Slide Images using Weakly Supervised Deep Learning. in J Finkelstein, R Moskovitch & E Parimbelli (eds), *Artificial Intelligence in Medicine: 22nd International Conference, AIME 2024 Proceedings, Part II*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 14845 LNAI, Springer, Springer Nature, Switzerland, pp. 21-29, 22nd International Conference on Artificial Intelligence in Medicine, AIME 2024, Salt Lake City, United States, 9/07/24. https://doi.org/10.1007/978-3-031-66535-6_3

3. Gunawan, R, Tran, Y, Zheng, J, Nguyen, H, Carrigan, A, Mills, MK & Chai, R 2024, Comparing inclusion methods on juxta-pleural into lung parenchyma. in *46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2024 - Proceedings*. Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, Institute of Electrical and Electronics Engineers (IEEE), Orlando, FL, 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2024, Orlando, United States, 15/07/24. https://doi.org/10.1109/EMBC53108.2024.10782719

4. Hou, S, Zhan, J & Xiong, H 2024, FAM-Logo: forward compatible multimodal framework for Few-Shot Logo Incremental classification. in *ACMMM CL 2024: Proceedings of the 1st Continual Learning meets Multimodal Foundation Models: Fundamentals and Advances*. Association for Computing Machinery (ACM), New York, NY, pp. 31-38, 1st Continual Learning meets

Multimodal Foundation Models: Fundamentals and Advances, ACMMM CL 2024, Melbourne, Australia, 28/10/24. https://doi.org/10.1145/3688859.3690082

5. Li, J, Hardie, R-A, Dahm, MR & Georgiou, A 2024, The impact and usability of the eRIC system in the ICU: a qualitative study. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 1096-1100. https://doi.org/10.3233/SHTI231134

6. Li, J, Scowen, C, Loten, C, Eigenstetter, A, Thomas, J, Prgomet, M, Baysari, M & Georgiou, A 2024, A real-time dashboard approach to decision support: an exercise in co-design. in J Mantas, A Hasman, G Demiris, K Saranto, M Marschollek, TN Arvanitis, I Ognjanović, A Benis, P Gallos, E Zoulias & E Andrikopoulou (eds), *Digital Health and Informatics Innovations for Sustainable Health Care Systems: Proceedings of MIE 2024*. Studies in Health Technology and Informatics, vol. 316, IOS Press, Amsterdam, pp. 137-141, 34th Medical Informatics in Europe Conference, MIE 2024, Athens, Greece, 25/08/24. https://doi.org/10.3233/SHTI240363

7. Li, J, Scowen, C, Loten, C, Saffi Franco, G, Eigenstetter, A, Thomas, J, Prgomet, M, Baysari, MT & Georgiou, A 2024, Understanding workflow nuances that affect the use of a laboratory test ordering support tool. in J Bichel-Findlay (ed.), *Health. Innovation. Community: It starts with us: Papers from the 28th Australian Digital Health and Health Informatics Conference (HIC 2024)*. Studies in Health Technology and Informatics, vol. 318, IOS Press, Amsterdam, pp. 96-101, Australian Digital Health and Health Informatics Conference (HIC 2024) , Brisbane, Queensland, Australia, 5/08/24. https://doi.org/10.3233/SHTI240898

8. Li, L, Rathnayake, K, Walter, S, Fullick, M, Shetty, A, Hudson, P, Lander, H & Westbrook, JI 2024, Blood culture ordering after sepsis alerts and subsequent patient outcomes: an electronic health record-based study. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 314-318, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI230978

9. Luckraj, N, Strazzari, R, Coiera, E & Magrabi, F 2024, Assessing the safety of a new clinical decision support system for a national helpline. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 514-518, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231018

10. Lyell, D, Lustig, A, Denyer, K, Vedantam, S & Magrabi, F 2024, Using clinical simulation to evaluate AI-enabled decision support. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 299-303, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI230975

11. Matsushima, R, Hijikata, Y & Berkovsky, S 2024, Proponents as the means to increase the uptake of recommendations. in *UMAP 2024 - Proceedings of the 32nd ACM Conference on User Modeling, Adaptation and Personalization*. Association for Computing Machinery, Inc, USA, pp. 255-260, 32nd Conference on User Modeling, Adaptation and Personalization, UMAP 2024, Cagliari, Italy, 1/07/24. https://doi.org/10.1145/3627043.3659544

12. Muli, I, Cajander, Å, Rahimi Ardabili, H, Taloyan, M & Hägglund, M 2024, Video consultations and environmental sustainability: usability's impact on long-term use. in J Mantas, A Hasman, G Demiris, K Saranto, M Marschollek, TN Arvanitis, I Ognjanović, A Benis, P Gallos, E Zoulias & E Andrikopoulou (eds), *Digital Health and Informatics Innovations for Sustainable Health Care Systems: Proceedings of MIE 2024*. Studies in Health Technology and Informatics, vol. 316, IOS Press, Amsterdam, pp. 291-295, 34th Medical Informatics in Europe Conference, MIE 2024, Athens, Greece, 25/08/24. https://doi.org/10.3233/SHTI240401

13. Prgomet, M & Westbrook, J 2024, A work-sampling approach for assessing adequate availability of computers on hospital wards. in J Mantas, A Hasman, G Demiris, K Saranto, M Marschollek, TN Arvanitis, I Ognjanović, A Benis, P Gallos, E Zoulias & E Andrikopoulou (eds), *Digital Health and Informatics Innovations for Sustainable Health Care Systems: Proceedings of MIE 2024*. Studies in Health Technology and Informatics, vol. 316, IOS Press, Amsterdam, pp. 1135-1139, 34th Medical Informatics in Europe Conference, MIE 2024, Athens, Greece, 25/08/24. https://doi.org/10.3233/SHTI240610

14. Raban, MZ, Merchant, A, Clay, C, Fitzpatrick, E & Westbrook, JI 2024, The Health Innovation Series: translating research evidence into practice. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 339-343, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI230983

15. Ransolin, N, Saurin, TA, Formoso, CT, Clay-Williams, R & Rapport, F 2024, Built environment design knowledge framework supportive of resilient healthcare. in DB Costa, F Drevland & L Florez-Perez (eds), *Proceedings of the 32nd Annual Conference of the International Group for Lean Construction (IGLC32)*. International Group for Lean Construction (IGLC), Auckland, pp. 60-71, 32nd Annual Conference of the International Group for Lean Construction, IGLC 2024, Auckland, New Zealand, 1/07/24. https://doi.org/10.24928/2024/0186

16. Schroeder, T, Nguyen, AD, Seaman, K, Gewald, H & Georgiou, A 2024, Utilising mobile health apps: a comparison of GP perceptions across Australia and Germany. in J Bichel-Findlay, P Otero, P Scott & E

Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 424-428, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231000

17. Shangguan, G, Xiong, H, Liu, D & Shen, H 2024, Fast and efficient brain extraction with recursive MLP based 3D UNet. in B Luo, L Cheng, Z-G Wu, H Li & C Li (eds), *Neural Information Processing: 30th International Conference, ICONIP 2023, Proceedings, Part III*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 14449 LNCS, Springer, Springer Nature, Singapore, pp. 578-588, 30th International Conference on Neural Information Processing, ICONIP 2023, Changsha, China, 20/11/23. https://doi.org/10.1007/978-981-99-8067-3_43

18. Sharan, RV & Xiong, H 2024, Evaluation of cough sound segmentation algorithms in the presence of background noise. in *2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, Institute of Electrical and Electronics Engineers (IEEE), United States, 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Conference, EMBC 2024, Orlando, Florida, United States, 15/07/24. https://doi.org/10.1109/EMBC53108.2024.10782675

19. Susanto, AP, Lyell, D, Widyantoro, B, Berkovsky, S & Magrabi, F 2024, How well do AI-enabled decision support systems perform in clinical settings? in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 279-283, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI230971

20. Tabassum, M, Rana, P, Suero Molina, E, Di Ieva, A & Liu, S 2024, Cross-modality synthesis of T1c MRI from non-contrast images using GANs: implications for brain tumor research. in J Finkelstein, R Moskovitch & E Parimbelli (eds), *Artificial Intelligence in Medicine: 22nd International Conference, AIME 2024 Proceedings, Part II*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 14845 LNAI, Springer, Springer Nature, Switzerland, pp. 60-69, 22nd International Conference on Artificial Intelligence in Medicine, AIME 2024, Salt Lake City, United States, 9/07/24. https://doi.org/10.1007/978-3-031-66535-6_7

21. Waheed, M, Xiong, H & Lau, AYS 2024, Automated extraction of physical examination interactions in general practice consultations: a multi-modal using images and text base approaches. in J Bichel-Findlay (ed.), *Health. Innovation. Community: It starts with us: Papers from the 28th Australian Digital Health and Health Informatics Conference (HIC 2024)*. Studies in Health Technology and Informatics, vol. 318, IOS Press, Amsterdam, pp. 190-191, Australian Digital Health and Health Informatics Conference (HIC 2024), Brisbane, Queensland, Australia, 5/08/24. https://doi.org/10.3233/SHTI240922

22. Wang, Y, Lyell, D, Coiera, E & Magrabi, F 2024, Automating the identification of safety events involving machine learning-enabled medical devices. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 604-608, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231036

23. Westbrook, JI, Li, L, Woods, A, Badgery-Parker, T, Mumford, V & Raban, MZ 2024, Stepped-wedge cluster RCT to assess the effects of an electronic medication system on medication administration errors. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 329-333. https://doi.org/10.3233/shti230981

24. Westbrook, JI, Seaman, K, Wabe, N, Raban, MZ, Urwin, R, Badgery-Parker, T, Mecardo, C, Mumford, V, Nguyen, AD, Root, J, Balmer, S, Waugh, K, Pinto, S, Burge, B, Aldeguer, E, Dunstan, T, Jorgensen, M, Gray, L, Bucknall, T, Etherton-Beer, C, Newell, B, Caughey, G, Beattie, E, Xenos, K & Cumming, A 2024, Designing an informatics infrastructure for a National Aged Care Medication Roundtable. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 404-408, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI230996

25. Xu, S, Xiong, H, Wu, Q, Wang, Z, Berkovsky, S & Wang, Z 2024, Fast online adaptation of visual SLAM via Variational Information Transfer and Preservation. in *Proceedings of the 6th ACM International Conference on Multimedia in Asia.*, 51, Association for Computing Machinery (ACM), New York, NY, pp. 1-7, 6th ACM International Conference on Multimedia in Asia, Auckland, New Zealand, 3/12/24. https://doi.org/10.1145/3696409.3700212

26. Yan, S, Liu, S, Di Ieva, A, Pagnucco, M & Song, Y 2024, Meta-transfer learning for few-shot meningioma segmentation. in *IEEE International Symposium on Biomedical Imaging, ISBI 2024: Conference Proceedings*. Proceedings - International Symposium on Biomedical Imaging, Institute of Electrical and Electronics Engineers (IEEE), Athens, 21st IEEE International Symposium on Biomedical Imaging, ISBI 2024, Athens, Greece, 27/05/24. https://doi.org/10.1109/ISBI56570.2024.10635194

27. Yuan, C, Xiong, H, Shangguan, G, Shen, H, Liu, D, Zhang, H, Liu, Z, Qian, K, Hu, B, Schuller, BW, Yamamoto, Y & Berkovsky, S 2024, Deep fusion of shifted MLP and CNN for medical image segmentation. in *2024 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2024: Proceedings*. ICASSP, IEEE International Conference on Acoustics, Speech and

Signal Processing - Proceedings, Institute of Electrical and Electronics Engineers (IEEE), Korea, pp. 1676-1680, 49th IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2024, Seoul, Republic of Korea, 14/04/24. https://doi.org/10.1109/ICASSP48485.2024.10446716

28. Yuan, Z, Xiong, H & Hou, S 2024, EAGLE Network: a novel incremental learning framework for detecting unknown logos in open-world environments. in *ACMMM CL '24: Proceedings of the 1st Continual Learning meets Multimodal Foundation Models: Fundamentals and Advances*. Association for Computing Machinery, Inc, New York, NY, pp. 23-30, 1st Continual Learning meets Multimodal Foundation Models: Fundamentals and Advances, ACMMM CL 2024, Melbourne, Australia, 28/10/24. https://doi.org/10.1145/3688859.3690081

29. Zhang, J, Xiong, H, Jin, Q, Feng, T, Ma, J, Xuan, P, Cheng, P, Ning, Z, Ning, Z, Li, C, Wang, L & Cui, H 2024, A multi-information dual-layer cross-attention model for esophageal fistula prognosis. in MG Linguraru, Q Dou, A Feragen, S Giannarou, B Glocker, K Lekadir & JA Schnabel (eds), *Medical Image Computing and Computer Assisted Intervention – MICCAI 2024: 27th International Conference on Medical Image Computing and Computer Assisted Intervention, Proceedings, Part V*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 15005 LNCS, Springer, Springer Nature, Switzerland, pp. 25-35, 27th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2024, Marrakesh, Morocco, 6/10/24. https://doi.org/10.1007/978-3-031-72086-4_3

30. Zhang, J, Xiong, H, Zang, H, Zhou, M, Liu, D, Liu, Z & Shen, H 2024, AuxSegCount: auxiliary seg-Attention based network for wheat ears counting in field conditions. in *2024 IEEE International Conference on Multimedia and Expo, ICME 2024*. Proceedings - IEEE International Conference on Multimedia and Expo, Institute of Electrical and Electronics Engineers (IEEE), Canada, 2024 IEEE International Conference on Multimedia and Expo, ICME 2024, Niagra Falls, Canada, 15/07/24. https://doi.org/10.1109/ICME57554.2024.10687917

COMMISSIONED REPORTS

1. Braithwaite, J, Spanos, S, Hibbert, PD, Churruca, K, Ellis, LA, Fisher, G, Long, JC, Berkovsky, S, Cutler, H, Clay-Williams, R, Mitchell, R & Zurynski, Y 2024, *Feedback and Consultation Report of the Australian Institute of Health Innovation (AIHI): on the AIHW Health System Performance Framework and Conceptual Model: discussion paper*.

2. Chomik, R, Khan, FJ & Temple, J 2024, *Migration and ageing: How cultural and linguistic diversity is set to boom among older Australians*. Australian Research Council Centre of Excellence in Population Ageing Research (CEPAR), Kensington, NSW. ‹https://cepar.edu.au/sites/default/files/2024-CEPAR-Research-Brief-Migration-Ageing.pdf›

3. Cutler, H, Fooken, J, Bilgrami, A, Norman, A, Aghdaee, M & Rapport, F 2024, *Embedding greater value into mental health care*. Macquarie University. ‹https://www.mq.edu.au/__data/assets/pdf_file/0004/1304896/getting-more-value-from-mental-healthcare-funding-and-investment.pdf›

4. Ellis, L & Churruca, K 2024, *Develop and test a short patient safety culture question set: Final Report*.

5. Ellis, L, Fisher, G, Saba, M, Spanos, S, Vizheh, M, Foo, D, Clay-Williams, R & Hibbert, PD 2024, *Quality and Safety in Primary Care: an environmental scan of frameworks and indicators*.

6. Fitzpatrick, E, Merchant, A, Raban, MZ & Westbrook, JI 2024, *Does your drop-down menu present safe options?* Health Innovation Series, no. 19, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/P1W7-P418

7. Fitzpatrick, E, Merchant, A, Raban, MZ & Westbrook, JI 2024, *So many options in the Dose Calculator, which dose is right?* Health Innovation Series, no. 22, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/V0M5-Q650

8. Fitzpatrick, E, Merchant, A, Westbrook, JI & Raban, MZ 2024, *Are you on autopilot? Fatal errors involving automated dispensing cabinets*. Health Innovation Series, no. 24, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/Y0XT-JZ79

9. Fitzpatrick, E, Merchant, A, Westbrook, JI & Raban, MZ 2024, *Patching the system: transdermal patch removal reminders*. Health Innovation Series, no. 25, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/563Y-QA68

10. Fitzpatrick, E, Merchant, A, Westbrook, JI & Raban, MZ 2024, *The dangers of copying a previous order. Don't be a copycat*. Health Innovation Series, no. 20, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/YNMY-SN59

11. Harrison, R, Chauhan, A & Kolic, J 2024, *NHMRC Smarter Hospitals: Change Scorecard Report*.

12. Harrison, R, Osman, S, Adams, C & Chauhan, A 2024, *NHMRC Smarter Hospitals Project: Change Manager Report*. NSW Health Department.

13. Harrison, R, Sina, M, Adams, C, Osman, S, Ellis, LA, Walsan, R & Mitchell, R 2024, *Clinician experience of providing virtual care in NSW*. Australian Institute of Health Innovation, Macquarie University.

14. Harrison, R, Sina, M, Walsan, R, Adams, C, Ellis, LA & Mitchell, R 2024, *Clinician experience of providing care in Leading Better Value Care (LBVC) initiatives in NSW*.

15. Hibbert, P 2024, *A proposed draft set of indicators for HEALTH-IQ Work Package 3: Integrated information system for the measurement and evaluation of quality (IISMEQ) health care and health services*. World Health Organisation, Regional Office for Europe.

16. Hibbert, P & Bierbaum, M 2024, *International Health and Hospital Performance Frameworks: an updated review. World Health Organisation*, Regional Office for Europe.

17. Lystad, RP, Wijekulasuriya, S, Chauhan, A, Arnolda, G, Cheek, C, Harrison, R & Mitchell, R 2024, *Rapid review of the literature on paediatric end-of-life care*. Australian Commission on Safety and Quality in Healthcare.

18. Magrabi, F, Bates, L, Brooke-Cowden, K, Jayawardena, T, Wang, A, Coiera, E, Aquino, YSJ, Frost, E, Carter, S, Adams, C & Almohanna, A 2024, *Literature review and environmental scan report: AI implementation in hospitals: legislation, policy, guidelines and principles, and evidence about quality and safety*. ‹https://www.safetyandquality.gov.au/publications-and-resources/resource-library/ai-implementation-hospitals-legislation-policy-guidelines-and-principles-and-evidence-about-quality-and-safety›

19. Merchant, A, Fitzpatrick, E, Westbrook, JI & Raban, MZ 2024, *The curious case of the 100-fold overdose*. Health Innovation Series, no. 21, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/CTFN-KP70

20. Merchant, A, Fitzpatrick, E, Westbrook, JI & Raban, MZ 2024, *The devil is in the detail: safe paracetamol dosing for under- and overweight children and adults*. Health Innovation Series, no. 23, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/W6G8-2K59

21. Raban, MZ, Merchant, A, Fitzpatrick, E, Woods, A & Westbrook, JI 2024, *What time is the next dose due? Avoid errors by updating the schedule!* Health Innovation Series, no. 18, vol. e-Medication Safety, Australian Institute of Health Innovation, Macquarie University. https://doi.org/10.25949/FC6Q-K566

22. Smith, CL, Fisher, G, Ellis, LA, Haywood, P, Abiona, O, Hulme, A, Rana, R & Zurynski, Y 2024, *The anticipated impacts of climate-change-related factors on the NSW Health workforce: an Evidence Check rapid review brokered by the Sax Institute (www.saxinstitute.org.au) for the NSW Ministry of Health*. Sax Institute, Australia.

23. Spanos, S, Fisher, G, Saba, M, Hibbert, P, Georgiou, A & Ellis, L 2024, *Incident Management Systems in Primary Care: a review of grey and academic literature*.

24. Spanos, S, Pagano, L, Fisher, G, Long, J, Ellis, L & Braithwaite, J 2024, *Proactive Primary Care Project – Independent Evaluation: BUNDLE # 1: Independent evaluation consultation report*.

25. Walsan, R & Harrison, R 2024, *Evaluation of the SEED Healthcare Staff Wellness Program in Illawarra Shoalhaven Local Health District: insights from document analysis*. Australian Institute of Health Innovation, Macquarie University.

OTHER PEER-REVIEWED OUTPUTS – CONFERENCE ABSTRACTS IN JOURNALS

1. Andersen, A-MN, Aradhya, S, Bilsteen, JF, Bowden, N, Early, E, Falster, K, Flatø, M, French, R, Hagemann, E, Harron, K, Keating, J, Gissler, M, Mitchell, R, Montgomerie, A, Nickell, N, Papanicolas, I, Pilkington, R, Romitti, P, Ratnasingham, S, Smithers, L, Valdés, N & Wilson, B 2024, 'IPDLN Workshop: Opportunities for cross-country comparisons of linked administrative education and health data', *International Journal of Population Data Science*, vol. 9, no. 5, 427. https://doi.org/10.23889/ijpds.v9i5.2925.

2. Carrigan, A, Singh, N, Davis, E, Jones, T, Braithwaite, J & Zurynski, Y 2024, 'Integration of psychological support into paediatric Type 1 diabetes services in Australia: reality or myth?', *International Journal of Integrated Care*, vol. 24, no. S1, 189. https://doi.org/10.5334/ijic.APIC3189

3. Chauhan, A, Newman, B & Harrison, R 2024, 'Developing guiding principles for enhancing participation of culturally and linguistically diverse consumers in cancer systems and services consumer engagement activities', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 416, pp. 205-206.

4. Chauhan, A, Van Poucke, M, Sarwar, M, Tieu, T, Sansom-Daly, U, Manias, E & Harrison, R 2024, 'What factors influence advance care planning uptake among culturally and linguistically diverse populations?', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 415, pp. 205.

5. Chitkara, U, Harrison, R, Walson, R, Chauhan, A & Sansom-Daly, U 2024, 'How does the health system support advance care planning with culturally and linguistically diverse communities? A document analysis', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 280, pp. 147.

6. Easpaig, BNG, Newman, B, Johnson, J, Sansom-Daly, UM, Jones, L, Hofstatter, L, Robertson, EG & Harrison, R 2024, 'Partnering to address a gap in support for cancer caregivers: co-designing the iCanSupport Program', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 534, pp. 255-256.

7. Fardell, J, Laidsaar-Powell, R, Harrison, R, Newman, B & Francis-Auton, E 2024, 'Improving equity and quality cancer care through meaningful inclusion in research: co-design with priority and under-served cancer populations', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 46, pp. 72-73.

8. Francis-Auton, E, Cheek, C, Harrison, R & Clay-Williams, R 2024, 'A state-of-the-art literature review of how experience is represented in published empirical studies. Implications for codesign in cancer research and practice', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, pp. 75.

9. Harrison, R, Chauhan, A, Sarwar, M, Li, M & Gorgees, P 2024, 'Navigating cross cultural communication in co-design', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, 49, pp. 74.

10. Hough, J, Blizzard, C, Graco, M, Malpress, K, Ngo, S, Hutchinson, K & Hartmann, J 2024, 'Breaking down barriers: exploring the involvement of people with lived experience in MND research in Australia', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, vol. 25, no. Supplement 1, CLT-37, pp. 253.

11. Mitchell, R, Burns, N, Glozier, N & Nielssen, O 2024, 'Predictors of high hospital admission and criminal reoffending in adults experiencing homelessness: a retrospective cohort study', *International Journal of*

Population Data Science, vol. 9, no. 5. ‹https://ijpds.org/article/view/2480›

12. Mitchell, R, Delaney, G, Arnolda, G, Liauw, W, Phillips, J, Lystad, R, Harrison, R & Braithwaite, J 2024, 'Potentially burdensome care at the end-of-life for people who had a death from cancer: a retrospective population-level cohort study', *International Journal of Population Data Science*, vol. 9, no. 5, 001. https://doi.org/10.23889/ijpds.v9i5.2479
13. Newman, B, Mimmo, L, Van Hoeke, M, Tokutake, M, Phillips, K, Van Hoek, D, Bowen, K, Manias, E, Paterson, P & Harrison, R 2024, 'Codesigning with people with intellectual disability', *Asia-Pacific Journal of Clinical Oncology*, vol. 20, no. S3, pp. 74.
14. Suero Molina, E, Tabassum, M, Azemi, G, Özdemir, Z, Valls Chavarria, A, Roll, W, Thomas, C, Russo, C, Liu, S, Stummer, W & Di Ieva, A 2024, 'Synthetic [18F]FET-PET generation and hotspot prediction via preoperative MRI of glioma lacking radiographic high-grade characteristics', *Neuro-Oncology*, vol. 26, no. Supplement 5, JS08.6, pp. v14-v15. https://doi.org/10.1093/neuonc/noae144.040
15. Zurynski, Y, Singh, N, Carrigan, A, Smith, C, Bebbington, K, Davis, E, Jones, T & Braithwaite, J 2024, 'Psychosocial complexity and limited preparation for transition to adult services for young people living with type-1 diabetes results in care fragmentation: a multi-method study', *Hormone Research in Paediatrics*, vol. 97, no. Supplement 2, P-53, pp. 98.
16. Zurynski, Y, Singh, N, Carrigan, A, Smith, C, Saba, M, Sina, M, Davis, E, Jones, T & Braithwaite, J 2024, 'Only 50% of parents confident they have adequate knowledge to manage their child's type 1 diabetes: need for greater involvement of families with clinical teams, education, tools and supports', *Hormone Research in Paediatrics*, vol. 97, no. Supplement 2, P-59, pp. 101.

OTHER PEER-REVIEWED OUTPUTS – CONFERENCE ABSTRACTS OR POSTERS

1. Ackermann, K, Aryal, N, Westbrook, J & Li, L 2024, 'Rate and characteristics of amputation procedures in sepsis patients', World Congress of Epidemiology WCE 2024, Cape Town, South Africa, 24/09/24 - 27/09/24.
2. Ackermann, K, Lynch, I, Aryal, N, Westbrook, J & Li, L 2024, 'Sepsis survivors readmitted with sepsis or pneumonia: systematic review and meta-analysis', World Congress of Epidemiology WCE 2024, Cape Town, South Africa, 24/09/24 - 27/09/24.
3. Ackermann, K, Westbrook, J & Li, L 2024, Usability of clinical decision support for adult sepsis detection. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 1380-1381, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231204
4. Braithwaite, J, Fisher, G, Ellis, L, Spanos, S, Long, J, Churruca, K, Pagano, L, Smith, C & Zurynski, Y 2024, 'Beyond the aspirational: a comparative study of the future of the US healthcare system in the international context', AcademyHealth's 2024 Annual Research Meeting (ARM), Baltimore, 29/06/24 - 2/07/24. ‹https://vmx.m-anage.com/us/2024arm/en-US/presentation/653922›
5. Braithwaite, J, Smith, C, Ellis, L, Fisher, G, Dammery, G, Spanos, S, Long, J, Churruca, K, Pagano, L, Patel, R, Leask, E & Zurynski, Y 2024, 'Moving to a Learning Health System 2.0 (LHS 2.0) model: applications to the US and OECD health systems', AcademyHealth's 2024 Annual Research Meeting (ARM), Baltimore, 29/06/24 - 2/07/24. ‹https://vmx.m-anage.com/us/2024arm/en-US/presentation/653921›
6. Braithwaite, J, Smith, CL, Leask, E, Wijekulasuriya, S, Brooke-Cowden, K, Fisher, G, Patel, R, Pagano, L, Rahimi-Ardabili, H, Spanos, S, Rojas, C, Partington, A, McQuillan, E, Dammery, G, Carrigan, A, Ehrenfeld, L, Coiera, E, Westbrook, J & Zurynski, Y 2024, 'Ways to reduce healthcare's impact on climate change: a systematic review', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24. https://epostersonline.com/isqua2024/node/2656
7. Braithwaite, J, Spanos, S, Leask, E, Patel, R & Datyner, M 2024, 'Physician leadership: the roles and competencies required to navigate complex healthcare systems context', AcademyHealth's 2024 Annual Research Meeting (ARM), Baltimore, USA, 29/06/24 - 2/07/24. https://vmx.m-anage.com/us/2024arm/en-US/presentation/652300
8. Braithwaite, J, Zurynski, Y, Ellis, L, Smith, CL & Fisher, G 2024, 'Decarbonising healthcare systems: we all have a role to play', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24.
9. Chauhan, A, Newman, B & Harrison, R 2024, 'Patient-centred communication to improve patient safety', International Conference on Communication in Healthcare (ICCH 2024), Zaragoza, Spain, 9/09/24 - 13/09/24.
10. Cheek, C, Austin, E, Richardson, L, Ransolin, N, Francis-Auton, E, Dominello, A, Testa, L, Murphy, M, De los Santos, A, Vukasovic, M & Clay-Williams, R 2024, 'Observing work-as-done: insights into institutional work and digital systems in healthcare', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
11. Cheek, C, Richardson, L, Austin, E & Clay-Williams, R 2024, 'I can't get no satisfaction: Building occupational wellbeing into patient care improvement in the Emergency Department', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24. ‹https://epostersonline.com/isqua2024/poster/p581?view=true›
12. Churruca, K, Ellis, L, Saba, M & Braithwaite, J 2024, 'Changing 'the way we do things around here': improving organisational culture for staff and residents in residential aged care, ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24.
13. de Groot, A, Hutchinson, K, Lingam, R, Fletcher, J, Hickman, A, Jack, M, Smithers-Sheedy, H & Zurynski, Y 2024, 'Coordinating rural healthcare to support whole families caring for children with medical complexity', North American Conference on Integrated Care, Calgary, Canada, 15/10/24 - 17/10/24.

14. Dimeski, G, Prgomet, M, Thomas, J, Li, J & Georgiou, A 2024, 'Mobile point of care testing (PoCT) service using i-Stat analysers to support Residential Aged Care Facilities (RACFs) in Metro-South Health, Brisbane: a case study', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

15. Ellis, L, Churruca, K, Spanos, S, Saba, M, Foo, D & Braithwaite, J 2024, 'The digital direct-to-consumer telemedicine revolution: consumer perspectives of benefits and pitfalls', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 153-154.

16. Ellis, L, Spanos, S, Long, J, Saba, M, Churruca, K, Leask, E, Schroeder, T, de Montemas, W & Braithwaite, J 2024, 'Resilience in Australian Healthcare: team factors that enable and hinder adaptive capacity', Resilient Health Care Society Summer Meeting 2024, Stavanger, Norway, 9/06/24 - 12/06/24.

17. Ellis, LA, Fisher, G, Saba, M, Dammery, G, Churruca, K, Spanos, S, Smith, CL, Forrester, B, Zurynski, Y & Braithwaite, J 2024, 'What's in a Learning Health System? A systematic review of emerging definitions, models, and frameworks', ISQua's 40th International Conference 2024, Istanbul, Türkiye, Istanbul, 24/09/24 - 27/09/24.

18. Engel, C, Wiig, S, Ellis, L, Bø Lyng, H & Haraldseid-Driftland, C 2024, 'Leadership support for resilience and mental wellbeing status, challenges, and road ahead', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24.

19. Fisher, G, Ellis, L, Saba, M, Spanos, S, Smith, CL, Zurynski, Y & Braithwaite, J 2024, 'What's in a Learning Health System? A rapid review of emerging definitions, models, and frameworks', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 147-148.

20. Fisher, G, Spanos, S, Pagano, L, Smith, CL, Ellis, L, Churruca, K, Tran, Y, Zurynski, Y & Braithwaite, J 2024, 'Mobilizing implementation science to tackle the impacts of pandemics and climate change: a scoping review of health system strategies', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24. https://epostersonline.com/isqua2024/poster/p669

21. Goirand, M, Austin, E & Clay-Williams, R 2024, 'Ethics are relational: a Critical Systems Thinking approach to implementing ethics in medical AI', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 65-66.

22. Goirand, M, Austin, E & Clay-Williams, R 2024, Participatory process anchored in systems thinking for implementing ethics in medical AI: a qualitative study. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics.* Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 1522-1523, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231274

23. Goirand, M, Austin, E, Ransolin, N & Clay-Williams, R 2024, 'Welcoming an AI in a medical setting: a Critical Systems Thinking approach', Human Factors and Ergonomics Society of Australia HFESA 2024 Conference -Human-Centred Futures, Brisbane, Australia, 25/11/24 - 27/11/24.

24. Goirand, M, Parkinson, B, Quadri, H, Piu, ZA, Saba, N & Gu, Y 2024, 'Impact of hearing loss on quality of life: a qualitative study', Emerging Health Policy and Economics Research Conference, Sydney, Australia, 5/02/24.

25. Gyawali, R, Gamboa, S, Rolfe, K, Westbrook, J & Raban, M 2024, '"Looking for reassurance": systematic review of consumer perspectives on antibiotic use in residential aged care', 57th Australian Association of Gerontology (AAG) Conference, Hobart, Australia, 12/11/24 - 15/11/24.

26. Gyawali, R, O'Donnell, M, Jenkins, R, Nguyen, AD, Yadav, L, Seaman, K, Westbrook, J & Raban, MZ 2024, '"Just make them easier": stakeholders' perceptions of medication management reviews in residential aged care', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

27. Hough, J, Hutchinson, K, Graco, M, Keith, M, Ngo, S & Blizzard, C 2024, 'Breaking down barriers: exploring the involvement of people with lived experience in MND research Australia', Australia and New Zealand MND Research Symposium, 27/08/24 - 28/08/24. <https://www.youtube.com/watch?v=XDV4X7-YMWo&list=PLpLXU2QzUiV5WYWsveDzUL4r2OJFBzooc&index=4>

28. Hutchinson, K, Fisher, G, Schutz, A, Carr, S, Goodwin, N, Heard, S, Reynolds, M & Hogden, A 2024, 'Outcomes of an implementation evaluation of a motor neurone disease multidisciplinary clinic in regional New South Wales, Australia', ICIC24 - 24th International Conference on Integrated Care, Belfast, United Kingdom, 22/04/24 - 24/04/24.

29. Hutchinson, K, Schutz, A, Fisher, G, Carr, S, Reynolds, M, Heard, S, Goodwin, N & Hogden, A 2024, 'Valuable insights from the evaluation of a motor neuron disease multidisciplinary clinic in regional New South Wales', MND NSW Special Interest Group Workshop, 26/09/24.

30. Hutchinson, K, Zurynski, Y, Smithers-Sheedy, H, de Groot, A, Murphy, J, Kundukulam, M, Preddy, J, Fletcher, J & Lingam, R 2024, 'Lessons learned: implementation of a rural paediatric care coordination service for children with medical complexity in New South Wales, Australia', International Conference on Integrated Care, Belfast, United Kingdom, 22/04/24 - 24/04/24.

31. Hutchinson, KA, Lingam, R, Smithers-Sheedy, H, Zurynski, Y & Rural Kids Guided Personalised Service (Rural KidsGPS) Investigators Group 2024, 'Implementation experiences of providing care coordination for children with medical complexity in rural Australia', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 231-232.

32. Li, J, Prgomet, M, Baysari, M & Georgiou, A 2024, 'When diagnostics and digital health collide: benefit or bedlam?', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

33. Li, J, Prgomet, M, Thomas, J, Dimeski, G & Georgiou, A 2024, 'Point of care testing (PoCT) standards: how do Australia's national standards compare?', 13th Health

Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

34. Li, L & Westbrook, JI 2024, 'Incidence and Mortality of Sepsis in Australian Public Hospitals, a Longitudinal Nationwide Epidemiology Study of 739 Hospitals', World Congress of Epidemiology WCE 2024, Cape Town, South Africa, 24/09/24 - 27/09/24.
35. Li, L, Ackermann, K, Kao, J, Khanna, D & Lam, V 2024, 'Examine the usage and benefits of mobile health applications for sepsis-related healthcare: a scoping review of literature and publicly available applications', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
36. Li, L, Aryal, N, Ackermann, K, Merrett, N, Richardson, A, Westbrook, JI & Lam, V 2024, 'Assessing the hospital volume-cost relationship in pancreatoduodenectomy (PD) for pancreatic cancer patients: a population-based longitudinal study', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
37. Li, L, Baker, J, Quirk, R, Deidun, D, Moran, M, Abo Salem, A, Aryal, N, Van Dort, BA, Zheng, WY, Hargreaves, A, Doherty, P, Hilmer, SN, Day, R, Westbrook, J & Baysari, MT 2024, 'Prevalence of drug-drug interactions and actual harms in acute care hospitals', World Congress of Epidemiology WCE 2024, 24/09/24 - 27/09/24.
38. Long, JC, Best, S, Fehlberg, Z & Braithwaite, J 2024, Implementing genomics in primary care. in *ISQua's 40th International Conference: Abstract book: short orals and Lightning talks*. ISQUA2024-ABS-2974, ISQua International Society for Quality in Health Care, Istanbul, pp. 70-72, ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24.
39. Long, JC, Francis-Auton, E, Sarkies, M & Braithwaite, J 2024, Building an authorising environment to enable large-scale change programs: learning from an Australian statewide initiative. in *ISQua's 40th International Conference: Abstract book: short orals and Lightning talks.*, ISQUA2024-ABS-2188, ISQua International Society for Quality in Health Care, Istanbul, pp. 295-296, ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24.
40. McKenzie, B & Goirand, M 2024, 'Addressing challenges faced by systems thinking students in implementing their knowledge in their every-day organisational activities: Workshop', Action Learning, Action Research ALARA 2024 Conference, Sydney, Australia, 7/11/24 - 8/11/24.
41. Mimmo, L, Newman, B, Ellis, L, Harrison, R & Listen To Me Consumer Leadership Group 2024, 'Co-designing PREMS with and for people with intellectual disability', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24.
42. Mitchell, R, Delaney, G, Arnolda, G, Liauw, W, Lystad, R & Braithwaite, J 2024, 'Long-term hospital use trajectories of people newly diagnosed with cancer: a retrospective cohort study', World Congress of Epidemiology WCE 2024, Cape Town, South Africa, 24/09/24 - 27/09/24.
43. Mitchell, R, Holland, A, Cameron, CM, McMaugh, A, Lystad, RP & Badgery-Parker, T 2024, 'The impact of childhood injury and burns on academic performance: a matched population-based cohort study', Australasian Injury Prevention and Safety Promotion Conference, Rotorua, New Zealand, 11/03/24 - 13/03/24.
44. Mitchell, R, Holland, A, Cameron, CM, McMaugh, A, Lystad, RP & Badgery-Parker, T 2024, 'The impact of childhood burns on academic performance in Australia: a matched population-based cohort study', 15th World Conference on Injury Prevention and Safety Promotion, Delhi, India, 2/09/24 - 4/09/24.
45. Mitchell, RJ, Delaney, GP, Arnolda, G, Liauw, W, Phillips, JL, Lystad, RP, Harrison, R & Braithwaite, J 2024, 'Potentially burdensome care at the end-of-life for cancer decedents: a retrospective population-level cohort study', World Congress of Epidemiology WCE 2024, Cape Town, South Africa, 24/09/24 - 27/09/24.
46. Mitsutake, S, Lystad, R, Long, J, Braithwaite, J & Mitchell, R 2024, 'Factors associated with potentially preventable readmission among aged care residents after hip fracture', 57th Australian Association of Gerontology Conference (AAG), Hobart, Australia, 12/11/24 - 15/11/24.
47. Mumford, V, Raban, MZ, Fitzpatrick, E, Li, L, Badgery-Parker, T & Westbrook, JI 2024, 'Identifying actual harm from prescribing errors in acute paediatric care', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 431-432.
48. Mumford, V, Raban, MZ, Li, L, Merchant, A, Fitzpatrick, E, Badgery-Parker, T & Westbrook, JI 2024, The economics of medication safety: a cost-benefits analysis framework for evaluating an electronic medication system. in J Bichel-Findlay, P Otero, P Scott & E Huesing (eds), *MEDINFO 2023 - The future is accessible: Proceedings of the 19th World Congress on Medical and Health Informatics*. Studies in Health Technology and Informatics, vol. 310, IOS Press, Amsterdam, pp. 1390-1391, MEDINFO 2023, Sydney, Australia, 8/07/23. https://doi.org/10.3233/SHTI231209
49. Norman, A, Cutler, H, Bilgrami, A, Aghdaee, M, Rapport, F & Fooken, J 2024, 'Understanding views on value based mental healthcare payment reform in a complex healthcare system: The Australian experience', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
50. Okuba, T, Lystad, RP, Boisvert, I, McMaugh, A, Cantle Moore, R, Wolnizer, P, Chow, C, Walsan, R & Mitchell, R 2024, 'Health service use, health outcomes and treatment costs of cochlear implant users', Public Health Association of Australia Preventive Health Conference, Darwin, Australia, 30/04/24 - 2/05/24.
51. Ong, N, Boulton, K, Milne, J, Tomsic, G, Guastella, A, Silove, N, Weise, J, Long, J, Walton, M & Burgess, A 2024, 'Identifying Patient Safety competencies for healthcare staff treating children and young people with intellectual disability in hospital: a Delphi study', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24. https://epostersonline.com/isqua2024/poster/p244
52. Osman, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, 'Uncovering the dynamics of telehealth implementation

and its unintended consequences: a case of rural Australia', The 42nd International System Dynamics Conference, Bergen, Norway, 4/08/24 - 8/08/24. ‹https://proceedings.systemdynamics.org/2024/abstracts/1239.html›

53. Pagano, L, Spanos, S, Dammery, G, Ellis, LA, Smith, CL, Fisher, G, Foo, D & Braithwaite, J 2024, 'Health for people and planet: building bridges to a sustainable future', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 363-364.

54. Pham, S, Churruca, K, Ellis, LA & Braithwaite, J 2024, '"No one on Facebook knows your weight": Women's views about online support communities for gestational diabetes mellitus', 5th annual conference for HiPPP EMR-C (Health in Preconception, Pregnancy, and Postpartum Early and Mid-career Researcher Collective), Sydney, Australia, 14/10/24.

55. Prgomet, M, Kibret, G, Thomas, J & Georgiou, A 2024, 'Telehealth utilization trends for respiratory conditions in Australian General Practice: a means to reduce infection risk during the pandemic and beyond', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 279-281. ‹https://isqua.org/media/attachments/2024/10/29/isqua-abstract-book-2024-v1.1-compressed.pdf›

56. Prgomet, M, Thomas, J, Dimeski, G, Li, J & Georgiou, A 2024, 'Pathology point of care testing (PoCT) safety and quality issues: a review of international literature', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

57. Prgomet, M, Thomas, J, Dimeski, G, Li, J & Georgiou, A 2024, 'Trends and issues in pathology point of care testing (PoCT) in Australian healthcare settings', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.

58. Raban, MZ, Merchant, A, Fitzpatrick, E, Rahman, B, Li, L & Westbrook, J 2024, 'Prioritising electronic health record optimisation to reduce technology-related prescribing errors and improve patient safety: results from two tertiary paediatric hospitals', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 154-156. ‹https://isqua.org/events/istanbul-2024-international-conference/conference-programme.html›

59. Raban, MZ, Woods, A, Badgery-Parker, T, Li, L & Westbrook, J 2024, 'How well do electronic health records support medication administration in paediatric hospitals?', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24 pp. 156-157. ‹https://isqua.org/events/istanbul-2024-international-conference/conference-programme.html›

60. Rana, P, Gide, TN, Adegoke, NA, Mao, Y, Long, G, Scolyer, RA, Wilmott, JS, Berkovsky, S, Coiera, E & Liu, S 2024, 'DeepMIIC: a deep-learning-based framework for whole-slide multiplex immunofluorescence image classification', 21st IEEE International Symposium on Biomedical Imaging, Athens, Greece, 27/05/24 - 30/05/24.

61. Ransolin, N, Cheek, C, Wooler, M & Clay-Williams, R 2024, 'Identifying built environment hazards through HFE analyses of in-situ simulations', Human Factors and Ergonomics Society of Australia HFESA 2024 Conference -Human-Centred Futures, Brisbane, Australia, 25/11/24 - 27/11/24.

62. Reeve, H, Preda, V, Clay-Williams, R, Carney, T, Wilson, M & Jabbour, J 2024, 'Reducing ocular trauma with artificial intelligence: personal protective eyewear compliance checking with remediation', 39th World Ophthalmology Congress 2024, Vancouver, Canada, 16/08/24 - 19/08/24. https://woc2024.abstractserver.com/program/#/details/presentations/1256

63. Saba, M, Schroeder, T, Long, J, Leask, E, Spanos, S & Ellis, L 2024, 'Resilience in action: team factors influencing adaptive capacity in Australian hospitals', 9th Annual EnCouRage Research Symposium, Sydney, Australia, 17/09/24 - 17/09/24 pp. 46-47.

64. Saba, M, Schroeder, T, Long, J, Spanos, S, Leask, E & Ellis, L 2024, Resilience in Australian healthcare: analysing team factors for adaptive capacity. in *ISQua"s 40th International Conference: Abstract Book*. ISQua International Society for Quality in Health Care, Istanbul, pp. 230-231, ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24.

65. Sarkies, MN, Testa, L, Carrigan, A, Roberts, N, Gray, R, Sherrington, C, Mitchell, R, Close, JCT, McDougall, C & Sheehan, K 2024, 'Perioperative interventions to improve early mobilisation and physical function after hip fracture', 2nd Fragility Fracture Network Asia Pacific Regional Congress, Kuala Lumpur, Malaysia, 13/06/24 - 15/06/24 pp. 18.

66. Schroeder, T, Churruca, K, Saba, M, Long, J, Spanos, S, Leask, E, de Montemas, W, Shephard, J, Sequira, N, Wiig, S, Bø Lyng, H, Braithwaite, J & Ellis, LA 2024, 'Adaptive capacities of different Australian hospital teams: a qualitative analysis', 9th Annual EnCouRage Research Symposium, Sydney, Australia, 17/09/24 - 17/09/24 pp. 23.

67. Sina, M, Mitchell, R, Walsan, R, Clay-Williams, R, Cardenas, A, Moscava, M, Manias, E, Taylor, N, Mumford, V, Christian, B & Harrison, R 2024, 'Using virtual models of care for outpatient services: a systematic review of quality-of-care outcomes', 13th Health Services Research Conference 2024, Brisbane, Australia, 4/12/24 - 6/12/24.

68. Smith, C, Rojas, C, Zurynski, Y, Partington, A, Ellis, L, Dammery, G, Fisher, G, Spanos, S, Long, J, Churruca, K & Braithwaite, J 2024, 'Creating low-carbon, climate-resilient health systems: what frameworks, policies, and standards should we apply?', AcademyHealth's 2024 Annual Research Meeting (ARM), Baltimore, 29/06/24 - 2/07/24. ‹https://vmx.m-anage.com/us/2024arm/en-US/presentation/652557›

69. Smithers-Sheedy, H, Hu, N, Hutchinson, K, Zurynski, Y, Jack, M, de Groot, A, Nassar, N, Rana, R & Lingam, R 2024, 'Characteristics and experiences of families accessing the RuralKidsGPs paediatric care coordination program', Australasian Academy of Cerebral Palsy and Developmental Medicine, Cairns, 31/07/24 - 3/08/24.

70. Smithers-Sheedy, H, Hu, N, Zurynski, Y, Hutchinson, K, Jack, M, de Groot, A, Rana, R & Lingam, R 2024, 'RuralKidsGPS paediatric care coordination: supporting

improved family well-being and healthcare experience', National Rural Health Conference, Perth, Australia, 16/09/24 - 18/09/24.

71. Spanos, S, Ellis, L, Long, J, Fisher, G, Smith, CL & Braithwaite, J 2024, 'Resilience and learning health systems', Resilient Health Care Society Summer Meeting 2024, Stavanger, Norway, 9/06/24 - 12/06/24.
72. Spanos, S, Ellis, L, Long, J, Leask, E, Smith, CL & Braithwaite, J 2024, 'From challenges to crises: future proofing health systems through resilient performance', Resilient Health Care Society Summer Meeting 2024, Stavanger, Norway, 9/06/24 - 12/06/24.
73. Spanos, S, Hutchinson, K, Goodwin, N, Rapport, F & Zurynski, Y 2024, 'Integrated care in epilepsy management: a scoping review of the models and components of health and social care delivery', ISQua's 40th International Conference 2024, Istanbul, Türkiye, 24/09/24 - 27/09/24.
74. Spanos, S, Wijekulasuriya, S, Ellis, L, Saba, M, Schroeder, T & Zurynski, Y 2024, 'Social prescribing referral pathways for improved psychological wellbeing: what does the empirical literature tell us?', EACH24 - ASPIRE's International Social Prescribing Conference, Sydney, Australia, 25/06/24 - 27/06/24.
75. Thomas, J, Prgomet, M, Dimeski, G, Li, J & Georgiou, A 2024, 'Point of care testing (PoCT) training resources in Australia: a review', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
76. Triandafilidis, Z, Lewis, S, Goodwin, N, Montague, A, Dingelstad, C, Jeong, S, Hensby, J, Hutchinson, K & Quick, G 2024, 'Co-designing a model of palliative care for people with advanced dementia', International Conference on Integrated Care, Belfast, United Kingdom, 22/04/24 - 24/04/24.
77. Walsan, R, Mitchell, R, Cardenas, A, Moscova, M, Taylor, N, Mumford, V, Sina, M, Webster, T & Harrison, R 2024, 'Capabilities for virtual care implementation: a document analysis of policy frameworks', Western NSW Health Research Network WHRN2024 Research Symposium, Dubbo, Australia, 18/11/24 - 19/11/24.
78. Walsan, R, Mitchell, R, Chauhan, A, Cardenas, A, Moscova, M, Taylor, N, Mumford, V, Sina, M, Webster, T & Harrison, R 2024, 'Creating an environment for virtual care: infrastructure and capability requirements for efficient virtual healthcare delivery', 13th Health Services Research Conference, Brisbane, Australia, 4/12/24 - 6/12/24.
79. Walsan, R, Mitchell, R, Sina, M & Harrison, R 2024, 'Examining the outpatient virtual care use and subsequent healthcare utilisation among patients accessing Australian cancer services', Western NSW Health Research Network WHRN2024 Research Symposium, Dubbo, Australia, 18/11/24 - 19/11/24
80. Wiig, S, Ellis, L, Lyng, HB & Haraldseid-Driftland, C 2024, 'De-implementations: what should we stop doing, and how can leaders help?', ISQua's 40th International Conference 2024, Istanbul, Türkiye, Istanbul, 24/09/24 - 27/09/24.
81. Wijekulasuriya, S & Mitchell, R 2024, 'Adverse childhood experiences and their impact on health service use, prescription claims, and academic performance in adolescence', 9th annual EnCouRage Research Symposium, Sydney, Australia, 17/09/24 - 17/09/24 pp. 32.
82. Zurynski, Y, Braithwaite, J, Nelson, E, Pichumani, A, Alahdab, H, Ellis, L, Smith, K, Fisher, G, McDonald, P, Devkaran, S, Dowdy, S, Foley, TJ, Gilman, S, Habermann, E, Harwood, K, Verheij, R, Phillips, JR, Rubin, J, Spanos, S, Van Der Wees, P, Yao, X, Bos, I & Pagano, L 2024, 'Next-Generation Learning Health Systems', ISQua's 40th International Conference, Istanbul 2024, 24/09/24 - 27/09/24.
83. Zurynski, Y, Hutchinson, K, de Groot, A, Lingam, R & Rural Kids Guided Personalised Service (Rural KidsGPS) Investigators Group 2024, '"It can be a lonely job": role experiences of paediatric care coordinators working in rural Australia', pp. 23-24.

AIHI grants awarded or under management in 2024

NHMRC and MRFF Grants

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
The National Paediatric Applied Research Translation Initiative (N-PARTI)	Medical Research Future Fund	Braithwaite J Harrison R Mumford V Davis E de Wet C Homaira N Mitchell R Jaffe A Fisher G Willcock S	**$4,981,095**
Working together: innovation to improve Emergency Department (ED) performance, and patient outcomes and experience for five complex consumer cohorts	Medical Research Future Fund	Clay-Williams R Braithwaite J Harrison R Zurynski Y Hibbert P Mitchell R Cutler H Vukasovic M Ali R Holt L	**$2,836,551**
Delivering safe and effective medication management technology now and for the future	NHMRC Investigator Grant	Westbrook J	**$2,500,000**
Improving the health system's response when patients are harmed: a mixed-methods study (Partners: CEC NSW, CE Qld, Safer Care Victoria, ACT Health, ACSQHC)	NHMRC Partnership Projects	Hibbert P Braithwaite J Westbrook J Magrabi F Mumford V Clay-Williams R Salmon P Middleton S Roberts CM	**$2,116,179**
Optimising and leveraging technology to improve medication safety	NHMRC Investigator Grant	Westbrook J	**$2,000,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Embedding genomics in primary care: Using implementation science to design a robust national approach	Medical Research Future Fund	Braithwaite J Long J Best S Willcock S Archibald AD Cutler H Ferrie M Dive L Freeman L Trainer A	**$1,974,063**
Smarter hospitals: Unlocking the promise of virtual models of care through infrastructure innovation in Australian healthcare facilities (Partners: Health Infrastructure, Western Health, Northern Health, Western NSW LHD, South Western Sydney LHD, Townsville)	NHMRC Partnership Projects	Harrison R Clay-Williams R Braithwaite J Westbrook J Taylor N Manias E Mitchell R Lawton R	**$1,876,987**
A dashboard of predictive analytics and decision support to drive care quality and person-centred outcomes in aged care (Partners: Anglicare, Sydney North PHN, Deeble Institute for Health Policy Research, Northern Sydney LHD, Aged Care Quality and Safety	NHMRC Partnership Projects	Westbrook J Georgiou A Lord S Gray L Day R Ratcliffe J Baysari M Braithwaite J	**$1,836,150**
A National Aged Care Medication Roundtable - Translating aged care data into action to improve quality of care through collaboration and co-design (Partners: BaptistCare, Scalabrini, Anglicare, Australian Commission on Safety and Quality in Health Care)	NHMRC Partnership Projects	Westbrook J Gray L Bucknall T Etherton-Beer C Newell B Raban M Caughey G Beattie E Makeham M Braithwaite J	**$1,769,499**
Bringing artificial intelligence into the real world of healthcare: the implementation challenge	NHMRC Investigator Grant	Coiera E	**$1,500,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Leveraging informatics to optimise pharmacist-led medication reviews in residential aged care to improve outcomes and cost-effectiveness: a pragmatic cluster randomised controlled trial	Medical Research Future Fund	Raban M Seaman K Cutler H Wabe N Westbrook J Saunders R Silva S Canale A Nguyen A Urwin R	**$1,479,329**
Establishing a digital health foundation for outcomes-based diagnostic excellence, safety and value (Partners: Abbott Diagnostics, South Eastern Sydney Local Health District, NSW Health Pathology, Australian Commission on Safety and Quality in Health Care)	NHMRC Partnership Projects	Georgiou A Center J Westbrook J Rawlinson W Curtis K Post J Horvath A Hillman K Amin J Endre Z	**$1,377,501**
Designing and implementing a real-world learning healthcare system: operational knowledge, data and practice for clinical microsystems of the 21st Century	NHMRC Investigator Grant	Braithwaite J	**$1,350,000**
Transforming residential aged care through evidence-based informatics (Partners: BESTMED, Aged Care Industry Information Technology Council, Aged Care Quality and Safety Commission, Consumers Health Forum, Southern Cross Care, Bupa Aged Care)	Medical Research Future Fund	Westbrook J Raban M Manias E Cameron I Coiera E Bucknall T Etherton-Beer C Seaman K Zwar N Braithwaite J	**$1,052,386**
Using AI to create smarter, personalised, and scalable interventions for psychological distress	NHMRC Synergy Grant	Christensen H Venkatesh S Cutler H Newby J Gupta S Whitton A Mitchell B O'Dea B	**$1,000,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
An equity-focus prospective evaluation of patient registration in Australia	Medical Research Future Fund	Harrison R Vagholkar S Mahadeva J Braithwaite J Westbrook J Mitchell R Manias E Cutler H Chauhan A Newman B	**$998,386**
Pioneering co-created patient-reported experience measures for people with intellectual disability (Partners: Monash University)	Medical Research Future Fund	Harrison R	**$996,820**
The Australian Consortium for Aged Care - Quality Measurement Toolbox (ACAC-QMET): Improving Quality of Care through Better Measurement and Evaluation	Medical Research Future Fund	Inacio M Gray L Westbrook J Caughey G Braithwaite J Hibbert P Comans T Crotty M Wesselingh S Sluggett J	**$655,400**
Building a culture of safety in Australian residential aged care facilities	NHMRC Investigator Grant	Churruca K	**$650,740**
A national platform for evaluation and integration of advanced analytics in the diagnosis of genetic disease	Medical Research Future Fund	MacArthur D Stark Z Coiera E Simons S Berkovsky S Sadedin S Vears D Wander J Lunke S Kassahn K	**$628,782**
Strengthening resilience and mental wellbeing through the Support4Resilience toolbox for leaders in elderly care	NHMRC-EU Collaborative Research Grant Scheme	Ellis L Braithwaite J Clay-Williams R Gray L Bryant R Batterham P Wuthrich V Westbrook J Shand F Hibbert P	**$499,225**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
NINA: National Infrastructure for federated learNing in DigitAl health	Medical Research Future Fund	Sullivan C Thomas R de Jersey S Hocking J Luhovy M Jesuadian S Zhou R Turner M Lawley M Coiera E	**$278,786**
Developing a Comprehensive Care Pathway for those at Risk of Suicide But Not in Care: The Under the Radar Project	Medical Research Future Fund	Christensen H Harvey S Carter G Venkatesh S Boydell K Cutler H Kneebone I Newton-John T Han J Huckvale K	**$275,000**
P-OMICs-flow: Integrating precision oncology into clinical programs	Medical Research Future Fund	Taylor N Thomas D Tucker K Mallinger M Zaheed M Lin F Goldstein D Morrow A Leaney K Gough M Parkinson B Butow P Young J Middleton S Jeet V	**$266,033**
Giving patients an EPIC-START: An evidence based, data driven model of care to improve patient care and efficiency in emergency departments	Medical Research Future Fund	Curtis K Dinh M Shetty A Fry M Shaw T Lung T Murphy M Li L Alkhouri H Considine J	**$263,998**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Targeted, Adaptive Genomics for ethical, evidence-based expansion of newborn screening: a type II hybrid effectiveness-implementation trial	Medical Research Future Fund	Taylor N Ungerer J Bauer D Parkinson B Jeet V Mazariego C Watts G Pang J Downie L Bennett G	**$262,221**
Computational analysis and Artificial Intelligence in brain tumour imaging: towards the augmented diagnostics of the future	NHMRC Ideas Grant	Di leva A Song Y Liu S Magnussen J Liquet-Weiland B Sughrue M Rodriguez M Savage G	**$239,268**
SENSECog aged care: Hearing and vision support to improve quality of life for people living with dementia in residential aged care	Medical Research Future Fund	Dawes P Westbrook J Martins R Martini A Keay L Leroi I Browning C Heine C Sohrabi H Gu Y	**$230,080**
Scaling and piloting a genomic platform for population newborn screening	Medical Research Future Fund	Taylor N Ungerer J Parkinson B Mazariego C McGill B Jeet V Bauer D Wakefield C Shum B Watts G Peterson A Dobbins T Pang J	**$230,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Building on newborn hearing screening success: towards national standards and data management	NHMRC Targeted Call for Research	Sung V Beswick R Kelvin K Wake M Leigh G Ching T Kluk K Parkinson B King A Shepherd D	**$156,199**
A Pragmatic Randomized Controlled Trial to Digitally Support Self-Management for Inhaler Device Technique and Medication Adherence among People with Chronic Obstructive Pulmonary Disease (COPD) and Comorbidities - The PRISIMA-PECO Trial	Medical Research Future Fund	Ansari S Hurst J Reddel H Zwar N Dennis S Halcomb E Sawan M Rhee J Joshi R Hosseinzadeh H Batterham M Jeet V	**$155,734**
Centre for Research Excellence in Depression Treatment Precision (CORE-DEP)	NHMRC Centre for Research Excellence	Newby J Gupta S Whitton A Christensen H Ventakesh S Werner-Seidler A Mitchell B Cutler H Mouzakis K Birrell L	**$150,000**
POPSTEM: Patient-specific cardiac stem cell villages for personalised therapeutic design	Medical Research Future Fund	Powell J Figtree G Neavin D Vandenberg J Hill A Inglis J Pebay A Contreras O Kolanowski J Hewitt A Jeet V Whan R	**$146,001**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Adherence in the air: CPAP adherence support programs dispensed in pharmacies providing sleep apnea services	Medical Research Future Fund	Saini B Bartlett D Wong K Nanayakkara B Ainge-Allen H Nissen L Sim T George J Gordon C Marshall N Sharma R Fooken J	**$136,268**
Randomised controlled trial of screening patients with Schizophrenia for obstructive sleep apnea using in-laboratory polysomnography or 3-nights of home oximetry.	Medical Research Future Fund	Grunstein R Ellender C Marshall N Siskind D Sharma R Yee B Lappin J Fooken J Kairatis K Harris A Phillips C Lawn S Lambert T	**$126,535**
Integrated Multimodal Precision Liquid biopsy to Enhance MElanoma and NSCLC Treatment (IMPLEMENT)	Medical Research Future Fund	Rizos H Gray E Lee J Long G Millard M Ellis L Coiera E Kao S	**$126,466**
Optimising treatments in mental health using AI	Medical Research Future Fund	Christensen H Kummerfield S Kaplan W Venkatesh S Mouzakis K Vasa R Gupta S Rana S Tran T Quinn T Cutler H Knight R Laverty M	**$120,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
CRE in Interactive Digital Technology to Transform Australia's Chronic Disease Outcomes	NHMRC Centre for Research Excellence	Oldenburg B Maddison R Kostakos V Boyle D Borland R Lau A Furler J Scuffham P Abraham C Taylor C	**$115,000**
The impact of COVID-19 and associated health policies on care quality and health outcomes in Australian residential aged care facilities	NHMRC PhD Scholarship	Meulenbroeks I	**$101,542**
Understanding intergenerational change in the health and well-being of older adults and its effects: The Sydney Memory and Ageing Study 2.	NHMRC Clinical Trial Centre	Brodaty H Sachdev P Masters C Singh M Dobson A Schutte A Cutler H Brayne C Kochan N Numbers K	**$100,000**
Delivering precision diagnosis to patients with mitochondrial disease: Using digital technologies to enhance the delivery pathway to provide an accurate genetic diagnosis for patients with mitochondrial disease	NHMRC Partnership Projects	Sue C Kummerfeld S Barlow-Stewart K Schofield D Coiera E Berkovsky S Davis R	**$99,386**
When sporadic disease is not sporadic - exploiting cryptic relatedness to unravel MND genetics	NHMRC Ideas Grant	Williams K Henden L Berkovsky S Blair I Iacoangeli A Smith B Dobson-Stone C Kwok J Halliday G Nicholson G	**$96,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
A comparative effectiveness trial of digital mental health care models for adults with epilepsy	Medical Research Future Fund	Gandy M Dear B Titov N Kwan P Parratt K Payner G Karin E Cutler H Winton-Brown T Coleman H Jones M Nikpour A Todd L	**$85,000**
Home hearing and vision care to improve quality of life for people with dementia and carers	Medical Research Future Fund	Dawes P Pachana N Leroi I Keay L Sohrabi H Gu Y Martini A Coleman M Meyer C Heine C Kumaran S Newall J Gannon B Lenzen S Lowthian J	**$85,000**
BUBs Quit Study: clinical Midwife Specialist to assist pregnant women to quit smoking using counselling and embedded technology	NHMRC Partnership Projects	Richmond R Lingam R Henry A Kumar S Catling C Hartz D Thornton L Flenady V Dobbins T Sinha K Cutler H	**$83,609**
Implementation and scale-up of a consumer co-designed physical activity promotion program for people with moderate-to-profound disabilities	Medical Research Future Fund	Trost S Tweedy S Hill J Clanchy K Beckman EM Gomersall S Fleming JM Cairney J Fooken J Dutia I	**$71,000**

PROJECT TITLE	SCHEME	INVESTIGATORS	TOTAL FUNDING
Improving Mental Health and Social Participation Outcomes in Older Adults with Depression and Anxiety	NHMRC Investigator Grant	Rapee R Wuthrich V Draper B Brodaty H Cutler H Low L Georgio A Johnco C Jones M	**$59,000**
Translating Evidence-Based Psychological Interventions for Older Adults with Depression and Anxiety into Public and Private Mental Health Settings Using a Stepped Care Framework	NHMRC Investigator Grant	Wuthrich V Rapee R Draper B Brodaty H Cuijpers P Cutler H Hobbs M Johnco C Jones M	**$57,000**
Total funding from NHMRC and MRFF Grants			**$38,194,219**

Non-NHMRC/MRFF Grants

Project Title	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Pharmaceutical Benefits Advisory Committee	Department of Health and Aged Care (Commonwealth)	Cutler H Parkinson B Rana R Sharma R Norman A Song R Stathis S Raichand S Islam R	**$4,244,588**
Australian Type 1 Diabetes Clinical Research Network "Improving clinical outcomes in young people with T1D - getting evidence and treatments into practice	Juvenile Diabetes Research Foundation	Jones T Davis E Bloom D Braithwaite J Zurynski Y	**$1,002,532**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Enhancing Human Reasoning with Generative AI: Personalized Digital Coach for Effective Feedback	Fujitsu Ltd	Berkovsky S Beheshti A Coiera E Suzuki G Takeuchi S Itani T Kurihara H Nakazato K Honda T Jiang S	**$947,367**
Phase 2 - COVID-19: utilising near real-time electronic general practice data to establish effective care and best-practice policy	Digital Health CRC	Georgiou A Prgomet M Sezgin G Thomas J Hardie R Amin J McLeod A Proposch A Wilson J	**$843,817**
APRICA - Accelerated Program of translational research in primary liver cancer	Cancer Institute NSW	George J McCaughan G Reddel R R Chant K Clarke SJ Liauw W Nagrial AM Agar M Zekry A Zurynski Y	**$800,000**
Co-designing quality end of life care to culturally and linguistically diverse consumers in cancer services	Cancer Institute NSW	Harrison R	**$599,755**
Proactive primary care project: Independent evaluation	Myhealth Management	Braithwaite J Ellis L Long J Pagano L Spanos S Fisher G	**$545,340**
Consumer experiences and preferences for aged care through citizen science	Australian Research Council Discovery Project	Raban M Westbrook J Lau A Nguyen A	**$534,527**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Closing the vaccination gap: Achieving vaccination equity for vulnerable populations in regional primary care	Western Victoria Primary Health Network	Fisher G Braithwaite J Ellis L Churruca K Pagano L Spanos S	**$525,000**
Luminesce Alliance Implementation and Economic Evaluation Platform providing enhanced access to child health services evaluation – PEACH-E	Sydney Children's Hospitals Network	Cutler H Rana R	**$362,614**
MQ DVC(R) Co-funding: Building a culture of safety in Australian residential aged care facilities	Macquarie University	Churruca K	**$351,969**
MQ DVC(R) Co-funding: Embedding genomics in primary care: Using implementation science to design a robust national approach	Macquarie University	Braithwaite J Long J Best S Willcock S Archibald AD Cutler H Ferrie M Dive L Freeman L Trainer A	**$350,599**
Socioeconomic disadvantage, COVID symptom persistence and health-related quality of life EQ-5D: An analysis for India	EuroQol	Sinha K Gutacker N Gu Y Haagsma J	**$342,007**
Evaluating the performance of a vision-based food intake logging app	NuviLab Inc	Berkovsky S Ong M	**$333,119**
MQ DVC(R) Co-funding: Improving the health system's response when patients are harmed: a mixed-methods study	Macquarie University	Hibbert P Braithwaite J Westbrook J Magrabi F Mumford V Clay-Williams R Salmon P Middleton S Roberts CM	**$299,236**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
EQ-5D with the hearing "bolt-on" items: developing a new quality of life measure for hearing impairment	Cochlear Research Partnership	Gu Y Cutler H Parkinson B Sinha K Dawes P Sharma R Brinson M Gonzalo F Quadri H	**$299,030**
A novel neuro-cardiac self-regulation therapy to improve autonomic and neural function after SCI: Clinical trials and translation to implementation	NSW Health	Craig A Middleton J Gopinath B Cameron I Davis G Tran Y Krassioukov A Braithwaite J Mitchell R Gustin S Stark Z de Jersey S	**$273,622**
Predicting self-harm and suicide risk within Australian local government areas	Partner Funded Research	Cutler H Woodward A Bilgrami A Kalay AF	**$269,269**
Evaluating Artificial Intelligence for chest radiograph interpretation in emergency medicine	Digital Health CRC	Magrabi F Coiera E	**$255,120**
Longitudinal outcomes of hearing-impaired children: early vs later intervention	National Institutes of Health	Ching T Cupples L Leigh G Dillon H Parkinson B Wong C Sharma R	**$254,478**
Codesign for better care of Australian adults living with Mito: The Mito-Plan Project	The Mito Foundation	Long J Pagano L Ellis L Zurynski Y Christodoulou J Braithwaite J	**$249,835**
Economic evaluation of the LifeSpan project launched by the Black Dog Institute	Black Dog Institute	Cutler H Abiona O	**$243,660**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Towards new models of integrated primary care for Long COVID and other complex chronic health conditions	Department of Health and Aged Care (Commonwealth)	Clay-Williams R Hibbert P	**$225,600**
Development of a novel digital clinical safety climate survey and improvement cycle for use in complex digital health settings	Digital Health CRC	Magrabi F Coiera E Irving V Ling J Blakely B	**$213,886**
Rural Kids Guided Personalised Service (RuralKidsGPS): Care coordination for medically complex children in rural areas	HCF Research Foundation	Zurynski Y	**$200,632**
MQ DVC(R) Co-funding: Transforming residential aged care through evidence-based informatics	Macquarie University	Westbrook J Raban M Manias E Cameron I Coiera E Bucknall T Etherton-Beer C Seaman K Zwar N Braithwaite J	**$198,477**
Safe and responsible AI in health services	Digital Health CRC	Magrabi F Coiera E Win Yee Tan Harrer S McKimm A Potts E	**$191,286**
MQ DVC(R) Co-funding: Establishing a digital health foundation for outcomes-based diagnostic excellence, safety and value	Macquarie University	Georgiou A Center J Westbrook J Rawlinson W Curtis K Post J Horvath A Hillman K Amin J Endre Z	**$187,564**
Value based care in mental health	National Mental Health Commission	Cutler H Abiona O Bilgrami A Aghdaee M	**$187,357**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Communicating to promote engagement in using electronic medical records (AIHI Managed Funds)	Australian Research Council Discovery Project	Manias E Gray K Wickramasinghe N Harrison R	**$174,424**
ARCHS: Adult Recipients of Cochlear implants: Health and Social long-term outcomes	Cochlear Ltd	Mitchell R Lystad R Boisvert I McMaugh A Moore R	**$174,300**
ARCHS: Adult Recipients of Cochlear implants: Health and Social long-term outcomes	Macquarie University	Mitchell R Lystad R Boisvert I McMaugh A Moore R	**$174,300**
Investigating the relationship between out-of-pocket costs, healthcare quality, experience and outcomes	Medibank Private Limited	Harrison R Mitchell R Braithwaite J Mumford V Hibbert P Westbrook J	**$173,000**
MQ DVC(R) Co-funding: Optimising and leveraging technology to improve medication safety	Macquarie University	Westbrook J	**$160,000**
Enhancing Human Reasoning with Generative AI: Personalized Digital Coach for Effective Feedback	Macquarie University	Berkovsky S Beheshti A Coiera E Suzuki G Takeuchi S Itani T Kurihara H Honda T Jiang S Sekiguchi M	**$156,734**
Next Generation Artificial Intelligence-AI - Enabled Medical Technologies: From Diagnostics to Therapeutics	CSIRO	Vafaee F Wilkins M Alinejad-Rokny H Berkovsky S Beydoun G Saberi M Dinger M Coiera E Water S Razzak I	**$149,793**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Evaluating Artificial Intelligence-enabled clinical decision support (CDS) for a telephone helpline service and a consumer symptom checker	Healthdirect	Magrabi F Coiera E	**$122,960**
MQ DVC(R) Co-funding: Bringing artificial intelligence into the real world of healthcare- the implementation challenge	Macquarie University	Coiera E	**$120,000**
Data mapping in hospital databases	Evidentli	Berkovsky S Coiera E	**$115,000**
Primary care screening tool to detect, prevent and treat health issues for older Australians	Ian Potter Foundation	Wuthrich V Johnco C Cutler H Willcock S Jones M	**$100,000**
Medibank Private: Work. Reinvented. Project	Medibank Private Limited	Mitchell R Wood R Gu J Lin N Sinha K Wilden R Webster C Garcia P Trau R Lu C Yang M Gu Y Cheng Z	**$100,000**
Usability and effectiveness of the NICU/ PICU version of the electronic Record for Intensive Care (eRIC)	eHealth NSW/Kids Critical Cancer Research	Raban M Westbrook J Wiggins M Harrison R Clay-Williams R	**$98,230**
Single and Safe Intervention for MEDication administration (SaSI-MEDs): The development and evaluation of an intervention to de-implement unnecessary double-checking of medicines in hospital - Collaboration Agreement (AIHI funding)	National Institute for Health Research	Lawton R Fylan B Alldred D Bojke C Sheard L Pattison N Westbrook J Hewitt C Thompson H Foy R	**$97,453**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
MQ DVC(R) Co-funding: Smarter hospitals: Unlocking the promise of virtual models of care through infrastructure innovation in Australian healthcare facilities	Macquarie University	Harrison R Clay-Williams R Braithwaite J Westbrook J Taylor N Manias E Mitchell R Lawton R	**$94,571**
Dynamics and inequality in mental health care use and expenditures after income shocks	Macquarie Business School and e61 Institute Research Partnership Scheme	Bilgrami A Best R Gu Y Bertoni M Tran M Saba N	**$94,517**
Literature review and environmental scan for Artificial Intelligence in health care	Australian Commission on Safety and Quality in Health Care	Magrabi F	**$93,903**
Evaluating the early initiation of Advanced Hybrid Closed Loop therapy in children and adolescents with a new diagnosis of Type 1 Diabetes	The Kids Research Institute Australia	Davis E Jones T Abraham M Taplin C Lomax K Zomer E Zurynski Y Carrigan A Zoungas S Cromb L	**$90,992**
Cough Sound Assessment Using Deep Learning Techniques	Google Asia Pacific Pty Ltd	Sharan R	**$84,173**
Bespoke Quantum Magnetoencephalography (MEG) Scanner Design and Development	Department of Industry, Science, Energy and Resources	Newport R Liu S Li E Di leva A	**$83,300**
Updated list of validated patient-reported outcome measures	Australian Commission on Safety and Quality in Health Care	Ellis L Churruca K Fisher G	**$78,439**
Research to measure variation in copayments for common medicines used to treat mental ill health across Australia	Partner Funded Research	Cutler H Fooken J Bilgrami A Saba N Gu Y	**$75,708**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
BCAL Diagnostics Limited	BCal Diagnostics Ltd	Berkovsky S Asbe N	**$66,529**
Evaluation of Easycare Assisted-Living Technology	Easy Care Technology Pty Ltd	Lau A	**$65,000**
Supporting dynamic multidimensional entrepreneurial resilience in Australia	Australian Research Council Discovery Project	Sinha K Magnani L Chirico F Gu Y Zhu R Green R	**$64,000**
AUSMURI: Cohesive and Robust Human-Bot Cybersecurity Teams	Australian Defence Science and Technology	Rubenstein B Kaafar D Berkovsky S Brown S Eidels A Kostakos V Murray T Ohrimenko O	**$64,000**
Harnessing Artificial Intelligence in the Australian health and aged care sector	Department of Health and Aged Care (Commonwealth)	Magrabi F Coiera E	**$63,241**
Multimodal Precision Liquid Biopsy to Predict Risk of Melanoma Recurrence	U.S. Department of Defense	Rizos H Diefenbach R Coiera E Berkovsky S Long G Scolyer R Gray E Millard M	**$62,209**
Ethical Artificial Intelligence in healthcare: frameworks and facilitators	Digital Health CRC	Magrabi F Lyell D	**$60,000**
An overview of Australian Healthcare System and Regulatory Frameworks in the Biomedical Industry	Partner Funded Research	Yang M Gu Y Yu D Stathis S Lu C	**$58,640**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
MQ DVC(R) Co-funding: Improving the health system's response when patients are harmed : a mixed method funding	Macquarie University	Hibbert P Braithwaite J Westbrook J Magrabi F Mumford V Clay-Williams R Salmon P Middleton S Roberts CM	**$56,800**
National Electronic Medication Chart Framework (NEMCF) Project	Australian Commission on Safety and Quality in Health Care	Raban M	**$56,092**
The Australian Climate and Health Survey: Capturing the perceptions and experiences of the Australian public	Macquarie University	Braithwaite J Benson I Ellis L Churruca K Fisher G Pagano L Patel R Smith K-L Spanos S Tran Y	**$50,000**
Constructing a systems perspective on alcohol and other drug addiction	Monash University	Long J Churruca K Ellis L Pagano L Sheriff S Schroeder T Braithwaite J Lubman D	**$50,000**
Novel Informatics Approach for Automated Reporting of Aged Care Quality Measures: Towards A Unified Intelligent System	Macquarie University	Wabe N	**$49,988**
Mitochondrial Disease Triage Tool	Kolling Institute	Berkovsky S	**$49,409**
Survey on Safety Culture for Southern Adelaide Local Health Network	Southern Adelaide Local Health Network	Ellis L Hibbert P Falkland E Clark R Schultz T	**$49,230**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
How do aged care systems learn from quality indicators? The role of quality indicators in quality improvement	Macquarie University	Churruca K Nguyen A Ludlow K Sarkies M Ellis L Braithwaite J Westbrook J Wuthrich W	**$48,798**
Advancing Melanoma Treatment: AI Predictive Model for Personalised Immunotherapy	Macquarie University	Rana P Liu S	**$48,612**
MQ DVC(R) Co-funding: Computational analysis and Artificial Intelligence in brain tumour imaging: towards the augmented diagnostics of the future	Macquarie University	Di leva A Song Y Liu S Magnussen J Liquet-Weiland B Sughrue M Rodriguez M Savage G	**$47,854**
Development of Audit Tools based on the Optimal Care Pathways for Multiple Myeloma and Chronic Lymphocytic Leukemia	Janssen-Cilag Pty Ltd	Chauhan A Harrison R Mitchell R Arnolda G Hibbert P Braithwaite J	**$46,500**
Healthy ageing in Europe: Intrinsic Capacity Norms, Disparities and Digital Assessments	Partner Funded Research	Hanewald K Gu Y Beard J	**$45,843**
Environmental scan of acute care safety and quality measurement frameworks.	Australian Commission on Safety and Quality in Health Care	Clay-Williams R Long J Cheek C Ellis L Austin E Richardson L	**$44,717**
Safety assessment of an AI-based clinical decision support system	Healthdirect	Magrabi F	**$41,313**
Primary Health Care Patient Safety Measurement	Australian Commission on Safety and Quality in Health Care	Ellis L Clay-Williams R Georgiou A Foo D Fisher G Saba M	**$39,134**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Rapid Literature Review: Point of Care Testing in Health Care	Australian Commission on Safety and Quality in Health Care	Prgomet M Thomas J Georgiou A Dimeski G Li J	**$38,518**
MQ DVC(R) Co-funding: Enhancing Human Reasoning with Generative AI: Personalized Digital Coach for Effective Feedback	Macquarie University	Berkovsky S	**$36,000**
Supporting materials for patient safety culture measurement: Parts A and B	Australian Commission on Safety and Quality in Health Care	Ellis L Tran Y Pomare C	**$35,800**
Rapid review of the literature on paediatric end-of-life care	Australian Commission on Safety and Quality in Health Care	Lystad R Mitchell R Harrison R Arnolda G Cheek C Chauhan A Mears S Wijekulasuriya S Chitkara U	**$35,498**
Evidence check: The anticipated impacts of climate change related factors on the NSW Health workforce	Sax Institute	Smith K Fisher G Ellis L Haywood P Abiona O Rana R Zurynski Y	**$35,000**
Predicting Freezing of Gait in Parkinson's Disease Using Brainwaves	University of Sydney	Berkovsky S Sharan R	**$35,000**
Preliminary technical process evaluation for Remote Patient Monitoring (RPM)	NSW Health	Lau A Jackson T Harrison R	**$34,668**
Clinician Experience of Care for Leading Better Value Care Initiatives: Musculoskeletal (Osteoporosis re-fracture prevention (ORP) and Osteoarthritis chronic care program (OACCP))	Health System Support Group	Harrison R	**$28,500**
Clinician Experience of Leading Better Value Care Cohorts: Musculoskeletal HRF, RSP, FiH	Health System Support Group	Harrison R Sina M Mitchell R Walsan R Ellis L	**$28,500**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Clinician Experience of Leading Better Value Care Initiatives: Muscular Skeletal (Osteo)	Health System Support Group	Harrison R Sina M Walsan R Ellis L Mitchell R	**$28,500**
Co-creating safe spaces: Translational research on innovative alternatives to the emergency department for people experiencing emotional distress and/or suicidal crisis	Suicide Prevention Australia Ltd	Ellis L	**$27,623**
Preliminary clinical process evaluation for Remote Patient Monitoring (RPM)	Health System Support Group	Harrison R	**$27,004**
Telstra Health Consultancy	Telstra Health	Magrabi F	**$26,985**
Psychometric properties and clinical usability of the SAS Mat: A novel assessment and treatment tool for tandem stance.	Macquarie University	Fisher G Scrivenor K	**$25,000**
Establishing Safety and Quality Standards for Direct-To-Consumer Digital Clinics in Australia (EQUAL-DTC)	The Royal Australian College of General Practitioners Foundation Grant	Foo D Braithwaite J Ellis L Willcock S Hansra A	**$20,000**
Applying Electronic Health Record Based Algorithm to Identify Sepsis Cases	Macquarie University	Li L	**$19,985**
Clinician Experience of Care for the Southern NSW Virtual Rural Generalist Service (VRGS)	Health System Support Group	Harrison R	**$19,490**
Work in heat and health - a toolbox for occupational studies in manual workers in LMIC countries	Partner Funded Research	Jakobsson K Adhikari S Koirala S Neupane D Sharma R Subedi M Wesseling C	**$17,200**
Research plan for the validity and reliability testing of two patient safety culture surveys	Australian Commission on Safety and Quality in Health Care	Tran Y Ellis L	**$16,495**
Cost effectiveness of Cochlear implants in Finland	Cochlear Research Partnership	Cutler H	**$15,000**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Early childhood education and care pay and conditions research	Partner Funded Research	Degotardi S Cumming T Brand N Thornwaite L Mitchell R Sinha K Gu J Gu Y	**$15,000**
Strategies to address unprofessional behaviours among staff in acute healthcare settings: a realist review	National Institute for Health Research	Maben J Mannion R Jones A Westbrook J Pearson M Abrams R	**$11,120**
2024 NSW Premier's Awards for Outstanding Cancer Research – Outstanding Early Career Researcher	Cancer Institute NSW	Chauhan A	**$10,000**
NSW Premier's Awards for Outstanding Cancer Research – Improving Equitable Outcomes through Cancer Research Award	Cancer Institute NSW	Harrison R	**$10,000**
Clinical Safety Management System (CSMS)	Australian Digital Health Agency	Magrabi F	**$9,515**
Cost effectiveness of unilateral Cochlear implants in the US	Cochlear Research Partnership	Cutler H	**$9,000**
An evaluation of full scope of practice physiotherapy-led assessment and management of paediatric orthopaedic variants	Department of Health QLD	Pendlebury E Thompson B Schultz C George J Fulton T Van Der Werff J Fooken J	**$9,000**
Hide and seek with hereditary cancer: Improving detection of colorectal cancer patients with a high risk of Lynch syndrome	Cancer Council NSW	Taylor N Tucker K Macrae F Gill A Canfell K Pachter N Parkinson B Solomon M Shaw T Kench J	**$8,822**

PROJECT TITLE	FUNDING BODY	INVESTIGATORS	TOTAL FUNDING
Forensic medical examination (FME) spaces for domestic, family and sexual violence (DFSV) victim survivors: Design principles to address social inequities	Department of Foreign Affairs and Trade	Ransolin N Clay-Williams R Cheek C Austin E Saurin T Richardson L Cossul D	**$7,273**
MQ Postgraduate Research Funding	Macquarie University	Dominello A	**$6,000**
MQ Postgraduate Research Fund	Macquarie University	Danaei Mehr H	**$6,000**
Language Inclusion: Supporting people with intellectual disability and their carers from culturally and linguistically diverse backgrounds	NSW Council for Intellectual Disability	Chik A Orlando M Castle C Gu Y Ollerhead S Gorfinkel L Burridge A	**$5,411**
Identification of built environment implications in emergency care responses through Human Factors and Ergonomics methods	Macquarie University Enterprise Partnership Scheme	Ransolin N Cheek C Clay-Williams R Wooler M	**$3,690**
MQ ECR Enabling Scheme	Macquarie University	Rana P	**$3,000**
MQ ECR Enabling Scheme	Macquarie University	Rahimi Ardabili H	**$3,000**
Validation of a foundational model of the Emergency Department system	Macquarie University	Austin E	**$3,000**
MQ ERC Enabling Scheme	Macquarie University	Jackson T	**$2,940**
Shared Decision Making and Social Prescribing in GP Consultations: An observational Study	Macquarie University	Jackson T	**$2,000**
2023 ECR Showcase	Macquarie University	Rana P	**$1,000**
Total funding from Non-NHMRC/MRFF Grants			**$19,848,527**

$58,042,746

Total enterprise value of grants under AIHI management during 2024

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Glossary

FREQUENTLY USED TERMS

ACSQHC Australian Commission on Safety and Quality in Health Care

AI Artificial intelligence

AIHI Australian Institute of Health Innovation

CALD Culturally and linguistically diverse

CHI Centre for Health Informatics, AIHI

CHRIS Centre for Healthcare Resilience and Implementation Science, AIHI

CHSSR Centre for Health Systems and Safety Research, AIHI

DHCRC Digital Health Cooperative Research Centre

DoHAC Commonwealth Department of Health and Aged Care

ED Emergency department

EHR Electronic health records

EU European Union

FMHHS Faculty of Medicine, Health and Human Sciences

IHACPA Independent Health and Aged Care Pricing Authority

ISQua International Society for Quality in Health Care

JAMIA Journal of the American Medical Informatics Association

MD Medical Doctor

MPhil Master of Philosophy

MQ Macquarie University

MRes Master of Research

MRFF Medical Research Future Fund

MSAC Medical Services Advisory Committee

MUCHE Macquarie University Centre for the Health Economy, AIHI

NHMRC National Health and Medical Research Council

NSW New South Wales, Australia

OECD Organisation for Economic Co-operation and Development

PACE Professional and community engagement student placement program

PBAC Pharmaceutical Benefits Advisory Committee

PBS Pharmaceutical Benefits Scheme

PhD Doctor of Philosophy

RACGP Royal Australian College of General Practitioners

RACP Royal Australasian College of Physicians

WHO World Health Organisation

A strong delegation of researchers from AIHI attended the International Society for Quality in Health Care conference in Türkiye in 2024 contributing keynotes, workshops and other presentations.

ACKNOWLEDGEMENT OF COUNTRY

The Australian Institute of Health Innovation acknowledges the traditional custodians of the country on which we work and recognise that their cultures and customs have nurtured and continue to nurture this land. We pay our respects to Elders past, present and emerging.

PHOTOS

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