

# 2023 Annual Research Report

SCHOOL OF NURSING AND MIDWIFERY



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ECU is committed to reconciliation and supports a Voice to Parliament being enshrined in the Australian Constitution. We recognise and respect the significance of Aboriginal and Torres Strait Islander peoples' communities, cultures and histories. We also acknowledge and respect the Noongar people as the traditional custodians of the land on which our campuses are located.



Ranked in the world's top 100 universities under 50 years old.



The top public university in Australia for undergraduate teaching quality for seven years in a row.

# WELCOME FROM THE EXECUTIVE DEAN AND ASSOCIATE DEAN RESEARCH

Welcome to the 2023 Annual Research Report for the School of Nursing and Midwifery, at Edith Cowan University.

We are delighted to share this overview of our research activity within the School. We celebrate another year of growth in our research and higher degree by research metrics, and we are excited to share these highlights, publications, and collaborations.

Both the Centre for Nursing, Midwifery and Health Services Research and the Centre for Research in Aged Care share a common mission to improve the health and wellbeing of communities and society through evidence-based innovations in nursing and midwifery practice.

In 2023 there was significant investment in research positions and strategic developments. Key highlights were the appointment of five new professors of research representing both nursing and midwifery. The first research internship program was a success with students completing an 8 week funded internship, mentored by world leading researchers. We also celebrated feedback from our higher degree by research students through the iPREP survey ranking the School as exceptional in relation to supervision, infrastructure and intellectual climate.

Thank you to everyone who collaborated with us and followed our research activities in 2023. We work with colleagues from around the world and contribute to improving the health and well-being of communities globally. We are proud of the vibrant network and academic community our staff and students create in the School of Nursing and Midwifery at ECU.



**Professor Karen Strickland**  
Executive Dean, School of Nursing & Midwifery



**Professor Lisa Whitehead**  
Associate Dean Research



# OUR RESEARCH CENTRES

The School of Nursing and Midwifery has two research centres with the common mission and commitment to improve the health and wellbeing of communities and society through evidence-based research, interventions and innovations in nursing and midwifery practice across the lifespan.

## CENTRE FOR NURSING, MIDWIFERY AND HEALTH SERVICES RESEARCH (CNMHSR)

The CNMHSR is led by Professor Lisa Whitehead. The CNMHSR's vision is to generate evidence through excellence in research that will inform clinical practice and improve outcomes for the global healthcare community. Within the centre, there are three research groups with the following research priorities:

### Childbearing, Children and Young People

- To discover and implement ways to improve the care and experience of childbearing women and their families through pregnancy and postpartum up to the age of 18 years.
- To positively impact local, national, and international practice in midwifery, children, and young people.

### Improving Outcomes for Adults with Chronic Conditions

- Self-management
- Families
- eHealth
- Nurse-led innovations

### Safety and Quality in Health Care

- Workforce
- Quality
- Improvement and quality assessment
- Adverse events and sentinel events
- Patient safety
- Professional accreditation policies
- Regulations and processes



## CENTRE FOR RESEARCH IN AGED CARE (CRAC)

The CRAC, led by Professor Davina Porock and launched in 2021, has continued to grow in strength and focus as a Centre dedicated to improving the living, dying, and caring of older adults in need of care and support. CRAC partners with aged and end-of-life services and researchers nationally and internationally, who share a passion for improving the experiences of older people receiving care, their families, the aged care workforce, and the systems that provide aged and end-of-life care.

This year our Centre has developed some exceptional partnerships with WA providers, and we are excited to present some of this work later in the report. We continue to collaborate with colleagues in many disciplines across ECU and beyond, in order to make a real-world impact on the quality of living, dying, and care for people as they age fostering a lifespan, life-course aware society free from ageism.

The CRAC's research programs this year have focused on:

- Person and relationship-centred care toward the end of life
- Nurse-led innovations in the care of older people
- Dignity and wellbeing
- Social Ageing (SAGE) Futures Lab
- Social and health psychology of ageing





## STRATEGIC RESEARCH DIRECTIONS 2022-2026

### OUR VISION

To be recognised as a leading nursing and midwifery school in Australia in the provision of innovative, high-quality education and translational research that makes a difference to the lives of people in our communities, locally, nationally, and internationally.

### OUR PURPOSE

To improve the health and wellbeing of communities for today and future generations by educating aspiring/transformational nursing and midwifery leaders through a lens of humanitarian principles of social justice, equity, and inclusion.

## ECU'S STRATEGIC GOALS FOR 2022-2026



### GOAL 1

Delivering an exceptional student experience for success in work and life



### GOAL 2

Undertaking impactful world-class research



### GOAL 3

Leading the sector in internationalisation



### GOAL 4

Empowering the talent and potential of our staff



### GOAL 5

Securing our future

# RESEARCH HIGHLIGHTS AWARDS AND RECOGNITIONS

## WA NURSE OF THE YEAR

Professor Lisa Whitehead was awarded the State's most prestigious nursing honour, being named Nurse/Midwife of the Year at the Department of Health's annual WA Nursing and Midwifery Excellence Awards.

Professor of Nursing Research and Associate Dean of Research at ECU's School of Nursing and Midwifery, Professor Whitehead was also honoured with the Excellence in Research Award.

In addition to educating the next generation of nurses and midwives, Professor Whitehead has 30 years of research experience.

Her work has focused on improving health outcomes for people living with chronic conditions, self-management interventions, and working with families to support the management of chronic conditions.

"I am passionate about improving the health outcomes of individuals, families and communities, and I've had the privilege of working with many amazing nurses and midwives to make this happen," she said.

Read more here: <https://www.ecu.edu.au/newsroom/articles/news/ecu-professor-named-wa-nurse-of-the-year>



## WOMEN'S HEALTH RESEARCH, TRANSLATION & IMPACT NETWORK EMCR AWARDS 2023

Dr Marina Weckend, Midwifery Researcher, received a 2023 Early-Mid Career Researcher Award from The Women's Health Research, Translation & Impact Network (WHRTN).



The WHRTN EMCR Awards help to strengthen the career development of women working across the breadth of women's health research. They provide timely funding for women with flexible and diverse needs to engage, train, empower and connect with women in a priority setting, research and translation.

She has 13 years' experience working as a clinical and independent midwife, in midwifery education, and women's health research. In 2023, Marina completed her PhD at Edith Cowan University, investigating variations in the pattern of normal, healthy labour and birth.

Having recently completed her doctoral research, this EMCR Award provides Marina with the perfect launch pad for further independent research in the area of women's health. Read more: <https://mailchi.mp/wahtn/wahtn-newsletter-march-15619455?e=4992a78690>

## SUCCESSFUL FIRST RESEARCH INTERNSHIP PROGRAM

In 2022, we invited applications from students at any stage of their course to work on supervised research projects for a period of eight weeks over the 2022/2023 summer period.

Seven research projects were undertaken by students, both undergraduates and HDR students, and completed their funded internships mentored by world leading researchers. The students were:

- Angelene Low
- Annie Chang
- Francine Ocampo
- Fungai Mbengo
- Gbemisola Alashi
- Gideon Ji
- Madi Oesterheld

We were also very proud to congratulate, Francine Ocampo on winning best poster at the International Congress on Innovations and Leadership in Nursing and Midwifery (ICILNM). Francine was supervised by Associate Professor Rosemary Saunders and undertook a systematic scoping review of hospital volunteer programs for older people in acute care.



### **RAMSAY HOSPITAL RESEARCH FOUNDATION'S RESEARCH IMPACT AWARD**

Associate Professor Rosemary Saunders was selected as the winner of the Ramsay Hospital Research Foundation's Research Impact Award, which recognises an individual or team whose research has made a significant impact on healthcare and patient outcomes.

Rosemary is an Associate Professor in the School of Nursing and Midwifery and Research Fellow at Hollywood Private Hospital (Ramsay). Rosemary's research over the past ten years has focused on improving the care of people in residential and acute care settings. Her research is underpinned by strong collaboration with consumers, nursing, medical and allied health researchers, and clinicians.

### **NURSING ALUMNUS'S IMPACT SPANS THREE CONTINENTS**

ECU's School of Nursing & Midwifery PhD student, Gideon Johnson was awarded a Charles Sturt University Distinguished Alumni Award for his service to health care across three continents.

Having previously completed two bachelor degrees and two postgraduate diplomas, Gideon is currently enrolled in a PhD in the School of Nursing and Midwifery, ECU and is conducting research on the development, implementation and evaluation of a novel intervention for delirium in an adult intensive care unit.

Read more: <https://news.csu.edu.au/feature/nursing-alumnuss-impact-spans-three-continents>



### **THE AUSTRALIAN COLLEGE OF MIDWIVES (ACM) FELLOW AWARD – PROFESSOR SARA BAYES**

Professor Sara Bayes was awarded the Australian College of Midwives (ACM) Fellow Award. This award was a wonderful acknowledgment of Sara as a midwife and her contributions to the profession, and as a member of the ACM.

With over 20 years of experience in the Midwifery field, Sara is committed to furthering our understanding of some of the problems faced by midwives, maternity services and the people who use them. She hopes to develop and implement effective solutions to those problems.



### **ECU EARLY-MID CAREER NETWORK SYMPOSIUM**

Dr Lesley Andrew was awarded the Best Presentation Award at the 2023 ECU Early-Mid Career Network Symposium.

Each year, 16 researchers across all ECU Schools are shortlisted to present at the Symposium with project presentations being evaluated on significance and impact. Lesley presented her research, undertaken with colleagues from the School of Medical and Health Sciences and School of Arts and Humanities, on mental health safe space co-design.

### **EXCEPTIONAL IPREP SURVEY RANKING**

Each year our Higher Degree by Research (HDR) students are surveyed and asked to provide feedback on their experience in areas including supervision, infrastructure and the intellectual climate of the School. We are delighted to share that our students have a 90% satisfaction rate with the quality of their higher degree by research experience at the ECU School of Nursing and Midwifery.

### **TOP 2% OF SCIENTISTS!**

Professor Lisa Whitehead and Professor Davina Porock were named in the top 2 per cent of researchers worldwide in the areas of public health and health services: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

# RESEARCH HIGHLIGHTS IN THE MEDIA

## FAMILIES CAN LIVE WELL WHEN A FAMILY MEMBER HAS DEPRESSION

Research conducted by PhD Graduate, Dr Amanda Cole, investigated the perspectives of family members living with someone with depression.

Dr Cole shared that the findings of her research showed that the entire family's needs should be considered when someone is treated for depression: "As a researcher and a registered nurse, it is my hope that the practice of nursing encompasses more than simply the patient/client, and embraces the whole family, offering everyone affected a way forward."

<https://www.ecu.edu.au/newsroom/articles/opinion/there-are-rays-of-sunshine-through-the-dark-clouds-families-can-live-well-when-a-family-member-has-depression>

## NO ONE DIES ALONE

The Centre for Research in Aged Care's Dr Melanie Baker and Professor Davina Porock, in partnership with Southern Cross Care (WA) Inc., were announced as recipients in the sixth round of ARIIA Grants Program.

Their project aims to create an evidence base for the timely introduction of the 'No One Dies Alone' program into residential aged care homes.

An article about the program, written by Kate Emery, was featured in numerous WA news outlets: [https://thewest.com.au/opinion/kate-emery-our-discomfort-with-death-means-tragically-many-die-alone-c-12467773?utm\\_campaign=share-icons&utm\\_source=clipboard&utm\\_medium=clipboard&tid=1704779528235](https://thewest.com.au/opinion/kate-emery-our-discomfort-with-death-means-tragically-many-die-alone-c-12467773?utm_campaign=share-icons&utm_source=clipboard&utm_medium=clipboard&tid=1704779528235)





## COMMUNITY SAFE SPACES COULD IMPROVE MENTAL WELLBEING AND EASE HEALTHCARE SYSTEM PRESSURE

There is a growing momentum for the creation of community-based safe spaces for people experiencing emotional distress or suicidal crises, as an alternative to visiting hospitals and emergency departments.

Dr Lesley Andrew's research explores the value of community based safe spaces: <https://www.ecu.edu.au/newsroom/articles/research/community-safe-spaces-could-improve-mental-wellbeing-and-ease-healthcare-system-pressure>

## AUSTRALIA HAS HAD SCHOOL NURSES FOR MORE THAN 100 YEARS – BUT WE DON'T USE THEM ENOUGH

A consultation paper written by the School's Dr Anita Moyes, looked at many aspects of teaching and learning, honing in on how to improve student mental health and wellbeing, paying attention to the role school nurses can play in school communities.

<https://theconversation.com/australia-has-had-school-nurses-for-more-than-100-years-but-we-dont-use-them-enough-210058>

## RESEARCH ADDRESSES CRITICAL NEED TO SUPPORT MIGRANTS WITH DEMENTIA AND THEIR FAMILIES

Edith Cowan University (ECU) was awarded more than \$1.4M in funding to improve social connections and access to services for people from culturally and linguistically diverse (CaLD) backgrounds living with dementia, and their caregivers. The 'BEFRIENDING with GENIE' research team will include six researchers from ECU, along with leading national and international researchers from the National Ageing Research Institute, The University of Sydney, University of Tasmania, University of Sydney, Swinburne University of Technology, University of Wollongong, University of Melbourne, Curtin, UWA, University of Southampton UK, City University of Hong Kong and Association for Culturally Appropriate Services, as well as several aged care service providers.

ECU's Professor Loretta Baldassar, from the School of Arts and Humanities, will lead the research team which includes the School of Nursing and Midwifery's Associate Professor Rosemary Saunders.

<https://www.ecu.edu.au/newsroom/articles/research/research-addresses-critical-need-to-support-migrants-with-dementia-and-their-families>



# PERFORMANCE OVERVIEW

## A SNAPSHOT OF 2023

This snapshot captures the combined performance for the School in 2023.



**97**  
PUBLICATIONS



**94%**  
OF RESEARCH PAPERS  
PUBLISHED IN  
QUARTILE 1 AND 2  
JOURNALS (AS  
RANKED BY SJR)



**94**  
PRESENTATIONS



**\$828k**  
IN GRANT  
FUNDING



**90+**  
COLLABORATIONS



**1.33**  
FIELD WEIGHTED  
CITATION INDEX



**90**  
HDR STUDENTS  
ENROLLED



**14**  
NEW HDR  
ENROLMENTS



**9**  
HDR  
COMPLETIONS



**75%**  
ACADEMICS IN  
THE SCHOOL  
ARE ELIGIBLE TO  
SUPERVISE HDR  
STUDENTS



OUR INTERNATIONAL HDR STUDENTS ARE FROM: SRI LANKA, BHUTAN, IRAN, CHINA, MALAWI, NIGERIA, SOUTH AFRICA, INDIA, GHANA, UK, GREECE, AND GERMANY

# OUR PERFORMANCE

## GRANTS

We continue to attract research funding to facilitate the growth of our research programs. We received funding from the following bodies in 2023:

- Ahpra
- Association for Academic Language and Learning
- Australian Health Research Alliance
- Department of Health and Aged Care
- Department of Health WA
- Edith Cowan University
- Hollywood Private Hospital Research Foundation
- JBI
- Ramsay Hospital Research Foundation
- WA Cancer and Palliative Care Network

## COLLABORATIONS AND JOINT PUBLICATIONS

In 2023, we co-published with 18 partners in WA, 43 national and 31 international partners. We have 53 Western Australian industry based research projects. Further details of projects and our industry partners are listed from page 23.

We value these collaborations and look forward to seeing these relationships continue to strengthen in 2024.



**18**  
STATE



**43**  
NATIONAL  
PARTNERSHIPS



**31**  
INTERNATIONAL  
PARTNERSHIPS



# KEY THEMES AND PRIORITY AREAS IN 2024



THANK YOU TO PROFESSOR LYNORE GEIA FOR THE ACKNOWLEDGEMENT OF COUNTRY.  
 LYNORE ENHANCED AWARENESS AND UNDERSTANDING THAT WE ARE WORKING ON ABORIGINAL LAND. WE PAY OUR RESPECTS TO ELDERS PAST AND PRESENT.





PROFESSOR LISA WHITEHEAD  
EDITH COWAN UNIVERSITY

TODAY IS AN OPPORTUNITY TO

- ☆ CONNECT WITH COLLEAGUES
- ☆ SHAPE THE RELAUNCH OF THE CENTRES & GROUPS
- ☆ INFORM & GUIDE OUR GOALS TO UNDERTAKE IMPACTFUL WORLD-CLASS RESEARCH

In November we held a Research Strategy workshop. The session was designed to be reflective, constructive and interactive.

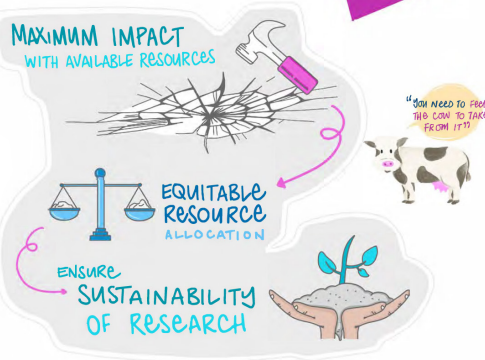
Staff and students were encouraged to discuss their ideas and provide input to inform the revisioning of the school's research centres and research groups.

The workshop also created a great opportunity for staff to connect with colleagues, celebrate wins and enjoy each other's company as the year drew to a close.

This sketch was created to summarise the key themes from the afternoon and our priority areas in 2024.



## RESOURCE OPTIMIZATION AND SUSTAINABILITY



"MINIMAL RESOURCE TO GAIN MAXIMUM OUTCOME"



## COMMUNITY ENGAGEMENT AND STAKEHOLDER INVOLVEMENT



"DIGI-2-CONSUMER"



# CENTRE FOR NURSING, MIDWIFERY & HEALTH SERVICES RESEARCH (CNMHSR) - FEATURED PROJECTS

## CHILDBEARING, CHILDREN AND YOUNG PEOPLE RESEARCH GROUP – LED BY PROFESSOR EVALOTTE MÖRELIUS AND ASSOCIATE PROFESSOR MICHELLE GRAY

### Hidden and Unacknowledged: The Mental Health and Psychosocial Interventions Delivered by School Nurses in Western Australia.

**Investigators:** Anita Moyes, Shirley McGough, Dianne Wynaden.

School nurses frequently encounter young people experiencing mental health problems, but little is known about the work they engage in with this group. In this classic grounded theory study (Glaser and Strauss, 1967) the researchers interviewed 31 secondary school nurses from urban and regional areas in Western Australia.

The findings identified that school nurses provide care to young people experiencing complex issues such as suicidal ideation and deliberate self-harm, bereavement, conflict with peers, sexual health concerns, family and relationship problems, exam stress, and drug use. School nurses felt confident identifying and referring young people for treatment, but this was often not enough and young people frequently returned to them for further support. In response, school nurses had developed a toolbox of intervention strategies. The aim of these was to provide support for psychological distress, improve the young person's social and occupational functioning, encourage the development of important life skills, and promote continued school engagement.

The study findings highlight that this work is largely hidden and unacknowledged. School nurses have significant potential to improve the mental health of children and young people. Further research investigating this role is urgently required.

**Moyes, A.,** McGough, S., & Wynaden, D. (2023). Hidden and unacknowledged: The mental health and psychosocial interventions delivered by school nurses in Western Australia. *International Journal of Mental Health Nursing*. <https://doi.org/10.1111/inm.13261>

### Optimising Family Involvement in Escalation System at Perth Children's Hospital

**Investigators:** Dr Esther Adama and Associate Professor Fenella Gill Perth Children's Hospital (PCH) Nursing Research Department

Involving families in their hospitalised child's assessment is essential for timely recognition and management of deterioration. To identify the barriers and develop solutions for family involvement in escalation, we investigate the perspectives and experiences of families and health professionals (nurses and doctors) on family involvement in assessment and recognition of deterioration.

Working in collaboration with the Perth Children's Hospital (PCH) Nursing Research Department, led by Associate Professor Fenella Gill, Dr Esther Adama is leading the "Optimising Family Involvement in Escalation System at PCH" study (Sub-study 2). Sub-study 2 is part of a broader Safer Care for Children in Hospital research project which consists of four sub-studies.

Using a mixed methods approach, sub-study 2 is aimed at optimising family involvement in escalation. Quantitative data from families and health professionals were collected using evidence-based survey tools developed through rigorous process of consumer engagement. Additionally, qualitative data were obtained through in-depth interviews with families and focus group discussions with health professionals.

Preliminary findings have been shared at various conferences — Australian College of Children and Young People's Conference, Psi Alpha Research symposium, Child Health Symposium and Aboriginal Health 2023. Data analysis is ongoing and through active consumer engagement, we will develop recommendations for practice.



## Childbirth, Children and Young People

**In January 2023 Associate Professor Michelle Gray and Dr Esther Adama were seconded to the Perth Childrens Hospital (PCH) and Child and Adolescent Health Service (CAHS).**

Michelle Gray is collaborating with the CAHS team and mentoring Mrs Pamela Saman on a project to examine the transfer of care of families with identified vulnerabilities through the special referral process in Western Australia between maternity services and Child and Adolescent Health Service (CAHS). The Sustainable Health report identified concern that services were not working effectively to manage vulnerable families at risk.

The project aims to investigate the barriers that impede the safe transition of care when patients are transferred between services, to determine what factors are preventing the timely receipt of special referral notifications by child health nurses on transfer of care from maternity services. A quality and safety evaluation has been completed, which evaluated the processing of all births that occurred in September 2022. A report has been written for CAHS Nursing Executive Team and findings presented at local conferences.

A qualitative research project will examine the perspectives of key personnel involved in the transfer of care of families with vulnerabilities between public and private maternity services in Western Australia. Individual and focus group interviews will be undertaken with child health nurses and managers, midwives in public and private hospitals and in private midwifery practice, neonatal nurses discharging infants from neonatal intensive care units (NICU), social workers, and data entry personnel. A socio-ecological framework will be used to analyse the data, useful in creating findings that are practice orientated. Recommendations for practice will emerge from the data collected from key participants with lived experience of the phenomenon.

### Outputs - Conferences

**Gray, M. Saman, P., Gavidia, T. (2023)** Examination of the transfer of care of families with identified vulnerabilities through the special referral process in Western Australia between maternity services and Child and Adolescent Health Service (CAHS) 2023 Psi Alpha Research Symposium Friday 27th October, 2023.

**Gray, M. Saman, P., Gavidia, T. (2023)** Audit of Aboriginal and Torres Strait Islander people(s) Special Referral Process to Child Health Services, Child Health Symposium, Celebrating Innovation, Collaboration and Translation, 8-10 November 2023, Perth Children's Hospital.

## IMPROVING OUTCOMES FOR ADULTS WITH CHRONIC HEALTH CONDITIONS – LED BY PROFESSOR LISA WHITEHEAD

### The Department of Health WA commissioned a review of interventions, programmes and resources that address culturally and linguistically diverse consumer and carers' cancer information needs.

**Investigators: Lisa Whitehead, Deborah Kirk, Pelden Chejor, Weiting Liu and Minh Nguyen.**

The objective of this review was to identify and evaluate the development and effectiveness of interventions, programmes and resources to address the information needs of consumers and carers from culturally and linguistically diverse (CaLD) backgrounds in relation to cancer.

Culturally and linguistically diverse consumers and carers have been identified as experiencing high levels of unmet need relating to information and support across the cancer journey. This review identified and evaluated the effectiveness of strategies to meet the information needs of consumers and carers from CaLD backgrounds across the cancer journey.

We considered papers that reported on interventions, programmes or resources developed for adults (aged 18 years and over) from CaLD communities in relation to the prevention of cancer, cancer treatment or life after cancer.

A key recommendation from this review is that the development of content and the implementation of interventions both require careful and well-planned community engagement. The key stages in the creation of information, resources and interventions for CaLD communities developed through the synthesis were:

- engagement with a methodology that supports consultation and cycles of feedback,
- the use of a framework to guide the theoretical and therapeutic components of the engagement and evaluation process,
- involvement of the community at all stages of development,
- implementation driven by community relevant approaches to support the process of introducing, delivering and evaluating information, resources and interventions.

A publication will be available in the near future.

### Evaluation of the Virtual Home Health Heart Failure Program

**Investigators: Beverley Ewens, Rosemary Saunders, Nilufeur McKay, Helene Metcalfe, Sue Robinson, Peter Palamara, Lisa Whitehead.**

Heart Failure (HF) affects between 1% to 2% of the Australian population, which suggests an estimated 480,000 Australians will experience this condition, with over 60,000 new diagnoses made every year. The continued ageing of the Australian population is expected to further increase the burden of HF on the healthcare system, and on primary health care more specifically. This project evaluated the Virtual Home Health Heart Failure Program (VHHHFP), a unique post discharge interdisciplinary intervention and support program, which is fully virtually delivered, included remote patient monitoring and support for guideline directed medical treatment by specialist nurses.

An equal-status concurrent qualitative and quantitative mixed methods study was conducted as a collaboration between Edith Cowan University (ECU), Ramsay Connect and Remedy Health Care. The study focused on outcomes post the completion of a 12-week intensive component of the program. Quantitative data were collected from the patient participants via a range of validated tools to measure health outcomes. Patients, family members and health care provider participants were invited to participate in one-on-one interviews to share their experiences of the program and suggest potential improvements. Health care providers invited to participate included cardiologists, GPs, allied health personnel and registered nurses. The Capability, Comfort and Calm Framework (CCC Framework), a value-based, person-centred framework was used to report the qualitative data and to formulate emerging themes. Health service utilisation data including patient participant exacerbations, escalations and hospitalisation data were also collected.

Finalisation of the report has been completed. A publication will be available in the near future reporting the outcomes and recommendations.





## SAFETY AND QUALITY IN HEALTHCARE – LED BY PROFESSOR DEBBIE MASSEY

### The impact of the mandated practice of Early Warning System tools on the development of nurses' higher-order thinking

**Investigators:** Dr Danielle Le Lagadec (Chief Investigator/Lead), Ms Justine Connor, A/Prof Tracy Flenady and **Professor Debbie Massey**

Many algorithmic matrices have been implemented in healthcare settings to enhance patient safety by supporting clinical decision making and guiding nursing care. One such matrix is the Early Warning System (EWS); based on patients' physiological vital signs, EWS tools alert health care staff to patients' clinical deterioration. Patient deterioration detection systems have been mandated in all Australian healthcare facilities for over a decade. As a result, EWS's have become a core component of contemporary nursing practice and are introduced to novice nurses during their undergraduate studies.

The health care environment is increasingly complex and to provide safe and effective nursing care, competencies in higher cognitive skills are essential. It has been suggested that an over-reliance on algorithms may affect the development of higher-order thinking resulting in an over-dependence on EWS tools to guide nursing care. In this study we aimed to ascertain whether the use of algorithmic matrices, such as EWS, affects the development of nurses' higher-order thinking. Findings from this study will not only serve to inform nursing practice but will also have direct application in other industries that rely on algorithmic matrices, checklists, or similar tools to guide decision making. The findings may also inform the pedagogy of algorithmic matrices, such as EWS, in the undergraduate nursing curriculum.

We undertook three studies as part of this research project:

1. A systematic review to assess if EWS affects the development of registered nurses' higher-order thinking.
2. A qualitative analysis of a Qualtrics survey were thematically analysed and presented.
3. A descriptive exploratory survey using a validated tool to evaluate if mandated use of EWS tools impact the development of their higher-order thinking using a validated tool.

Flenady, T., **Massey, D.**, Connor, J., Amy-Louise Byrne., Le Lagadec, D., (2024) The impact of mandated use Early Warning System tools on the development of nurses' higher-order thinking: A systematic review. Accepted by *Journal of Clinical Nursing* Jan 2024.

**Massey, D.**, Flenady, T., Connor, J., Byrne, AL., Le Lagadec, D., (2024) 'White lies and safety nets': The perceptions of nurses on the use of Early Warning Systems and the development of higher order thinking skills. Submitted to *Australian Critical Care* Jan 2024.

Lagadec, D., **Massey, D.**, Flenady, T., Connor, J., Louise Byrne, AL., Flenady, T., (2024) Nurse by numbers: The impact of early warning systems on nurses' higher-order thinking, a quantitative study. Submitted to *Journal of Advanced Nursing* Jan 2024.



## Evidence-based guidelines for intrapartum maternal hydration assessment and management: A scoping review

**Investigators:** Lauren Kearney, Alison Craswell, Nellie Dick, **Debbie Massey**, Rachael Nugent.

Labour and birth are physically demanding, and adequate nutrition and hydration are essential for labour progress. A lack of clear consensus on intrapartum hydration assessment and management during labour and birth currently exists. In addition, there is an inconsistent approach to managing hydration, often including a mixture of intravenous and oral fluids that are poorly monitored. The aim of this scoping review was to identify and collate evidence-based guidelines for intrapartum hydration assessment and management of maternal hydration during labour and birth.

Despite searching all appropriate databases in maternity care, we were unable to identify evidence-based guidelines specific to hydration assessment and management, therefore resulting in an “empty review.” A subsequent review of general intrapartum care guidelines was undertaken. Our adapted review identified 12 guidelines, seven of which referenced the assessment and management of maternal hydration during labour and birth. Three guidelines recommend that “low-risk” women in spontaneous labour at term should hold determination over what they ingest in labour. No recommendations with respect to assessment and management of hydration for women undergoing induction of labour were found.

Despite the increasing use of intravenous fluid as an adjunct to oral intake to maintain maternal intrapartum hydration, there is limited evidence and, subsequently, guidelines to determine best practice in this area. How hydration is assessed was also largely absent from general intrapartum care guidelines, further perpetuating potential clinical variation in this area.

There is an absence of guidelines specific to the assessment and management of maternal hydration during labour and birth, despite its importance in ensuring labour progress and safe care.

Kearney, L., Craswell, A., Dick, N., **Massey, D.**, & Nugent, R. (2023). Evidence-based guidelines for intrapartum maternal hydration assessment and management: A scoping review. *Birth*.



## Fallen angels and forgotten heroes: A descriptive qualitative study exploring the impact of the angel and hero narrative on critical care nurses.

**Investigators:** J Stokes-Parish, David Barrett, Rosalind Elliott, **Debbie Massey**, Kaye Rolls, Nicki Credland.

During the COVID-19 pandemic, the use of the labels 'heroes' and 'angels' to describe nurses (and especially critical care nurses) became prevalent. While often well intentioned, the use of these labels may not be the most positive image of nurses and the nursing profession. Critical care nurses have not previously been given the opportunity to provide their perceptions of the angel/hero narrative and the impact this may have on their practice and working environments.

The objectives of this study were to explore the perspectives of critical care nurses and discover their perceptions about the angel/hero narrative and its impact on their clinical practice, safe working environments, and professional development during the COVID-19 pandemic.

A semistructured qualitative virtual interview study was conducted with critical care nurses from the United Kingdom, Australia, and North America. Digital audio data were transcribed verbatim. Thematic analysis of the transcribed data was performed. The COREQ guidelines were used to report the study.

Twenty-three critical care nurses located in the United Kingdom, Australia, and North America participated. Four themes were synthesised: history repeating, gender stereotypes, political pawns, and forgotten heroes.

Critical care nurses did not perceive the hero and angel labels positively. Participants were concerned about unrealistic expectations, potential safety workplace risks, and poor remuneration related to these narratives. Participants perceived that context and intention were important in the interpretation of these narratives; they spoke with pride about their work and called for improved representations of their role, recognition, and work conditions.

Stokes-Parish, J., Barrett, D., Elliott, R., **Massey, D.**, Rolls, K., & Credland, N. (2023). Fallen angels and forgotten heroes: A descriptive qualitative study exploring the impact of the angel and hero narrative on critical care nurses. *Australian critical care*, 36(1), 3-9.

## A practical approach to establishing a critical care outreach service: An expert panel research design.

**Investigators:** Ged Williams, Alison Pirret, Nicki Credland, Mandy Odell, Chris Raftery, Duncan Smith, Fiona Winterbottom, **Debbie Massey**.

For over two decades, nurse-led critical care outreach services have improved the recognition, response, and management of deteriorating patients in general hospital wards, yet variation in terms, design, implementation, and evaluation of such services continue. For those establishing a critical care outreach service, these factors make the literature difficult to interpret and translate to the real-world setting. The aim of this study was to provide a practical approach to establishing a critical care outreach service in the hospital setting.

An international expert panel of clinicians, managers, and academics with experience in implementing, developing, operationalising, educating, and evaluating critical care outreach services collaborated to synthesise evidence, experience, and clinical judgment to develop a practical approach for those establishing a critical care outreach service. A rapid review of the literature identified publications relevant to the study. A modified Delphi technique was used to achieve expert panel consensus particularly in areas where insufficient published literature or ambiguities existed.

There were 502 publications sourced from the rapid review, of which 104 were relevant and reviewed. Using the modified Delphi technique, the expert panel identified five key components needed to establish a critical care outreach service: (i) approaches to service delivery, (ii) education and training, (iii) organisational engagement, (iv) clinical governance, and (v) monitoring and evaluation.

An expert panel research design successfully synthesised evidence, experience, and clinical judgement to provide a practical approach for those establishing a critical care outreach service. This method of research will likely be valuable in other areas of practice where terms are used interchangeably, and the literature is diverse and lacking a single approach to practice.

Williams, G., Pirret, A., Credland, N., Odell, M., Raftery, C., Smith, D., ... & **Massey, D.** (2023). A practical approach to establishing a critical care outreach service: An expert panel research design. *Australian Critical Care*, 36(1), 151-158.

# CENTRE FOR RESEARCH IN AGED CARE (CRAC)

## FEATURED PROJECTS

### Optimising outcomes for frail hospitalised older adults - volunteer support and pain assessment interventions: A cluster randomised control trial

**Investigators:** Associate Professor Rosemary Saunders, Dr Kate Crookes, Dr Marcus Ang, Professor Caroline Bulsara, Professor Max Bulsara, Associate Professor Beverley Ewens, Dr Olivia Gallagher, Karen Gullick, Sue Haydon, Professor Jeff Hughes, Dr Kim-Huong Nguyen, Dr Kaoru Nosaka, Professor Bev O'Connell, Dr Karla Seaman, Professor Christopher Etherton-Beer

Australia's population is increasingly ageing. Given that ageing is closely linked with frailty, the increasing frail ageing population is a challenge for health services. In hospital, frailty is known to result in adverse outcomes such as falls, fractures, functional dependence, post-operative complications, increased length of stay, readmission to hospital, and death during hospitalisation. Poor pain assessment and pain management are linked to frailty and delirium.

Pain can often be undiagnosed or misdiagnosed in older adults especially if the patient has cognitive impairment (e.g., dementia). PainChek® Universal is an app that uses face recognition technology and user completed checklists to assess pain in patients unable to self-report using traditional numeric scales.

There were two parts to this project, a prevalence study and an intervention study. The prevalence study aimed to provide a snapshot of frailty and pain across the hospital on a single day. All patients admitted to the hospital were invited to complete a survey assessing frailty and pain. Results from 251 participants found that 26.7% were frail, 68.1% were currently experiencing pain and 81.3% had experienced pain in the last 24 hours.

The intervention study aimed to evaluate the effectiveness of nurse-led volunteer support and technology-driven pain assessment (PainChek® Universal) in preventing the progression of frailty. Over 60 volunteers were trained to provide support to older adults in hospital and nursing staff were trained to assess pain using PainChek® Universal. The interventions ran for 12 months.

Stakeholder (patient, family, staff and volunteer) evaluations indicated positive perceptions of both volunteer support and technology-driven pain assessment while also identifying room for improvement in communication regarding both interventions. Analysis of patient frailty and other clinical outcomes did not reveal any effect of the interventions. An economic analysis will also be conducted.

**Saunders, R., Crookes, K., Seaman, K., Ang, S.G.M., Bulsara, C., Bulsara, M.K., Ewens, B., Gallagher, O., Graham, R., Gullick, K., Haydon, S., Hughes, J., Nguyen, K.-H., O'Connell, B., Scaini, D., Etherton-Beer, C.** (2023). Frailty and pain in an acute private hospital: an observational point prevalence study. *Scientific Reports*, 13, 3345. <https://doi.org/10.1038/s41598-023-29933-x>.

**Saunders, R.** (2023). Optimising outcomes for hospitalised older adults – nurse led volunteer support interventions: A stakeholder evaluation. Presentation at International Congress on Innovations and Leadership in Nursing and Midwifery, 11-12 May.

**Gallagher, O.** (2023). Frailty and pain prevalence in hospitalised oncology patients: A descriptive observational study. Poster presented at 56th Australian Association of Gerontology Conference, 14-17 November.





## Dying at Home

**Investigators: Professor Davina Porock, Dr Trish Cain, Dr Melanie Baker, Maria Davison (CEO Melville Cares Inc.), Mayumi Kumarage, Liz Mortley**

Dying at Home is a comprehensive evidence-driven, transformational practice change program of research and innovation designed to address the explicit concerns and requests from home-care clients for more information and support to ensure they can die well at home. Melville Cares is a large home care provider that has a dynamic approach, seeing innovation as an imperative, as it is clear the future of aged care is in people's homes. Providing the best care possible and being ahead of the curve in home care for older people aligns so well with the philosophy of CRAC and this makes our partnership exciting and productive.

The program of work includes using Porock's prognostic model to identify clients with a high likelihood of dying in the next six months. These clients will be offered a comprehensive planning intervention for themselves and family/network members that goes beyond advance directives for medical decision-making. The aim is to demystify the dying process and reskill families to enable end of life care to be carried out at home by family members with the support of home care services, general practitioners, and specialist palliative care as needed.

### Poster:

Davison, M., **Baker, M., Cain, P., Kumarage, M., Mortley, E., Porock, D.** (2023) "Exploring the needs of informal carers preparing for end-of-life care at home. 56th Australasian Association of Gerontology Conference. Gold Coast, Australia

## No One Dies Alone – NODA

**Investigators: Dr Melanie Baker, Professor Davina Porock, Ian Simms (Pastoral Care, Southern Cross Care Inc.), Shallyse Loveland, Kylee Eaton**

NODA is a volunteer-based service which aims to provide companionship for patients or residents who are dying and do not have a family member or friend to keep vigil with them. NODA as a structured program was initially developed in the USA and has been adopted in many places including residential aged care. Southern Cross Care is a well-established not for profit aged and disability care provider in WA with eight residential care facilities. Around 40% of the residents do not have family or regular visitors and it is these residents in particular that the NODA program aims to support.

What is innovative about Southern Cross Care's approach to NODA is the use of a new tool developed by the CRAC team to help the nursing staff determine the proximity to death using evidence-based symptom assessment. The Practice Guide to Recognising Active Dying (PGRAD) aims to assess when a resident who is dying is 72, 48, and 24 hours to death. This tool will be used to notify family of residents where possible and to ensure that volunteers are called in 48-24 hours before death. A great deal of interest in being a NODA volunteer has been shown. We will work with Southern Cross Care to evaluate the NODA program and the effectiveness of the PGRAD over the next few months. This program was funded by ARIIA (Aged Care Research and Industry Innovation Australia).

### Media Content:

[https://thewest.com.au/opinion/kate-emery-our-discomfort-with-death-means-tragically-many-die-alone-c-12467773?utm\\_campaign=share-icons&utm\\_source=clipboard&utm\\_medium=clipboard&tid=1704779528235](https://thewest.com.au/opinion/kate-emery-our-discomfort-with-death-means-tragically-many-die-alone-c-12467773?utm_campaign=share-icons&utm_source=clipboard&utm_medium=clipboard&tid=1704779528235)



## OUR INDUSTRY RESEARCH PARTNERSHIPS

We continue to collaborate with our industry partners to develop translational research programs. This enables us to generate the best possible evidence to inform clinical practice.

## DEPARTMENT OF HEALTH WESTERN AUSTRALIA

Our projects with the Department of Health, Western Australia, aim to evaluate programs and frameworks to support and develop the nursing and midwifery workforce.

PROJECT TITLE	INVESTIGATORS
Birthing on Country – Connected to Country, Birthing on Country, On Country we Grow.	<b>Di Bloxsome, Lisa Whitehead</b> , Dan MacAullay.
CaLD consumers and carers cancer information needs: A Mixed Methods Systematic Review.	<b>Lisa Whitehead, Deborah Kirk, Minh Nguyen</b> .
Development of a Supportive Practice Environment Framework.	<b>Gemma Doleman, Di Twigg, Lisa Whitehead, Di Bloxsome</b> .

## CHILD AND ADOLESCENT HEALTH SERVICE

Our partnership with the Perth Children’s Hospital continued to thrive through a number of projects.

PROJECT TITLE	INVESTIGATORS
Parent-infant bonding in the NICU.	Laurene Aydon, Zoe Bradfield, Stuart Watson, Joanne Beedie, <b>Evalotte Mörelius</b> .
Validation of the Australian Hospital Patient Experience Question Set for Parents (AHPEQS-Child) in Western Australia.	Helen Nelson, Cathy Pienaar, Katie McKenzie, Anne Williams, Girish Swaminathan, <b>Evalotte Mörelius</b> .
Examination of the transfer of care of families with identified vulnerabilities through the special referral process in Western Australia between maternity services and Child and Adolescent Health Service.	<b>Michelle Gray</b> , Pamela Saman.
Optimising Family Involvement in Escalation System at Perth Children’s Hospital.	<b>Esther Adama</b> , Fenella Gill, Eileen Boyle, Huaqiong Zhou, Tania Harris, Pam Laird, Scott Stokes, Jon Howard, Jo Moulin, Meredith Borland & Gavin Leslie.

## HOLLYWOOD PRIVATE HOSPITAL

Our partnership with Hollywood Private Hospital commenced in 2017 with the joint appointment of Associate Professor, Rosemary Saunders, and in 2021, Dr Marcus Ang. These appointments enable the development of clinically driven research projects in partnership with clinical staff.

PROJECT TITLE	INVESTIGATORS
Appropriateness, Feasibility and Acceptability of a Nurse-Led Volunteer Support Program for Older Adults in Hospital.	<b>Rosemary Saunders</b> , Christopher Etherton-Beer, Jeff Hughes, <b>Olivia Gallagher, Marcus Ang</b> , Karol Edge, Tracey Sario, Alison Lord.
Improving pain assessment for hospitalised older adults following orthopaedic surgery using a technology-driven pain assessment: An effectiveness-implementation pilot study.	<b>Rosemary Saunders</b> , Christopher Etherton-Beer, Jeff Hughes, <b>Olivia Gallagher, Marcus Ang, Amineh Rashidi, Irene Ngune</b> , Karol Edge, David Dineen.
Optimising outcomes for frail hospitalised older adults – volunteer support and pain assessment interventions: A cluster randomised control trial.	<b>Rosemary Saunders, Kate Crookes, Karla Seaman, Marcus Ang</b> , Caroline Bulsara, <b>Bev Ewens, Olivia Gallagher, Karen Gullick</b> , Sue Haydon, Jeff Hughes, Kim-Huong Nguyen, <b>Bev O’Connell</b> , Christopher Etherton-Beer.

## PROJECT TITLE

Improving communication to enhance patients' health literacy, empowerment, and self-management of heart failure.

Improving care for older adults with cognitive impairment in hospital through nurse led volunteer support interventions and a technology driven pain assessment.

Falls in an acute mental health setting: A retrospective review.

Impact of family carers' fall concern on the risk of falling among older people.

Falls prevention in older patients in hospital settings: Survey the opinions of nurses.

## INVESTIGATORS

Diana Slade, Chris Etherton-Beer, Karen Gullick, **Ben Irish**, Walter Abhayaratna, Peter Schulz, **Rosemary Saunders**, Susy Macqueen, **Nilufeur McKay**, Philip Currie, Christopher Rouen, Suzanne Eggins, Sue Haydon.

**Rosemary Saunders, Kate Crookes, Karla Seaman, Marcus Ang**, Caroline Bulsara, **Beverley Ewens, Olivia Gallagher, Karen Gullick**, Jeff Hughes, Kim-Huong Nguyen, Christopher Etherton-Beer, **Ben Irish**, Michelle Young, Tania Leach, Kate Caldcleugh-Johnson, Gail Hollands, Margaret Sedgman.

**Marcus Ang, Rosemary Saunders, Irene Ngune**, Nicolette Sagaram, Suzanne Craigie, Nicola Baillie, **Karen Gullick**.

**Marcus Ang, Rosemary Saunders, Karen Gullick**, Charlotte Foskett, Sue Haydon, Christopher Etherton-Beer, Rosalind Siah, Amanda Wilson.

Anne-Marie Hill, Sharmila Vaz, Meg Morris, Linda Shelley, Vinicius Cavalheri, **Marcus Ang**.

## JOONDALUP HEALTH CAMPUS

Our collaborative work with Joondalup Health Campus (JHC) has seen growth in mutually developed research programs to generate outcomes that will inform clinical practice across a range of disciplines.

## PROJECT TITLE

Preparing the Nursing Workforce for a Pandemic response.

Nurse led volunteer support interventions and a technology driven pain assessment for older adults with cognitive impairment in hospital.

Improving communication to enhance patients' health literacy, empowerment, and self-management of heart failure.

Diabetes during Pregnancy: ORIGINS subproject.

ICUTogether. The impact of a web-based recovery program on the mental health and wellbeing of intensive care survivors: An intervention study.

Evaluation of a Virtual Home Health Heart Failure Program.

## INVESTIGATORS

**Lisa Whitehead, Olivia Gallagher, Istvan Kabdebo, Christine Duffield, Di Twigg**

**Rosemary Saunders, Bev Ewens, Marcus Ang, Olivia Gallagher, Kate Crookes, Ben Irish**, Michelle Young, Tania Leach, Christopher-Etherton Beer, Jeff Hughes, Caroline Bulsara, **Paige Watkins**

Diana Slade, **Rosemary Saunders**, Chris Etherton-Beer, Walter Abhayaratna, Peter Schulz, Susy Macqueen, **Nilufeur McKay**, Philip Currie, **Christopher Rouen**, Suzanne Eggins, Sue Haydon

**Diana Arabiat, Lisa Whitehead**, Telethon Kids Institute, JHC.

**Bev Ewens, Deb Sundin, Mandy Towell-Barnard, Lisa Whitehead**

**Bev Ewens, Lisa Whitehead, Rosemary Saunders, Nilufeur McKay**

Please note: Names in **bold** indicate author based in the School of Nursing and Midwifery, Edith Cowan University



## PROJECT TITLE

## INVESTIGATORS

The social and emotional support of nursing staff - A WA wide study.

**Martina Costello, Olivia Gallagher, Deb Sundin**

Contemporary idiopathic childhood constipation health education within the primary health care setting and its utilisation by families living in Perth, Western Australia: A mixed methods study.

**Davina Houghton, Diana Arabiat, Evalotte Mörelius, Deb Ireson**

Frequency of filter ionised calcium measurements during continuous renal replacement therapy with regional citrate anticoagulation.

**Tor Topping, Hugh Davies, Ulrich Steinwandel**

## FIONA STANLEY HOSPITAL

Our partnership with Fiona Stanley Hospital continues to generate research to inform evidence-based practice.

## PROJECT TITLE

## INVESTIGATORS

Healthcare professional perceptions and experiences of readmissions in the Coronary Care Unit in the UK and Australia.

**Amineh Rashidi, Lisa Whitehead**, Courtney Glass, **Mandy Towell-Barnard**, Mark Makokha, Rebecca Larsen, **Ian Jones**, Tootie Bueser.

Healthcare professional perceptions and experiences of discharge planning in the Coronary Care Unit in the UK and Australia.

**Amineh Rashidi, Lisa Whitehead**, Courtney Glass, **Mandy Towell-Barnard**, Mark Makokha, Rebecca Larsen, **Ian Jones**, Tootie Bueser, Lisa Newson. Rosemary Saunders, Kaoru Nosaka

Using health beliefs model to explore patients and nurses' perceptions of treatment adherence: a qualitative study.

**Amineh Rashidi, Lisa Whitehead**, Mark Makokha, Rebecca Larsen, Rosemary Saunders, Sue Robinson, Prachi Kaistha and Andrea Connolly.

Recognising and Responding to Acute Deterioration Experiences at Fiona Stanley Fremantle Hospital Group (FSHFG).

Gavin Leslie, **Melissa Mellan**, Anna Rowe & **Dr Olivia Gallagher**.

Development, implementation and evaluation of an Emergency Department rapid response system service.

**Melissa Mellan, Olivia Gallagher, Rosemary Saunders**.

Nurse middle managers satisfaction with organisational communication and the impact on their job satisfaction, burnout, and intention to stay.

Gemma Coleman, **Annie De Leo**, Rachel West, **Di Twigg**.

Confirming the usability of an online implementation program for midwives wanting to lead practice change in the clinical setting.

**Annie De Leo, Sara Bayes**, Linda Sweet, **Di Bloxsome**.

Evaluating the implementation of an AIN program in the acute maternity setting: Perspectives of midwives and midwifery students.

**Annie De Leo, Carol Crevacore**, Petrovia Fisher.

Upskilling nursing workforce to treat COVID-19 disease using hospital ward/ICU simulation and training facilities.

**Lisa Whitehead, Olivia Gallagher, Di Twigg, Christine Duffield**.

## SIR CHARLES GAIRDNER HOSPITAL

Our longstanding partnership with Sir Charles Gairdner hospital has generated many joint projects that aim to develop clinically focused research.

PROJECT TITLE	INVESTIGATORS
Prevalence of pressure injury over 20 years at a tertiary hospital.	<b>Linda Coventry</b> , Nicole Walsh, <b>Sue Davis</b> , <b>Di Twigg</b> .
Pressure injury (nurses' knowledge and attitudes).	<b>Linda Coventry</b> , <b>Mandy Towell-Barnard</b> , Nicole Walsh, <b>Di Twigg</b> .
Surgical wound dehiscence after liver transplant.	Carl Yuile, Tamar Jones, Sarah Byrne, Susan Slatyer, Tarryn Isard, Calina Ting, Lingjun Mou, Jaques Byron, Megan Collins, <b>Linda Coventry</b> .
Use of midline catheters compared with no midline catheter in neurosurgical patients: A retrospective cohort study and economic analysis.	<b>Linda Coventry</b> , Shirine Richards, Loretta Murphy, Lynda Parris, Nicole Marsh, <b>Hugh Davies</b> , Elisabeth Jacob, Alycia Jacob.
Assessing Patient Acuity and Frailty in Haemodialysis Patients.	Doris Chan, <b>Linda Coventry</b> , Wai Lim, Charlotte Ekstrom.
Assessing the suitability of oncology patients to be managed by a Symptom and urgent Review Clinic: A cohort study, a thematic analysis and economic analysis.	<b>Linda Coventry</b> , C Broderick., J Francis, <b>Lucy Gent</b> , <b>Deborah Kirk</b> , <b>Karen Strickland</b> , Debbie Brown, Marshall Makate, <b>Lisa Whitehead</b> , Rachel Dillon, Kevin Jasas.
Psychometric properties of the Staff Perceptions of Pandemic Management Scale.	<b>Gemma Doleman</b> , <b>Beverly O'Connell</b> , <b>Linda Coventry</b> , Paola Chivers.
Staff perceptions of effectiveness of hospital wide communication during the COVID-19 pandemic.	<b>Gemma Doleman</b> , <b>Linda Coventry</b> , <b>Mandy Towell-Barnard</b> , <b>Manonita Ghosh</b> , <b>Lucy Gent</b> , <b>Rosemary Saunders</b> , <b>Beverly O'Connell</b> .
Nurse middle managers satisfaction with organisational communication and the impact on their job satisfaction, burnout, and intention to stay.	<b>Gemma Doleman</b> , <b>Di Twigg</b> , Rachel West. <b>Annie De Leo</b> .
The impact of patient bed moves on nurse-sensitive outcomes: An economic evaluation.	<b>Gemma Doleman</b> , <b>Di Twigg</b> , Joanne Spetz, <b>Helen Myers</b> .
The impact of the COVID-19 health pandemic on junior doctors and nurses' workloads.	<b>Gemma Doleman</b> , <b>Di Bloxsome</b> , <b>Annie De Leo</b> , <b>Min Zhang</b> .
Evaluation and development of the Professional Practice Model (PPM).	<b>Gemma Doleman</b> , <b>Di Twigg</b> , Anne Mathews.
Upskilling nursing workforce to treat COVID-19 disease using hospital ward/ICU simulation and training facilities.	<b>Lisa Whitehead</b> , <b>Olivia Gallagher</b> , <b>Di Twigg</b> , <b>Christine Duffield</b> .
The experiences of patients with class III obesity and their journey in the acute care setting: A heuristic inquiry.	<b>Beverley Ewens</b> , <b>Mandy Towell-Barnard</b> , Jacqui Lofthouse, Anne Matthews, Naree Cowen, <b>Lisa Whitehead</b> .

Please note: Names in **bold** indicate author based in the School of Nursing and Midwifery, Edith Cowan University

## PROJECT TITLE

## INVESTIGATORS

Healthcare workers perceptions of aggression and violence in the acute care setting in WA: A cross-sectional survey.

**Mandy Towell-Barnard**, Pearl Kennon, **Lucy Gent**.

Evaluating the impact of a Safety for Staff Education Program (S4S) on knowledge, attitudes, and confidence, for all occupation categories in managing violence and aggression acute care, A mixed methods study.

**Mandy Towell-Barnard**, Pearl Kennon, **Lucy Gent**.

The accuracy and clinical utility of violence risk assessment tools for acute care setting.

**Mandy Towell-Barnard**, Pearl Kennon, **Lucy Gent**.

Workplace aggression and violence.

**Mandy Towell-Barnard**, Pearl Kennon, **Lucy Gent**.

Optimising safe care: Evaluating nurse change-of-shift handovers at Sir Charles Gairdner and Osborne Park Health Care Group.

**Beverly O'Connell**, **Manonita Ghosh**, **Lucy Gent**, **Rosemary Saunders**, **Mandy Towell-Barnard**, **Linda Coventry**.

The influence of the COVID-19 pandemic on new graduates' transition to practice and career planning.

Shelley Gower, Carl Yule, Ravani Dugan, Shirley McGough, **Gemma Doleman**.

Research priority setting at SCGHOPHCG

**Lisa Whitehead**, **Marina Weckend**, **Lucy Gent**, **Mandy Towell-Barnard**, Erin Godecke, **Linda Coventry**, **Gemma Doleman**.

## INTERNATIONAL PARTNERSHIPS AND PROJECTS

### PROJECT TITLE

### INVESTIGATORS

Healthcare professional perceptions and experiences of readmissions in the Coronary Care Unit in the UK and Australia.

**Amineh Rashidi**, **Lisa Whitehead**, **Ian Jones** (**Liverpool John Moores University**) Courtney Glass, **Mandy Towell-Barnard**, **Linda Coventry**, Mark Makokha, Tootie Bueser (Director for Nursing & Midwifery, SE Genomic Medicine Service Alliance at Guy's, and St Thomas' NHS Foundation Trust).

Factors that influence the intention of cardiovascular patients to engage with treatment plans in Australia and Singapore: Patient and Nurse perceptions.

**Amineh Rashidi**, **Lisa Whitehead**, Prachi Kaistha, **Sue Robinson**, Mark Makokha (Fiona Stanley Hospital), Rebecca Larsen (Fiona Stanley Hospital), Wenru Wang (National University of Singapore), Jiang Ying (National University of Singapore) and Violeta Lopez (Queensland University).

Physical activity level, health-promoting behavior, mental wellbeing, and quality of life among Singaporean and Australian working women in the context of COVID-19 pandemic.

**Amineh Rashidi**, **Lisa Whitehead**, Wenru Wang (National University of Singapore), Jiang Ying (National University of Singapore) and Violeta Lopez (Queensland University).

## OTHER

### PROJECT TITLE

### INVESTIGATORS

A National Aged Care Medication Roundtable - Translating aged care data into action to improve quality of care through collaboration and co-design.

Johanna Westbrook, **Rosemary Saunders**, Len Gray, Tracey Bucknall, Christopher Etherton-Bee, Benjamin Newell, Magdalena Raban, Gillian Caughey, Elizabeth Beattie, Meredith Makeham, Jeffrey Braithwaite.

An analysis of Coronial Tribunal findings of deaths in custodial settings of Aboriginal and/or Torres Strait Islander Peoples that involved a nurse or midwife.

**Lynore Geia, Lisa Whitehead, Andrew Day, Karen Strickland, B Lovell.**

Assessment and implementation of strategies to promote evidence-based diabetes care in Jordan.

**Lisa Whitehead, Diana Arabiat.**

BEFRIENDING with GENIE.

Loretta Baldassar, **Rosemary Saunders**, Colleen Doyle, Sanetta du Toit, Anita Goh, Manonita Ghosh, Catriona Stevens, Simone Marino, Jade Cartwright, Jacques Raubenheimer, Ivaylo Vassilev, Sunil Bhar, Dannii Yeung, Mary Gurgone.

Creating an evidence base for the timely introduction of the 'No One Dies Alone' programme in Residential Aged Care.

**Davina Porock, Melanie Baker, Ian Simms, Tracey King**

Exploring the academic and research literacy needs of international Higher Degree by Research (HDR) students in an Australian university integrated PhD program.

**Lesley Andrew, J. McFarlane, M. Stein, C. De Maio, S. Matthews.**

Fathers Matter: Fathers' experiences of caring for their late preterm infants in the neonatal unit.

**Esther Adama, Adua Eric, Evalotte Mörelius, Annie Chang, Ravisha Srinivasjois, Sara Bayes.**

Frailty-ADD in Acute Care Settings: Improving the Care of Frail Patients Across Different Disciplines.

Ruth Hubbard, Adrienne Young, Maria Fiatarone Singh, Sarah Hilmer, Natasha Reid, Kenneth Rockwood, Christopher Etherton-Bee, Loretta Baldassar, **Rosemary Saunders**, Michelle Miller, Mark Morgan, Emily Gordon, Tracy Comans, Paul Yates, Jason Ferris.

Frailty KIT: An Australian Frailty Network to Create Knowledge, Implement Findings and Support Training.

Ruth Hubbard, Adrienne Young, Maria Fiatarone Singh, Sarah Hilmer, Natasha Reid, Kenneth Rockwood, Christopher Etherton-Bee, Loretta Baldassar, **Rosemary Saunders**, Michelle Miller, Mark Morgan, Emily Gordon, Tracy Comans, Paul Yates, Jason Ferris.

Homecare client and family caregiver experiences of preparing for dying at home.

**Davina Porock, Melanie Baker, Trish Cain.**

Intelligent systems to enhance person-centred interactions.

**Davina Porock, Curtin Heritage Living.**

Leveraging informatics to optimise pharmacist-led medication reviews in residential aged care to improve outcomes and cost-effectiveness: a pragmatic cluster randomised controlled trial.

**Karla Seaman, Rosemary Saunders**, Magda Raban, Henry Cutler, Nasir Wabe, Johanna Westbrook, Sandun Silva, Guogui Huang, Antonio Ahumada-Canale, Amy Nguyen, Rachel Urwin, Tim Tse, Bosco Wu.

Please note: Names in **bold** indicate author based in the School of Nursing and Midwifery, Edith Cowan University

## PROJECT TITLE

## INVESTIGATORS

Mortality Risk Index predicting 6-month mortality. Australian validation.

**Davina Porock, Mayumi Kumarage, Linda Coventry, Melanie Baker,** Maria Davison.

Older Persons Early Recognition, Access, and Treatment in Emergencies.

Antonio Celenza, **Rosemary Saunders,** Glenn Arendts, Paul Bailey, Meredith Borland, Vinicius Cavalheri de Oliveira, Simon Conroy, Christopher Etherton-Ber, Judith Finn, Kristie Harper, Stephen Macdonald, David Mountain, Hanh Ngo, Richard Norman, Moira Sim.

Person-centred care bundles.

**Davina Porock,** Una Lyons.

Preparing families for end-of-life care at home.

**Davina Porock, Melanie Baker, Trish Cain, Mayumi Kumarage, Liz Mortley,** Maria Davison (Melville Cares).

Printing an appetite for life: Developing three-dimensional printed texture modified foods for aged care residents.

Liezhou Zhong, Mandy Stanley, Angelita Martini, Janine Alan, Amanda Devine, James Dimmock, Ben Jackson, Amanda Orchard, **Davina Porock,** Jonathan Hodgson, Stuart Johnson, Erin Godecke, Mary Kennedy, Joshua Lewis, Michael Considine, Catherine Bondonno, Lauren Blekkenhorst, Nicola Bondonno.

QSign –modified AusLan to improve communication.

**Davina Porock, Trish Cain,** Barnard Clarkson, Barbara Alcock, Jo Jung, Deb Whitelock.

Role of the Nurse in the Transition from Curative to Palliative Care in Advanced Cancer. A theory Synthesis, its validation and empirical testing.

**Geya George, Davina Porock, Deborah Kirk.**

The Careful Project: VR for residents in aged care.

**Davina Porock, Trish Cain,** Mandy Stanley, **Julianne Hilbers, Christopher Young,** Maria Bomm.

Using technology to develop a care community in homecare.

**Davina Porock,** Maria Davison.

Using technology to support RAC admission process for residents and families.

**Davina Porock, Joyce Muge Suggitt.**

Wearable psychophysiological measurement to provide real-time feedback to carers.

**Davina Porock.**

WEPAUSE Study: Women's Experiences of Pauses in Childbirth

**Marina Weckend,** Clare Davison, Hanna Gehling.

# HIGHER DEGREE BY RESEARCH COURSES

## MASTER OF NURSING (RESEARCH)

Prepares students to be independent researchers with the ability to develop and implement a research proposal relevant to nursing. The course is directed both at students with an interest in research and those planning a research career, preparing nurses to practice in the field of nursing research. This course is available to both domestic and international students to study at our Joondalup campus or online.

## MASTER OF MIDWIFERY (RESEARCH)

This research masters prepares students to be independent researchers with the ability to develop and implement a research proposal relevant to midwifery. The course is directed both at students with an interest in research and those planning a research career. This course is available to both domestic and international students to study at our Joondalup campus or online.

## DOCTOR OF PHILOSOPHY (INTEGRATED)

The Doctor of Philosophy (Integrated) is a research degree commencing with a cohort-based foundation year of research preparation followed by an independent, supervised research project. The subjects covered in the first year support the development of the research project and include generic research training and discipline-specific units.

These provide you with strategies for a successful research journey, appropriate research design and methodology, timely completion, and effective writing and communication skills. You must achieve an overall weighted average mark (WAM) of 70% in the first year of research preparation to continue into the thesis component of the course.

A PhD(I) may be undertaken in a variety of areas within ECU, provided there are supervisors available in your proposed research area, and the resources and facilities required to complete your proposed project are accessible. ECU encourages interdisciplinary research that may span multiple research fields and Schools. We encourage you to view the Research Activity pages of the School websites for ECU's areas of research focus. This course is open to both domestic and international students at our Joondalup and Mt Lawley campuses or online.

For more information on our higher degree by research courses, please visit our website below: <https://www.ecu.edu.au/schools/nursing-and-midwifery/courses>

## DOCTOR OF PHILOSOPHY

A Doctor of Philosophy (PhD) is an opportunity to pursue a topic you're passionate about at the highest academic level. A PhD is an independent, supervised research project that is assessed on the submission of a thesis or creative work and exegesis. This course may be undertaken in any School within ECU, provided there are supervisors available in your proposed research area, and the resources and facilities required to complete your proposed project are accessible. ECU encourages interdisciplinary research that may span two or more disciplines. As a PhD candidate, you will be expected to develop a project that can be completed in three years full-time. You may submit your thesis any time after two years of full-time study, and the maximum course duration for a PhD is four years full-time. A PhD is a significant undertaking, and if enrolled full-time you are expected to commit at least 35 hours per week to your research. This course is open to both domestic and international students at Joondalup, Mount Lawley, or Southwest campuses or online.



## RESEARCH PROJECT OPPORTUNITIES

Are you interested in undertaking a Higher Degree by Research? Whether it is a Masters by Research or a Doctor of Philosophy, we have many project ideas that staff are ready to supervise.

We encourage you to look at our website for available projects. Please see the link below: <https://www.ecu.edu.au/centres/graduate-research-school/postgraduate-research-project-opportunities/schools/school-of-nursing-and-midwifery>

# HIGHER DEGREE BY RESEARCH COMPLETIONS 2023 - DOCTOR OF PHILOSOPHY

**Lydia Babatunde-Bulndi**

**An Interpretive Description of the Views and Experience of Obstetric Fistula Risk Factors Among Women Attending Evangel Vesico Vagina Fistula Centre in Nigeria**



**Supervisors: Dr Deborah Ireson, Dr Esther Adama, Professor Sara Bayes**

An obstetric fistula is a hole between the birth canal and the bladder or rectum, which is caused by prolonged, obstructed labour without intervention. Sufferers of obstetric fistula may experience chronic urinary and/or faecal incontinence. To understand the needs of women and implement strategies to reduce the risk factors associated with obstetric fistula, women's views and experiences of obstetric fistula risk factors following birth must be more comprehensively understood, to inform responsive midwifery practice.

This study aimed to explore women's views on experiences of obstetric fistula risk factors among women attending the Evangel vesico vaginal fistula (EVVF) Centre of Bingham University Teaching Hospital (BUTH), Jos, Nigeria. This qualitative research used an interpretive descriptive design underpinned by symbolic interactionism to explore women's views and experiences of obstetric fistula risk factors.

#### **Relevant Publications:**

**Bulndi, L. B., Ireson, D., Adama, E., & Bayes, S.** (2022). Sub-Saharan African women's views and experiences of risk factors for obstetric fistula: a qualitative systematic review. *BMC Pregnancy Childbirth* 22, 680. <https://doi.org/10.1186/s12884-022-05013-2>.

**Bulndi, L. B., Bayes, S., Adama, E., & Ireson, D.** (2023). North-central Nigerian women's experiences of obstetric fistula risk factors and their perceived treatment services: An interpretive description. *Women and Birth*. <https://doi.org/10.1016/j.wombi.2023.02.007>.

**Bulndi, L. B., Ireson, D., Adama, E., & Bayes, S.** (2023). Women's views on obstetric fistula risk factors and prevention in North-central Nigeria: an interpretive descriptive study. *BMJ Open*, 13(6), e066923. <https://doi.org/10.1136/bmjopen-2022-066923>.

**Bulndi, L. B., & Bayes, S.** (2023). It is time for change, women's views on the impact of living with obstetric fistula in Nigeria. An Interpretive Description. *Women and Birth*. <https://doi.org/10.1016/j.wombi.2023.07.112>.

**Jennifer Hamilton**

**Getting a 'Grip' on Supervision: A Mixed Method Study Assessing the Effect of a New Model for Clinical Supervision in Mental Health Nursing Named GRiP-S**



**Supervisors: Dr Irene Ngune, Dr Amanda Cole, Dr Richard Bostwick**

The Safewards model is used across various mental health settings to reduce incidents of conflict and containment and its efficacy in reducing the use of seclusion and restraint, improving patients' experiences of care, and enhancing safety within clinical settings is well documented. However, there are barriers to successful implementation, including level of staff buy-in.

This mixed-method study assessed the impact of adopting a Safewards model within a clinical supervision framework in an approach, named Group Reflective integrated Practice with Safewards (GRiP-S), which integrates Safewards theory within the clinical supervision framework.

#### **Relevant Publications:**

**Hamilton, J., Cole, A., Bostwick, R. and Ngune, I.** (2023). Getting a grip on Safewards: The cross impact of clinical supervision and Safewards model on clinical practice. *Int J Mental Health Nurs*, 32: 801-818. <https://doi.org/10.1111/inm.13116>.

**Hamilton, J., Cole, A., Bostwick, R. and Ngune, I.** (2024). Staff Perceptions on the Effectiveness of GRiP-S, a New Approach to Clinical Supervision Incorporating Safewards: An Interpretive Phenomenological Analysis. *Issues in Mental Health Nursing*, 45:1, 85-95. <https://doi.org/10.1080/01612840.2023.2280198>.



**Afia Achiaa Sarpong**

**Exploring the prevalence and impact of missed nursing care on nurse–patient outcomes in Western Australia: A descriptive correlational study.**



**Supervisors: Associate Professor Mandy Towell-Barnard, Associate Professor Diana Arabiat, Nurse Director Lucy Gent**

The prevalence and impact of missed nursing care can have serious consequences on both nurses and patients in healthcare settings. However, there is limited published research exploring nurse–patient reported missed care and how this factor is related to job satisfaction of nurses and adverse events. This study aimed to provide evidence of nurse and patient perceptions of missed nursing care and the effect of missed care on nurse–patient outcomes (such as job satisfaction, intention to leave, teamwork, falls, medication errors, pressure ulcers and hospital-acquired infections) in a Western Australian context.

Guided by quantitative methods, a descriptive correlational study design was employed and the sample for this study consisted of nursing staff and patients in 16 medical and surgical units of the hospital. Data were measured and described using descriptive, correlational, and logistic regression analysis.

The results of this study provided evidence of nurse–patient-reported missed nursing care in Western Australia. Most importantly, the study showed that, some substantial amount of nursing care is missed and that these elements of missed care negatively impact nurse and patient outcomes. The research findings provide baseline evidence and challenges the appropriateness of developing target goals to reduce and prevent missed care occurrences.

**Relevant Publications:**

**Sarpong, A. A., Arabiat, D., Gent, L., Towell-Barnard, A.** (2023). A bibliometric analysis of missed nursing care research: Current themes and way forward. *Nursing Forum*, 2023, 8334252. <https://doi.org/10.1155/2023/8334252>.

**Sarpong, A. A., Arabiat, D., Gent, L., Afrifa-Yamoah, E., & Towell-Barnard, A.** (2023). Nurses' perception of missed nursing care in a Western Australian teaching hospital: A cross-sectional study. *Collegian*, 30, 602–611. <https://doi.org/10.1016/j.colegn.2023.05.005>.





**Fungai Mbengo**

**Evaluation of the You Only Live Once programme: A resilience-based intervention for reducing risky sexual behaviour associated with Human Immunodeficiency Virus (HIV) infection among youth in South Africa.**



**Supervisors: Dr Esther Adama, Associate Professor Mandy Towell-Barnard, Dr Maggie Zambo**

The youth (15–24 years old) in South Africa remain at high risk of HIV infection despite varied efforts to control the disease. An understanding of the perspectives of relevant stakeholders of HIV-prevention interventions targeting the youth is important to guide research, policy and practice aimed at improving these interventions.

This study explores youth and intervention implementers' perceptions of a resilience-based HIV-prevention intervention (You Only Live Once) aimed at reducing risky sexual behaviours among the youth in South Africa. Semi-structured interviews were conducted with 10 young people who participated in the intervention, and four intervention implementers at a not-for-profit organisation in Maluti-a-Phofung Local Municipality, South Africa.

The findings can help researchers, policy makers and health care practitioners in the field of HIV prevention to improve interventions targeting young people.

**Relevant Publications:**

**Mbengo, F., Adama, E., Towell-Barnard, A., & Zgambo, M.** 2023. "A spade was called a spade...": Youth and intervention implementers' perceptions of a resilience-based HIV-prevention intervention for youth in South Africa. *African Journal of AIDS Research*. <https://doi.org/10.2989/16085906.2023.2233496>.

**Marina Joanna Weckend**

**Physiological plateaus during childbirth: A constructivist grounded theory and novel definition**



**Supervisors: Professor Sara Bayes, Dr Clare Davison, Dr Kylie McCullough, Professor Christine Duffield**

This research project investigated healthy birth rhythms and more specifically, natural pauses during labour and birth (so-called physiological plateaus).

During childbirth, many women receive medical treatment to speed up labour that is perceived as 'too slow.' As such treatment often harms mother and baby, this research examined whether it is justified, or whether what we frame as 'too slow' labour may represent a natural fluctuation of the birth rhythm.

This study found that, contrary to popular belief, pauses during childbirth are common, natural, and beneficial for women and babies. Yet, when women birth in hospital, such pauses are often not allowed to occur. This study generated groundbreaking evidence and is expected to have a profound impact on maternity care practice.

Acknowledging that pauses are a vital element of childbirth could protect many women from unnecessary medical treatment and thereby improve the health of mothers, babies, and families globally.

**Relevant Publications:**

**Weckend, M., Davison, C., McCullough, K. & Duffield, C.** Failure to progress or just normal? The hidden knowledge of physiological plateaus in childbirth. *Women and Birth*. 2023. <https://doi.org/10.1016/j.wombi.2023.07.011>.

# HIGHER DEGREE BY RESEARCH COMPLETIONS 2023 -

## MASTER OF NURSING (RESEARCH)

**Andrea Connolly**

**Investigating the provision of clinical supervision and professional development opportunities for agency nurses within Western Australia**



**Supervisors: Dr Hugh Davies and Dr Olivia Gallagher**

Globally, the agency nurse workforce are an integral part of the healthcare workforce. They work transiently in a variety of healthcare settings responding to nursing shortages to ensure adequate staffing levels for safe patient care. Flexible working options are a key advantage of agency nursing however, despite the advantages, agency nurses have reported being subject to negative stereotypes and experiencing a lack of support and disadvantage accessing professional development opportunities. The role of professional development and clinical supervision are well established as key structures to enhance nursing practice and improve the quality of patient care. Professional development is a mandatory requirement for nurses to maintain and renew their professional registration status.

The aim of the study sought to investigate the provision of clinical supervision and professional development opportunities for agency nurses within Western Australia. A quantitative cross-sectional approach was utilised for the study. The data was collected through a custom developed 30 question survey, which was electronically distributed to agency nurses.

Findings from the study have highlighted a need for initiatives to facilitate the provision of clinical supervision and professional development opportunities available to agency nurses. The study recommends collaboration between stakeholders to support these initiatives with a focus on improving the integration of agency nurses within the healthcare workforce. Greater transparency regarding the utilisation of agency nurses within healthcare settings and addressing the stigma and discrimination of agency nurses are areas that would benefit from further work and initiatives.

**Tracy Jane Coward**

**Experiences of Mental Health Nurses on the Assessment and Monitoring of Adverse Side Effects of Antipsychotic Medication**



**Supervisors: Professor Lisa Whitehead and Dr Irene Ngune**

The National Survey of Mental Health and Wellbeing reported that one in five or 8.8 million of the total adult population in Australia experience a mental health disorder at some time in their life, the 3rd largest cause of disease burden in Australia. Mental health disorders usually require long term treatment in the form of antipsychotic medication which are primarily indicated for and remain the cornerstone of treatment for severe mental health conditions such as schizophrenia and other psychotic disorders including schizoaffective disorder, delusional disorder, and bipolar affective disorder. These agents can produce a range of adverse side effects that impact on the consumers' quality of life and may cause even greater levels of distress than the symptoms of the illness.

The purpose of this quantitative cross-sectional research study was to investigate the knowledge, attitudes, confidence and practices of mental health nurses in relation to the assessment and monitoring of adverse side effects of psychotropic medications. The target population was Enrolled Nurses and Registered Nurses working within a large mental health service in Western Australia. A total of six mental health inpatient settings and nine community mental health clinics with approximately 600 nursing staff were invited to participate in the study.

Findings from this study indicate gaps in knowledge and skills among a significant proportion of nurses working in the field of mental health in relation to the side effects of antipsychotic medication. There is a clear need for education and training for nurses in adverse side effects of antipsychotic medication. Implications for clinical practice should include planning ongoing education and training for nurses in adverse side effects of antipsychotic medication. Therefore, strengthening undergraduate nurse training in pharmacological education is vitally important.

**Nicola Amanda D'Souza**

## **Self-Efficacy and Home Dialysis: An Integrative Review**

**Supervisors: Dr Ma'en Zaid Abu-Qamar and Professor Lisa Whitehead**



Enhancing patient confidence in their ability (self-efficacy) is vital to ensure people are equipped to maintain home dialysis protocols. Bandura's social cognitive theory provided a framework for understanding the role of self-efficacy in patients managing home dialysis. To identify self-reported levels of self-efficacy, the measurements used to assess self-efficacy and the effectiveness of interventions to enhance self-efficacy in patients undergoing home dialysis.

An integrative review approach was employed using Whittemore and Knafl's methodology. A comprehensive search was conducted to identify literature on self-efficacy in patients managing home dialysis. Included literature were critically appraised for methodological quality.

The included studies showed that that self-efficacy builds over time was structured into two themes; gaining skills to develop self-efficacy and building and maintaining knowledge of self-efficacy. The findings highlighted the importance of employing multifaceted strategies with support from health professionals including nurses, families and peer support to develop self-efficacy. To advance research and practice in this area, awareness of the sociodemographic factors that influence self-efficacy are needed and evaluation of the long-term impact of interventions on self-efficacy. The results of this study will help nurses to identify the importance of self-efficacy in home dialysis and guide interventions to develop self-efficacy.

**Harpreet Kaur**

## **An exploration of mental wellness among Indian migrants in Western Australia: A focused ethnographic study**

**Supervisors: Dr Irene Ngune, Dr Maggie Zambo and Professor Davina Porock**

Mental wellness is an innate ability that supports thinking, feeling, connecting, and functioning; it is an active process that promotes resilience, development, and flourishing. Mental health is proven not only by the ability to live a full and creative life but also by the ability to adapt in order to deal with the inevitable difficulties that life presents. One of the most significant barriers to effective support for the prevention and management of mental health problems is people's reluctance to consult with mental health professionals when they are experiencing symptoms of mental illness.

In this country, there has been little investigation into the behaviour of older Sikh Indian migrants who seek mental health assistance. Furthermore, very little has been published about specific cultural ideas that shape this group's worldview and how this perspective affects their behaviour when seeking assistance. In order to comprehend the perspectives on the mental wellness of older Sikh Indian migrants, previous research is reviewed and taken into account in this study.

Perspectives on mental wellness may vary, they do however, also take into account a person's capacity for joy and for striking a balance between routine tasks and endeavours to achieve emotional well-being. Australia, being a multicultural society, recognises the importance of a culturally tailored approach to service provision involving all communities represented in the country. The number of Indian migrants living in Australia has grown in the past 15 years, with many migrants becoming permanent residents. However, little is known about how those who migrate to Australia at an older age (65 years or older) define mental wellness and how it impacts their help-seeking.

# OUR STUDENTS

## HIGHER DEGREE BY RESEARCH – PHD STUDENTS

STUDENT	SUPERVISORS	THESIS TITLE
Adam McCavery	Deborah Sundin (P) Sara Morris (A) Chris Helms (E)	Nurse practitioner clinical fellowships – supporting transition to specialist practice.
Agatha Caracciolo	Bev Ewens (P) Ma'en Abu-Qamar (A) Amanda Graf (E) Melanie Robinson (E)	Aboriginal and/or Torres Straits Islander university nursing graduates successful transition into the workforce.
Amanda Singleton	Sara Bayes (P) Clare Davison (E) Christine Duffield (AD)	The notification process and how it impacts the decision making of a midwife when they provide homebirth services: a grounded theory study of privately practising midwives in Australia.
Angela Bull	Sara Bayes (P) Christine Duffield (AD) Sadie Geraghty (E)	Single registered midwives' lived experiences of working in small general hospital maternity units and assisting with general patients.
Annabelle Arnold	Linda Coventry (P) Mandie Foster (E) Michaela Lewis (E) Michael Trevenan (E)	Impact of reported antibiotic allergy on clinical outcomes and compliance with drug allergy reporting, for patients in a paediatric setting: A systematic review and retrospective cohort study.
Anne Gerick	Bev Ewens (P) Mandy Towell-Barnard (A)	An exploration of the decision-making process in the management of aggression and violence in the emergency department in Western Australia: A narrative inquiry.
Binglei Chen	Lisa Whitehead (P) Amanda Cole (A) Claire Lee (A)	Healthcare professional's attitudes and knowledge of integrating acupuncture into primary health care in Australia: A mixed method study.
Bryce Andrews	Esther Adama (P) Evalotte Mörelius (A)	Exploring the Challenges and Support Needs for Caregivers of Children with Rare Diseases in Regional Areas
Charmaine Hammond	Mandy Towell-Barnard (P) Bev Ewens (A)	A narrative inquiry exploring the experiences of the young adult with obesity.
Charunya Abeysinghe Mudiyansele	Bev Ewens (P) Marcus Ang (A) Aisling Heavey (E)	Exploring the experience of informal carers of people with dementia undertaking an online mindfulness programme: An interpretive descriptive study.
Christine Mackey	Lisa Whitehead (P) Linda Coventry (A) Deb Sundin (A) Lucy Gent (E)	What is the influence of body temperature on the initiation of clinical practice guidelines for neutropenic sepsis in haematology oncology patients: Patient and nurse's perspectives?
Collietha Moyo	Amineh Rashidi (P) Lisa Whitehead (A)	What factors contribute to the readmission of Acute Coronary Syndrome patients to the Emergency Department within 30 days?
David Kiguta	Irene Ngune (P) Amineh Rashidi (A) Joanne Dickson (E)	A formative evaluation of inpatient mental health nurses' psychotherapy practice in Western Australia: mixed methods study.
Davina Houghton	Diana Arabiat (P) Deb Ireson (AD) Evalotte Mörelius (A)	Contemporary idiopathic childhood constipation health education within the primary health care setting and its utilisation by families living in Perth, Western Australia: A mixed methods study.

P = Principal Supervisor C = Co-Principal Supervisor A = Associate Supervisor AD = Adjunct Supervisor E = External

STUDENT	SUPERVISORS	THESIS TITLE
Donna Monaghan	Lesley Andrew (P)	Exploring how to motivate people to implement lifestyle improvements (exercise and diet changes etc) without having suffered a life limiting event (cardiac event, traumatic injury etc).
Edah Anyango	Irene Ngune (P) Esther Adama (A)	The impact of final-year clinical placements on career planning of pre-registration student nurses: A mixed methods study.
Elizabeth Mortley	Davina Porock (P) Trish Cain (A) Melanie Baker (A)	Testing the compassionate community planning model to support family members in providing end-of-life care at home.
Elliesha O'Reilly	Sara Bayes (P) Kate Buchanan (A) Petrovia Fisher (E)	Safe maternity care: A qualitative study to understand maternity service users' views and priorities.
Emma Ritchie	Davina Porock (P) Clare Davison (A) Kylie McCullough (A)	Transcendent moments in birthing and dying.
Emma Woodhouse	Deb Sundin (P) Linda Coventry (A) Gina Richards (AD)	The nurse's experience studying online postgraduate education whilst living and working in rural Australia.
Fiona Hildebrand	Kylie McCullough (P) Michelle Gray (A)	Remote Area Nursing and structured competence support: a participatory action research project.
Florence Khimbi	Kylie McCullough (P) Melanie Goode (E) Amanda Graf (E)	How does telehealth impact the scope of practice of rural nurses in Australia?
Gertrude Phiri	Davina Porock (P) Joyce Muge-Sugutt (A)	Preparing for end of life in a new country: A grounded theory study on African migrants living in Australia.
Geya George	Davina Porock (P) Deborah Kirk (A)	Role of the nurse in the transition from curative to palliative care in advanced cancer - a theory synthesis its validation and empirical testing.
Gideon Johnson	Bev Ewens (P) Mandy Towell-Barnard (A) Chris McClean (E)	The development, implementation and evaluation of a novel intervention for delirium in an adult intensive care unit: A Pilot Study.
Hayley Benbow	Michelle Gray (P) Maggie Zgambo (A) Jilen Patel (E)	A comparison study of three-dimensional intraoral scanning on palatal morphological assessment and its effects on newborn feeding.
Heidi Williams	Di Bloxsome (P) Sara Bayes (A) Kate Levett (E)	The feasibility, acceptability, and experiences of acupuncturing (midwife administered acupuncture) for foetal malposition during labour and birth: A mixed method approach incorporating the Acupuncturing for Posterior Position (APP) Trial pilot study.
Helen Falcus	Debbie Massey (P) Gelaye Nadew (A) Maggie Zgambo (A)	Experience of parents of children with medically diagnosed food anaphylaxis.
Jennifer Jennings	Hugh Davies (P) Debbie Massey (A) Minh Nguyen (A)	Development, implementation, and evaluation of reciprocal peer learning in simulation-based education of an undergraduate nursing curriculum.

P = Principal Supervisor C = Co-Principal Supervisor A = Associate Supervisor AD = Adjunct Supervisor E = External

STUDENT	SUPERVISORS	THESIS TITLE
Judith Ngwenya	Deb Sundin (P) Kylie McCullough (A)	A constructivist grounded theory on nurses' decision-making processes for mental health related issues in the Australian rural hospital context.
Karen Foster	Bev Ewens (P) Linda Coventry (A) Yvonne Middlewick (A) Lindsay Mervyn Smith (E)	Collaboration when mental state changes during inpatient mental health care: Perspectives of the client, the family, and the nurses.
Katherine Buchanan	Lisa Whitehead (P) Liz Newnham (E) Sadie Geraghty (E)	Ethical dichotomies: A feminist participatory action research of women's experiences of maternity care.
Kathleen McCauley	Bev O'Connell (P) Rosemary Saunders (CP) Olivia Gallagher (CP)	A grounded theory study of the experiences of older people and their carers receiving home care package services.
Krystyl Wisseman	Di Bloxsome (P) Sara Bayes (A) Annie De Leo (A)	The development of a mentoring program for midwives.
Kunwarbir Kaur	Ma'en Abu-Qamar (P) Amineh Rashidi (A) Rosemary Saunders (A)	Knowledge and perception of personal risk factors for ischaemic heart disease: A mixed methods study of first-generation Indian migrants living in Australia.
Leah Aboo	Hugh Davies (P) Amanda Graf (E)	Work readiness and job retention of graduate nurses: A qualitative comparison of graduate registered nurses (GRN); those with GRN programs and those without.
Madalo Kuchawo	Lisa Whitehead (P) Deborah Kirk (A) Gemma Doleman (A)	Understanding needs, barriers, and facilitators to self-management among people living with type 2 diabetes in Lilongwe and Blantyre, Malawi.
Mahshid Fonoudi	Bev Ewens (P) Mandy Towell-Barnard (A)	An exploration of weight stigma reduction within nursing care in Australia.
Malwina Szmaglinska	Deborah Kirk (P) Debbie Massey (A) Lesley Andrew (A)	Perceptions and use of hypnotherapy for managing physical and psychological symptoms as part of supportive care during the cancer treatment phase.
Margaret Adejumo	Davina Porock (P) Melanie Baker (A)	Evaluating knowledge and adherence of community health workers to standard precautions.
Martha Njuguna	Yvonne Middlewick (P) Irene Ngune (A)	Health care needs of African immigrants with mental health illness. A study of family and caregivers' perspectives of mental health illness and mental health services in Western Australia.
Martina Costello	Olivia Gallagher (P) Deb Sundin (CP)	An exploration of nurses' experiences of social and emotional support in the workplace: A narrative inquiry.
Mayumi Kumarage	Linda Coventry (P) Davina Porock (A) Melanie Baker (A)	Experiences and perceptions of community-based older clients, families, and home care staff in Western Australia on using a mortality prognostication tool.
Megan Jones	Esther Adama (P) Evalotte Mörelius (A) Desiree Da Silva (E)	Early childhood risk factors and health literacy of anxiety disorders among adolescents and their parents/caregivers.
Melanie Buhlmann	Bev Ewens (P) Amineh Rashidi (A)	Effectiveness of organisational support and adequacy of workplace practices amongst nurses and midwives after critical incidents.
Melissa Mellan	Olivia Gallagher (P) Rosemary Saunders (A) Davina Porock (A)	Development, implementation, and evaluation of an Emergency Department rapid response system service.
Min Zhang	Lisa Whitehead (P) Johnny Lo (A) Kirsten Coppell (E)	Self-management behaviours among immigrants living with type 2 diabetes mellitus or pre-diabetes.

P = Principal Supervisor C = Co-Principal Supervisor A = Associate Supervisor AD = Adjunct Supervisor E = External

STUDENT	SUPERVISORS	THESIS TITLE
Minakshi Murphy	Olivia Gallagher (P) Michelle Gray (A) Gemma Doleman (A)	What are the transition to practice experiences of recently registered/qualified midwives and nurses entering professional practice without formal graduate transition programs?
Nisha Jijo	Rosemary Saunders (P) Marcus Ang (A) Kate Crookes (A)	Health professionals experience of providing care to patients with Heart Failure.
Patricia Cook	Lisa Whitehead (P) Deborah Kirk (A) Trish Williams (E)	Patients' experiences with home-based infusions of monoclonal antibodies (MAB).
Pelden Chejor	Davina Porock (P) Trish Cain (A) Bridget Laging (E) Mustafa Atee (E)	Using big data to reveal the experience of immigrants living with dementia.
Phuntsho Om	Lisa Whitehead (P) Mandy Towell-Barnard (A)	The experiences of previously homeless older adults relocated to a residential aged care facility in Bhutan: A narrative inquiry.
Ray Dhondea	Irene Ngune (P) Gelaye Nadew (A)	A qualitative study to explore nurses' experiences of being assaulted by patients in a forensic psychiatric setting.
Rebecca Schultz	Lisa Whitehead (P) Ma'en Abu-Qamar (A) Renae Kirkham (E)	Strengths-based approaches to wellbeing in one remote Australian indigenous community. An appreciative inquiry of health belief and behaviour.
Robyn O'Dwyer	Ruth Wallace (P) Kylie McCullough (A) Jessie Johnson (E)	The lived experiences of nurses and nurse practitioners and community engagement in primary care.
Rong Wang	Johnny Lo (P) Cassandra Smith (A) Josh Lewis (A)	The development and preliminary evaluation of the feasibility and effect of an evidence-based laser acupuncture protocol in the management of frozen shoulder.
Sachini Abeykoon Mudiyansele	Karen Strickland (P) Marcus Ang (A) Victoria Traynor (E)	Development of a career framework for gerontology nurses in Australia.
Sara Davis	Sara Bayes (P) Di Bloxsome (A) Sadie Geraghty (E)	The development of a tool to identify barriers and enablers to change in midwifery practice settings: A participatory action research study.
Sibi Roy	Olivia Gallagher (P) Rosemary Saunders (A) Amineh Rashidi (A)	Barriers and enablers of staff in recognising and responding to clinical deterioration in a subacute care setting.
Success Ibukunoluwa	Deb Sundin (P) Gemma Doleman (A)	The surgical safety checklists: How does it impact patient outcomes in perioperative practice?
Tori Topping	Hugh Davies (P) Ulrich Steinwandel (A)	Frequency of filter ionized calcium measurements during continuous renal replacement therapy with regional citrate anticoagulation.
Violet Platt	Davina Porock (P) Yvonne Middlewick (A) Mandy Stanley (A)	The social care workforce culture of care for homeless people who require palliative care: A focused ethnography.
Weiting Liu	Mandy Towell-Barnard (P) Clare Lee (A) Timothy Kang (A)	Participants' perspective and experience with acupuncture and moxibustion: A quantitative and qualitative study.
Welma Van Schalkwyk	Mandy Towell-Barnard (P) Bev Ewens (A)	The Handmaidens Tale: An exploratory sequential mixed-method study of Registered Nurses' perspectives of their professional identity.

## HIGHER DEGREE BY RESEARCH – MASTER BY RESEARCH STUDENTS

STUDENT	SUPERVISORS	THESIS TITLE
Amber McClean	Bev Ewens (P) Mandy Towell-Barnard (A)	The experiences of people whose family member developed ICU delirium following cardiac surgery: A narrative inquiry.
Angela Overy	Hugh Davies (P) Melanie Baker (A)	What challenges did the COVID-19 pandemic have on undergraduate nursing and midwifery students when on clinical placement?
Annie Chang	Linda Coventry (P) Evalotte Mörelius (A) Maggie Zgambo (A)	Evaluation of usability, feasibility, and psychometric properties of the 8 items Finnegan Neonatal Abstinence Scoring Tool in an acute clinical setting in Western Australia.
Antigoni Leftherioti	Di Bloxsome (P) Michelle Gray (A)	Towards more Hippocratic approach to encounter Intimate Partner Violence (IPV) in Western Australia.
Bree Burke	Michelle Gray (P) Esther Adama (C)	Fathers' experiences of accessing parenting support postnatally.
Ciara O'Brien	Clare Davison (P) Annie De-Leo (CP) Diana Arabiat (A)	Western Australian Women who receive continuity of midwifery carer from an Endorsed Privately Practicing Midwife (EPPM) with hospital admitting rights: birth outcomes and experiences.
Danica Butler	Bev Ewens (P) Mandy Towell-Barnard (A)	Enhanced Recovery After Surgery: Improving the quality of postoperative care for the adult cardiac surgical patient in the Intensive Care Unit.
Harpreet Kaur	Irene Ngune (P) Maggie Zgambo (A) Davina Porock (A)	An exploration of mental wellness among Indian migrants in Western Australia: A focused ethnographic study.
Jessica Dantaz	Esther Adama (P) Evalotte Mörelius (CP)	The outcomes of in-utero cannabis exposure within the first week of extra-uterine life: Experiences from neonatal health professionals.
Justine Van Der Watt	Annie De Leo (P) Gemma Doleman (A) Deb Ireson (AD)	Mother's experiences of breastfeeding support prior to hospital discharge – a mixed methods approach.
Michelle Nelson	Linda Coventry (P) Melanie Baker (A)	Patient experiences of peripheral intravenous catheterization (PIVC): A mixed-method systematic review and meta-analysis.
Natalie Hird	Mandy Towell-Barnard (P) Karen Strickland (A) Wanjiku Gatonga (A)	The prevalence of distress and the associated risk factors in newly diagnosed breast cancer patients in Western Australia.
Niccy Sogiannis	Esther Adama (P) Irene Ngune (C)	Trauma-informed lactation care: experiences and needs of women.
Pamela Saman	Michelle Gray (P) Tania Gavidia (E)	Child health nurses' perspectives on the transition of care from maternity services to child health services in Western Australia.

P = Principal Supervisor C = Co-Principal Supervisor A = Associate Supervisor AD = Adjunct Supervisor E = External



STUDENT	SUPERVISORS	THESIS TITLE
Rhea Tecson	Rosemary Saunders (P) Kate Crookes (A) Marcus Ang (A)	Nurses' knowledge of pain assessment of older adults with cognitive impairment in hospital.
Rosebeth Kagoce	Di Bloxsome (P) Annie De Leo (A)	Midwives' intention to stay at a tertiary hospital in Perth, Western Australia.
Rozita Samandari Mohammadi	Bev Ewens (P) Diana Arabiat (A) Mandy Towell-Barnard (A)	Aboriginal men's perceptions and experiences of childbirth.
Scott Andrews	Olivia Gallagher (P) Alecka Miles (A) Brennen Mills (A)	Development and evaluation of a game based learning package to enhance pandemic preparedness for nursing staff and students in WA.
Scott Phillips	Deborah Kirk (P) Melanie Murray (A)	Exploring the experiences and outcomes of medical oncology patients when out lied to non-oncology inpatient wards.
Sharon Waterson	Hugh Davies (P) Marcus Ang (CP)	A nested observational sub-study of BONANZA: Effect of nursing procedures on brain oxygenation (Brain oxygenation Neuromonitoring in Australia and New Zealand Assessment (BONANZA)).





## GRANTS 2023

INVESTIGATOR(S)	PROJECT TITLE	FUNDING BODY	AMOUNT AWARDED
<b>Andrew, L.</b> , McFarlane, J., Stein, M., De Maio, C., Matthews, S.	Exploring the academic and research literacy needs of international Higher Degree by Research (HDR) students in an Australian university integrated PhD program.	Association for Academic Language and Learning	\$3,946.56
<b>Coventry, L.</b> , Francis, J., <b>Kirk, D.</b> , <b>Whitehead, L.</b> , Jasas, K., <b>Gent, L.</b> , Makate, M., Broderick, C., <b>Strickland, K.</b> , Brown, D.	Assessing the suitability of oncology patients to be managed by a Symptom and Urgent Review Clinic: A cohort study, a thematic analysis and economic analysis.	Sir Charles Gairdner Hospital	\$30,000
<b>Doleman, G.</b> , Twigg, D., <b>Whitehead, L.</b> , <b>Bloxsome, D.</b>	Development of an Evidence Based Supportive Practice Environment Framework.	Department of Health WA	\$36,364
<b>Geia, L.</b> , <b>Whitehead, L.</b> , <b>Day, A.</b> , <b>Strickland, K.</b> , <b>Lovell, B.</b>	An analysis of Coronial Tribunal findings of deaths in custodial settings of Aboriginal and/or Torres Strait Islander Peoples that involved a nurse or midwife.	AHPRA	\$202,464
<b>George, G.</b> , <b>Porock, D.</b> , <b>Kirk, D.</b>	Role of the Nurse in the Transition from Curative to Palliative Care in Advanced Cancer. A theory Synthesis, its validation and empirical	WA Cancer and Palliative Care Network	\$15,000
<b>Read, S.</b> , <b>Saunders, R.</b> , <b>Porock, D.</b> , <b>Donnellan, C.</b>	Adaptation and validation of the Dementia Community Attitudes questionnaire (DCAQ)	ECU Early-Mid Career Researcher Grant Scheme 2024	\$39,961
<b>Saunders, R.</b> , <b>Edge, K.</b> , Withers, K., Washbourne, S., Lord, A., Santiago, T., Crookes, K., Etherton-Bear, C., <b>Ang, M.</b>	Appropriateness, Feasibility and Acceptability of a Nurse-Led Volunteer Support Program for Older Adults in Hospital	Hollywood Private Hospital Research Foundation	\$15,000

Please note: Names in **bold** indicate author based in the School of Nursing and Midwifery, Edith Cowan University



INVESTIGATOR(S)	PROJECT TITLE	FUNDING BODY	AMOUNT AWARDED
<b>Seaman, K., Saunders, R.</b> , Raban, M., Cutler, H., Wabe, N., Westbrook, J., Silva, S., Huang, G., Ahumada-Canale, A., Nguyen, A., Urwin, R., Tse, T., Wu, B.	Leveraging informatics to optimise pharmacist-led medication reviews in residential aged care to improve outcomes and cost-effectiveness: a pragmatic cluster randomised controlled trial	Department of Health and Aged Care	MRFF Collaboration Grant
Slade, D., Etherton-Bear, C., Gullick, K., <b>Irish, B.</b> , Abhayaratna, W., Schulz, P., <b>Saunders, R.</b> , Macqueen, S., McKay, N., Currie, P., Rouen, C., Eggins, S., Haydon, S.	Improving communication to enhance patients' health literacy, empowerment and self-management of heart failure	Ramsay Hospital Research Foundation	\$178,016
<b>Weckend, M.</b> , Davison, C., Gehling, H.	Consumer and community co-design project exploring women's experiences of natural pauses during childbirth	Australian Health Research Alliance	\$10,960
<b>Weckend, M.</b> , Davison, C., O'Brien, C., <b>Bayes, S.</b> , Leap, N., Leinweber, J.	Natural pauses during childbirth: How common are they and how do they impact the mother's and newborn's health?	ECU Early-Mid Career Researcher Grant Scheme 2024	\$39,864
<b>Whitehead, L., Arabiat, D.</b>	Assessment and implementation of strategies to promote evidence-based diabetes care in Jordan	JBI	\$20,000
<b>Whitehead, L., Kirk, D., Nguyen, M., Strickland, D.</b>	CaLD consumers and carers cancer information needs: A Mixed Methods Systematic Review	Department of Health WA	\$23,529
<b>Zgambo, M., Whitehead, L., Arabiat, D., Ngune, I., Berg, V.</b>	Fostering age appropriate and safe use of digital technologies among the connected migrant children in Australia.	ECU Early-Mid Career Researcher Grant Scheme 2024	\$39,877

Please note: Names in **bold** indicate author based in the School of Nursing and Midwifery, Edith Cowan University

# PUBLICATIONS 2023

## RESEARCH PUBLICATIONS

Abdel Razeq, N.M., **Arabi**, D.H., Reem, A.A. & Al-Motlaq, M. (2024). Nurses' beliefs and perceptions regarding family-centered care services in acute pediatric healthcare settings. *Journal of Pediatric Nursing*. <https://doi.org/10.1016/j.pedn.2023.11.025>.

**Adama, E.A., Graf, A.**, Adusei-Asante, K. & Afrira-Yamoah, E. COVID-19 and alternative assessments in higher education: implications for academic integrity among nursing and social science students. *Int J Educ Integr* 19, 8 (2023). <https://doi.org/10.1007/s40979-023-00129-0>.

**Alan, J., Randall, S.**, Ferrante, A., & **Porock, D.** Relationship between residential aged care facility characteristics and breaches of the Australian aged care regulatory standards: non-compliance notices and sanctions. *Australas J Ageing*. 2023; 42: 355-364. <https://doi.org/10.1111/ajag.13165>.

**Alejandro AL**, Leo WWC, Bruce M, Gimutao K (2023) Does antibiotic awareness campaigns exposure decrease intention to demand antibiotic treatment? Testing a structural model among parents in Western Australia. *PLoS ONE* 18(5): e0285396. <https://doi.org/10.1371/journal.pone.0285396>.

**Alejandro, A. L.**, Bruce, M., & Leo, W. W. C. (2023). Changes in parental anxiety and intention to demand antibiotics: A longitudinal study among parents during the COVID-19 pandemic. *Journal of Advanced Nursing*, 00, 1–11. <https://doi.org/10.1111/jan.16008>.

AL-Qatameen, A.I., Obeidat, H.M., Habeeb-Allah, A., Alja'afreh, M.A., Aloweidi, A.S., & **Arabi**, D. A qualitative study of the comfort care experience from the perceptions of health care providers providing care for terminally ill infants in neonatal intensive care unit at the end of life. *Journal of Neonatal Nursing*. 2023. <https://doi.org/10.1016/j.jnn.2023.11.014>.

Al-Yateem, N., **Sarpong, A., Arabi**, D., **Gent, L.**, & **Towell-Barnard, A.** 2023. A Bibliometric Analysis of Missed Nursing Care Research: Current Themes and Way Forward. *Nursing Forum*. <https://doi.org/10.1155/2023/8334252>.

**Andrew, L.**, Karthigesu, S., Coall, D., Sim, M., Dare, J. & Boxall, K. (2023) What makes a space safe? Consumers' perspectives on a mental health safe space. *International Journal of Mental Health Nursing*, 32, 1355–1364. <https://doi.org/10.1111/inm.13174>.

**Ang, S.G.M., Saunders, R.**, Siah, C.J.R, Foskett, C., Etherton-Bear, C., Gullick, K., **Dunham, M.**, Sagaram, N., Tecson, R.R., Haydon, S., & Wilson, A. 2023. Factors associated with family carers' fall concern: Prospective study protocol. *Collegian*. <https://doi.org/10.1016/j.colegn.2023.07.004>.

**Arabi**, D., Al Jabery, M., **Robinson, S., Whitehead, L.**, & **Mörelus, E.** (2023). Interactive technology use and child development: A systematic review. *Child: Care, Health and Development*, 49(4), 679–715. <https://doi.org/10.1111/cch.13082>.

**Arnold, A., Coventry, L., Foster, M.**, Koplín, J. & Lucas, M. The Burden of Self-Reported Antibiotic Allergies in Health Care and How to Address It: A Systematic Review of the Evidence. 2023. *Journal of Allergy and Clinical Immunology: In Practice*. <https://doi.org/10.1016/j.jaip.2023.06.025>.

**Atee, M.**, Andreotta, M., Lloyd, R., Whiting, D., Alford, M., & Morris, T. Does pain matter in the Australian Royal Commission into Aged Care Quality and Safety? A text mining study. *Aging and Health Research*. *Aging and Health Research*, Volume 3, Issue 1, 2023. <https://doi.org/10.1016/j.ahr.2023.100126>.

**Atee, M.**, Morris, T., Whiting, D., **Chejor, P., Cain, T., Laging, B. and Porock, D.** (2023), Pain experience in immigrants living with dementia in residential aged care homes: A study from an Australian dementia behavior support service. *Alzheimer's Dement.*, 19: e079503. <https://doi.org/10.1002/alz.079503>.

**Babatunde Bulndi, L., Bayes, S., Adama, E., Ireson, D.**(2023). North-central Nigerian women's experiences of obstetric fistula risk factors and their perceived treatment services: An Interpretive Description. *Women and Birth*. <https://doi.org/10.1016/j.wombi.2023.02.007>.

Baldassar, L., **Nguyen, T. N. M.**, Jones, B., Stevens, C., Krzyzowski, L., Lozeva, S., Marino, S., Du Plooy, M. G. C., Eldridge, J., Almeida, O. P. and Ghosh, M. (2023). The impacts of COVID-19 restrictions on care-givers of people with cognitive impairment and their support needs: a mixed-methods systematic review. *Ageing and Society*. *Cambridge University Press*. <https://doi.org/10.1017/S0144686X23000752>.

Batten, M., Koerner, J., Kosari, S., Naunton, M., Lewis, J., & **Strickland, K.** Assessing implementation fidelity of an on-site pharmacist intervention within Australian residential aged care facilities: A mixed methods study. *BMC Health Serv Res* 23, 1166 (2023). <https://doi.org/10.1186/s12913-023-10172-9>.

Batten, M., Lewis, J., Naunton, M., **Strickland, K.**, & Kosari, S. Interprofessional collaboration between prescribers, managers, nursing staff and on-site pharmacists within residential aged care facilities: a mixed-methods study. *Age and Ageing*, Volume 52, Issue 8, August 2023, afad143. <https://doi.org/10.1093/ageing/afad143>.

- Blamires, J., **Foster, M.**, Napier, S., & Dickinson, A. Experiences and Perspectives of Children and Young People Living with Childhood-Onset Systemic Lupus Erythematosus – An Integrative Review. *Children*. 2023; 10(6):1006. <https://doi.org/10.3390/children10061006>.
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- Buchanan, K., Geraghty, S., Whitehead, L.,** Newnham, E. (2023) Woman-centred ethics: A feminist participatory action research. *Midwifery*. <https://doi.org/10.1016/j.midw.2022.103577>.
- Bulndi, LB., Ireson, D., Adama, E. & Bayes, S.** Women's views on obstetric fistula risk factors and prevention in north-central Nigeria: an interpretive descriptive study. *BMJ Open* 2023;13:e066923. <http://dx.doi.org/10.1136/bmjopen-2022-066923>.
- Cain, P., Chejor, P. & Porock, D.** Chemical restraint as behavioural euthanasia: case studies from the Royal Commission into Aged Care Quality and Safety. *BMC Geriatr* 23, 444 (2023). <https://doi.org/10.1186/s12877-023-04116-5>.
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- De Leo, A., Bloxsome, D. & Bayes, S.** Approaches to clinical guideline development in healthcare: a scoping review and document analysis. *BMC Health Serv Res* 23, 37 (2023). <https://doi.org/10.1186/s12913-022-08975-3>.
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- Doleman, G., Coventry, L., Towell-Barnard, A., Ghosh, M., Gent, L., Saunders, R., & O'Connell, B.** (2023). Staff perceptions of the effectiveness of managerial communication during the COVID-19 pandemic: A cross-sectional study. *International Journal of Nursing Practice*, e13149. <https://doi.org/10.1111/ijn.13149>.
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# ADJUNCT APPOINTMENTS

Adjunct appointments are made in recognition of important relationships with clinicians, policy makers and researchers.

## EMERITUS PROFESSOR

Christine Duffield

Diane Twigg

## ADJUNCT PROFESSOR

Andrew Day

Beverly O'Connell

Deborah Kirk

Evalotte Mörelius

Ian Jones

Julie Green

Stephen Neville

Susan Dawkes

Victoria Traynor

## ADJUNCT ASSOCIATE PROFESSOR

Aisling Smyth

Aisling Heavey

Ben Irish

Diana Arabiat

Gordon Hill

Indira Samarawickrema

Jacqueline Bloomfield

Jane Frost

Karen Bradley

Kasia Bail

Kirsten Coppell

Lucy Gent

Phillippa Carnemolla

Richard Bostwick

Richard Lakeman

Sadie Geraghty

Vicki Patton

Violet Platt

## ADJUNCT SENIOR LECTURER

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Caroline Vafeas

Eimear Quigley

Gordana Dermody

Hui Zhang

Janine Alan

Jennifer Grieve

Judith Pugh

Julieanne Hilbers

Melanie Murray

Mustafa Atee

Rochelle Matacz

Shannon Byrne

Sheila Mortimer-Jones

Tania Gavidia

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