



ACT Health



SYNERGY
NURSING & MIDWIFERY
RESEARCH CENTRE

2021–2022 **Annual Report**

SYNERGY Nursing and Midwifery Research Centre

Acknowledgement of Country

SYNERGY Nursing and Midwifery Research Centre acknowledges the Ngunnawal people as the traditional owners and custodians of the Canberra region and that the region is also an important meeting place and significant to other Aboriginal groups. We respect the Aboriginal and Torres Strait Islander people, their continuing culture and the contribution they make to the Canberra region and the life of our city.

Further Information

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1. Overview

SYNERGY is the Nursing and Midwifery Research Centre based at The Canberra Hospital and is an acknowledgement by the ACT Health Directorate (ACTHD) and the University of Canberra (UC) of the need to support a research culture that encourages engagement and collaboration, achieves regular outputs in key focus areas, enhances collaboration with key stakeholders, establishes international links with other centres, and develops a successful cohort of higher degree research students in nursing and midwifery.

Five areas of research focus have been identified as current strengths based on research outcomes including publications in refereed journals, research income and higher degree student enrolments and capacity:

- Mental Health Nursing and Psychosocial Wellbeing,
- Midwifery/Women Centred Care,
- Cancer and Oncology,
- Health Workforce, Education and Quality Outcomes,
- Gerontological Nursing and Care of the Older Person.

This report showcases the extensive work that SYNERGY undertakes in supporting nurses and midwives to develop, implement, and evaluate innovations that deliver person-centred care and improve outcomes for consumers, carers, and the health system in the ACT and elsewhere. It demonstrates SYNERGY's leadership in exploring, understanding, and reshaping health care services, and in ensuring the next generation of nurses and midwives has the skills and insight to continue to generate and use evidence to enhance health throughout the community.

Our Vision

To become a nationally and internationally recognised centre in research that contributes to the quality, articulation, and recognition of the nursing and midwifery professions and the translation of research findings into practice, education, and policy for the benefit of patients and communities.

Executive Sponsorship



Mr Anthony Dombkins

ACT Chief Nursing and Midwifery Officer – ACT Health Directorate

Anthony Dombkins is the ACT Chief Nursing and Midwifery Officer, a position he has held since January 2020. Previously the Director of Nursing and Midwifery, Northern Sydney Local Health District, Anthony graduated as a Registered Nurse in 1987 and holds postgraduate clinical certificates in Renal and Transplantation Nursing and Intensive Care Nursing, as well as a Masters, Health Management (UNE). Anthony has held a variety of senior health management positions within the public and private health

sectors across NSW. In June 2014, Anthony was appointed an Adjunct Professor, Nursing with the University of Sydney and the Australian Catholic University. Anthony was also a member of the Clinical Excellence Commission Advisory Board and a Board Director for Stewart House.



Professor Michelle Lincoln

Executive Dean, Faculty of Health – University of Canberra

Professor Michelle Lincoln (B App Sci, PhD, FSPA, PFHEA) is the Executive Dean of the Faculty of Health, University of Canberra. Professor Lincoln was formerly the Deputy Dean, Associate Dean Learning and Teaching and the Head of Discipline of Speech Pathology in the Faculty of Health Sciences, University of Sydney. She was the inaugural chair of the Asia Pacific Education Collaboration in Speech Pathology. Professor Lincoln's research in education is focused on competency-based assessment in clinical settings, clinical education models, ethical development and interprofessional learning. Professor Lincoln writes on and

researches allied health service delivery and workforce, particularly in rural, remote and Indigenous communities. Professor Lincoln's research has been funded by the National Health and Medical Research Council, the Australian Research Council and the NSW Government. She has published more than 130 peer-reviewed journal papers as well as books and book chapters. Professor Lincoln has won university and national teaching awards for her educational expertise in Speech Pathology. She is a Fellow of Speech Pathology Australia and a Principal Fellow of the Higher Education Academy.

Our Team



Professor Deborah Davis

Clinical Chair and Professor of Midwifery

A joint appointment by the ACT Government, ACT Health Directorate and the University of Canberra, Faculty of Health.

Professor Deborah Davis (BN, MNS, PhD) is a midwife with an extensive career in clinical practice (midwifery-led, continuity models of care), midwifery education and research. She is also active in the profession, having served for four years on the Board of Directors for the Australian

College of Midwives, two of which were in the role of Vice President. Professor Davis is committed to improving maternity services for childbearing women, through midwifery education, research, and service development. She supports research students to focus on clinical research that is important to our maternity services in the ACT and has worked with clinicians in the ACT to improve clinical outcomes in areas such as stillbirth prevention and protection of the perineum in childbirth. She has contributed chapters to pre-eminent midwifery textbooks, co-developed the world's first midwifery Massive Open Online Course (MOOC) on evidence-based practice, published extensively in scholarly journals, and plays a leadership role in service development in the ACT. Professor Davis' research interests focus on promoting wellness in childbearing women using salutogenic approaches, particularly in relation to birth environment and weight gain in pregnancy.



Professor Catherine Paterson

Clinical Chair and Professor of Nursing

A joint appointment by the ACT Government, ACT Health Directorate and the University of Canberra, Faculty of Health.

Professor Catherine Paterson (PhD, BA, MSc, PGCert. LTA, FHEA) conducts research in all areas of urology and uro-oncology. She has expertise in conducting systematic reviews, ecological momentary assessment methodology, mixed methods, complex interventions, and clinical trials. Professor Paterson has over 17 years' experience working in health services research, has published widely, and

supervises Higher Degree by Research (HDR) students.

Professor Paterson provides senior leadership for the Prehabilitation | Activity | Cancer | Exercise | Survivorship (PACES) Research Group at the University of Canberra, ACT Health and Canberra Health Services. The PACES clinical academic research group has multidisciplinary healthcare representation from nursing, medicine, and allied health, including consumer representation and Aboriginal and Torres Strait Islander Representation. We will develop clinically meaningful outcomes and what matters most to people living with and beyond cancer, while providing cost-effective solutions to reduce economic burden in primary and secondary care. Our synergistic clinical and academic research partnerships mean we lead and develop research that has translation pathway for impact directly back into practice. Our mission is to improve the lives of the estimated 130,000 Australians diagnosed with cancer each year.



Professor Michael Roche

Clinical Chair and Professor of Mental Health Nursing

A joint appointment by the ACT Government, ACT Health Directorate and the University of Canberra, Faculty of Health.

Dr Michael Roche (RN, PhD, FACN) has a wide-ranging research portfolio in mental health and health services using quantitative, multi-, and mixed- methods, including studies that have integrated longitudinal and cross-sectional data to provide new insights. His recent work has focused on professional pathways for mental health nurses, nurse resilience and retention, mental health safety culture, and workplace violence. He also has wide experience in clinical environments, education, information technology, and management positions in the public mental health system. He has attracted substantial research funding and has many publications, book chapters, conference presentations, and reports. He presently supervises research students exploring aspects of mental health nursing, person-centred care, resilience, workplace violence, and restrictive practices. He emphasises collaboration and engagement in his work and mentors new researchers across clinical and academic settings, for example, leading a team of new researchers across University of Canberra and ACT Health currently engaged in exploring Safewards implementation needs. Michael liaises with mental health and drug and alcohol services and non-government organisations across the ACT. He works closely with the Mental Health Justice Health Alcohol and Drugs Service (MHJHADS) to support nurses in their transition to mental health settings and in developing quality improvement and research activities.



Associate Professor Kasia Bail

Clinical Chair and Associate Professor of Gerontological Nursing

A joint appointment by the ACT Government, ACT Health Directorate and the University of Canberra, Faculty of Health.

Dr Kasia Bail is known for her work examining health services, older people and nursing. Dr Bail's work is positioned at the intersection between 'ageing well' and 'care delivery' by exploring the underlying social causation and impact of clinical prioritisation and decision making experienced by older adults, particularly for people experiencing cognitive impairment. With funding from industry and government she has examined older person care in relation to digital health systems, nurse sensitive outcomes, health information systems, aged care nurse practitioners, prognosis communication, costs, and dementia care in residential aged care as well as community and hospital settings. Dr Bail maintains casual hospital shifts and enjoys sharing scholarly inquiry with nursing students, industry, and professional groups to address structures and processes that enable quality person-centered care. Dr Bail enjoys co-designing research with the communities that the research serves and works with undergraduate and HDR students and clinicians to identify challenges and opportunities to translate evidence into practice related to person-focussed care for the older person. Key working teams for policy, practice and research impact include the Rehabilitation Aged and Community Services of ACT Health, ACT/SE Regional Team for Service Delivery Division, Ageing and Aged Care Group, Aged Care Workforce Branch, Market and Workforce Division, Australian Government Department of Health and Aged Care, Aged Care Nursing Roundtable, Capital Health Network, Ageing Research Group of University of Canberra, Aged Dementia Health Education and Research (ADHERE) Centre of University of Wollongong, and many individual residential aged care organisations.

2. Research Internship Programme

The Research Internship Programme began in 2021 and aims to provide registered nurses and midwives with an opportunity to develop their knowledge and skills in research.

Supported by the ACT Office of the Chief Nursing and Midwifery Officer, Interns are seconded from their employing division within the ACT Health Directorate on a 0.5FTE basis for a period of 12 months to SYNERGY Nursing and Midwifery Research Centre. During the 12-month placement, Interns complete the Graduate Certificate in Research with the University of Canberra, completing a research project that is relevant to their clinical service area. Interns are provided with mentorship and support from the SYNERGY Clinical Chairs in Midwifery and Nursing.

Previous Interns have emphasised the value of this program both to the organisation and individually. Shalyn Rourke, who completed her project on the unmet needs of people with cancer in 2021, points out:

My service has gained a clinical nurse with research skills that I can take back with me and apply directly to my unit, whether it be with quality improvement projects or the ability to better find up to date evidence to inform practice.

She also noted the impact on her career:

I've gained invaluable experience in nursing research by both the graduate certificate and the completion of a project alongside an academic mentor. I've also had the opportunity to attend a conference and present my research online, representing both my unit and the Canberra hospital. I hope to continue my research endeavours with further studies by undertaking my PhD at the university of Canberra.

Current Interns are undertaking projects that will provide useful information to their service units and to their organisations more broadly, alongside the skills they will bring to their teams.



Current Interns: Charlotte Verity and Monika Tencic.



Previous Interns: Shalyn Rourke and Tammy Dredge.

Current

Intern	Work Area	Project Title
Monika Tencic	Infection Control	Nurses' perceptions of the impact of nurse-patient ratios on infection control practices.
Charlotte Verity	Maternity	Preparedness for strategic planning: the experiences of midwives and nurses.

Completed

Intern	Work Area	Project Title and Outputs
Shalyn Rourke	Intensive Care Unit	<p>Exploring the unmet needs and quality of life experiences of people affected by cancer following a critical illness.</p> <p>Rourke, S., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU? A systematic review. <i>Cancer Nursing</i>. In print.</p> <p>Rourke, S., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU? A systematic review. <i>International Conference on Cancer Nursing</i>. 2022 February 23-25. Virtual. Oral.</p> <p>Rourke, S., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU? A systematic review. <i>Cancer Nurses Society Australia Congress</i>. 2022 June. Poster.</p> <p>Graduated Postgraduate Certificate, Research Methods at the University of Canberra. 2021.</p> <p>Pending:</p> <p>Rourke, S., Paterson, C. (2022). A qualitative study to explore the unmet needs and quality of life experiences of people affected by cancer following a critical illness.</p> <p>Rourke, S., Paterson, C. (2022). What are the experiences of ICU nurses during the COVID-19 pandemic? A qualitative systematic review.</p>
Tammy Dredge	Canberra Maternity Options Service	<p>Women's Experiences of the Canberra Maternity Options Service. Graduated Postgraduate Certificate, Research Methods at the University of Canberra. 2021.</p>

3. Practice Development Scholarships

Practice Development Scholarships (PDS, renamed SYNERGY Innovation Scholarships [SIS] from 2022) support nurses and midwives to undertake research, practice, or process improvement projects within their work areas with the ongoing support and guidance from their direct supervisor, the Director of Nursing and Midwifery, and an academic mentor.

The aims of the PDS are to increase the evidence base of nursing and midwifery practice, support practice or process improvements in the clinical area and improve outcomes for health service users.

PDS recipients present their findings to the 'SYNERGY Nursing and Midwifery Grand Rounds' with Canberra Health Services nursing leaders and as such contribute to service-level evaluation and development related to their topics.

These projects have significant local impact, for example, the project undertaken by Delilah Shelley to address reports of delayed antibiotic administration in Febrile Neutropenia. Her project evaluated the use of a Medication Standing Order (MSO) for the antibiotic Piperacillin Tazobactam in inpatient haematology. Under the mentorship of Professor Karen Strickland, and in collaboration with key stakeholders, including Dr Nalini Pati (Haematologist), Dr Nicholas Coatsworth (Infectious Disease Specialist), Edwina Smyth (Antimicrobial Stewardship [AMS]), Katherine Wakefield (Director of Nursing in Quality Health and Safety), Melissa O'Brien (Director of Nursing Cancer and Ambulatory) and a Quality Improvement Officer, Delilah examined existing retrospective study data, developed an application for the MSO's approval by the Drugs Therapeutic Committee, and created ward-specific care pathways for Febrile Neutropenia to guide assessment, administration, monitoring and management. The care pathway was endorsed early 2022 and will be formally evaluated by the infection control team led by Dr Kathryn Daveson in collaboration with Delilah. The program assisted in raising awareness of Febrile Neutropenia and MSOs through education sessions on the ward, other areas within the division, and to the relief/casual pool nursing to ensure compliance and safe practice.

Delilah also reports that her project had a major influence on her professional growth:

I developed research skills, learnt new research terminologies, learnt to create new relationships at an academic level, connected with key health professionals within the hospital and contributed to practice change within my areas. I learnt the style of academic writing, accessing and using research literature, skills in reviewing policy documents, making effective contributions in meetings, and developing and presenting findings. The key highlights from my PDS journey were my contribution to practice change, changing how I care for patients suffering from a life-threatening condition, and how I teach colleagues. Knowing that my work has and will continue to impact care and safe practice is very rewarding. I am now a PhD student at the University of Canberra.



Professor Catherine Paterson, Professor Deborah Davis, Delilah Shelley and Rebecca Heland.

Recipients

Recipient	Work Area	Project	Academic Mentor/s
Sophie Evans	Intensive Care Unit	<p>Introducing a Learning Management System (LMS) to the Intensive Care Unit Nursing Education Program.</p> <ul style="list-style-type: none"> This project will identify the important elements needed to introduce a LMS into a specialty clinical area. It will provide evidence on which to streamline and enhance existing paper-based systems. 	Professor Michael Roche
Kelly Ford	Cancer	<p>Does the use of distal-extremity cryotherapy prevent Chemotherapy-Induced Peripheral Neuropathy in women affected by breast cancer?: A feasibility study.</p> <ul style="list-style-type: none"> This project will assess the experience of distal-extremity cryotherapy. It will provide evidence to guide effective use. 	Professor Catherine Paterson
Louise Roberts	Geriatric Rapid Acute Care Evaluation (GRACE) team	Analyse the effect of an early screening process for delirium using the 4AT Delirium and Cognitive Impairment Screening Tool prior to a resident being transferred from a RACF (Residential Aged Care Facility) to an acute hospital environment during an episode of deterioration.	Associate Professor Kasia Bail
Monica Scott	Maternity	The proposed study will look to increase successful vaginal birth after caesarean rates for women by accessing continuity of care with a midwife.	Professor Deborah Davis
Rachel Bilton-Simek	CPH Clare Holland House	To identify touch points where patients and families have experienced obstacles or opportunities to discuss palliative care goals of care.	Dr Nicholas Glasgow, Karen Strickland

4. Honours Scholarships

The Bachelor of Midwifery (Hons) and Bachelor of Nursing (Hons) programs are offered to high performing graduates of the Bachelor of Midwifery or Bachelor of Nursing degree. The program involves a supervised research thesis which is undertaken over one-year full time or two-years part time. Most students undertake the program on a part time basis alongside employment in their graduate year or beyond.

The ACT Health Directorate, through the Office of the Chief Nursing and Midwifery Officer, began offering scholarships to graduate midwives in 2013 and nurses in 2015. Midwives and nurses are provided one day per week (funded by the ACT Office of the Chief Nursing and Midwifery Officer) to undertake the Honours program over two years, alongside their employment. Their research project is negotiated with senior health service staff members to ensure it is relevant and useful to the service whilst also within the scope of the Honours program.

This program attracts high performing graduates to ACT Health, beginning with the Centenary Hospital for Women and Children, Canberra Health Services and the Calvary Public Hospital Bruce. Graduates completing the program have high level skills and knowledge in project management, evidence-based practice, research methods and communicating research findings. Graduates from the Honours program are well equipped not only to undertake further research, but to lead quality improvement and other projects, critically appraise evidence for practice, and develop clinical policies.

Current

Bachelor of Midwifery (Honours) Students

Recipient	Work Area	Title and Outputs	Due to Complete
Claire White	Maternity	A content analysis of web-based information on the postpartum care of perineal injury. White, C. and D.M. Atchan. Postpartum management of perineal injury - A critical narrative review of level 1 evidence. Midwifery 2022. 112: p. 103410.	2022
Emma Goudron	Maternity	Carbon monoxide monitoring for women who smoke during pregnancy: An integrated systematic review.	2023
Victoria Chard	Maternity	A systematic review of the effectiveness of different models of maternity care to support perinatal mental health.	2023
Danielle Chenery	Maternity	Outcomes of women presenting with decreased fetal movements at Centenary Hospital for Women and Children.	2023

Bachelor of Nursing (Honours) Students

Recipient	Work Area	Title and Outputs	Due to Complete
Blake Askelin	Cancer	<p>Exploring patient engagement in uro-oncology multidisciplinary team meetings.</p> <p>Askelin, B., Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. Urological Society of Australia and New Zealand (USANZ) 74th Annual Scientific Meeting (ASM) and Australian and New Zealand Urological Nurses Society (ANZUNS) 26th Annual Meeting. Gold Coast, 2022 June 25-28.</p> <p>Askelin, B., Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. Asian-Pacific Journal of Clinical Oncology, Volume 17, Supplement 7. 2021 October. Poster.</p> <p>Askelin, B., Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.</p> <p>Askelin, B., Hind, A., Paterson, C. (2021). Exploring the impact of uro-oncology multidisciplinary team meetings on patient outcomes: A systematic review. European Journal of Oncology Nursing. 102032.</p> <p>Pending:</p> <p>Askelin, B., Hind, A., Paterson, C. (2021). A qualitative study exploring the barriers and facilitators of person-centred care in the uro-oncology multidisciplinary team meetings.</p>	End 2022
Laura Hants	Medical	Exploring the nursing process in the digital health record.	End 2023
Elizabeth Lambert	Palliative Care	Experiences of employed carers providing end of life care for culturally and linguistically diverse people.	End 2022
Amy O’Dea	Cancer	The impact of changes to visitor policy on clinical cancer nurses.	End 2023

Completed

Bachelor of Midwifery (Honours) Graduates

Recipient	Work Area	Title	Publications
Jo Evans	Maternity	Birth outcomes, health and healthcare needs of childbearing women following wildfire disasters: An integrative review.	Jo Evans, Amita Bansal, Danielle A.J.M. Schoenaker, Nicolas Cherbuin, Michael J. Peek, Deborah L. Davis (in press). Birth outcomes, health and healthcare needs of childbearing women following wildfire disasters: An integrative state of the science review. Environmental Health Perspectives.
Amanda Peek	Maternity	Systematic integrative review: Midwifery postpartum practices and their impact on breastfeeding.	In development.

Bachelor of Nursing (Honours) Graduates

Recipient	Work Area	Title	Publications
Gabriella Michl	Adult Nursing	Audits have an impact on the nurse's professional role and psychological wellbeing.	<p>Michl, G., Paterson, C., Bail, K. 2022. "It's all about ticks": A thematic analysis of nurse perspectives regarding documentation audit. Journal of Advanced Nursing – for minor revision.</p> <p>Michl, G., Paterson, C., Bail, K. 2022. Audits have an impact on the nurse's professional role and psychological wellbeing: A rapid systematic review. Submitted to International Journal of Health Care Quality Assurance.</p> <p>Michl, G., Paterson, C., Bail, K. 2021. Documentation audits have an impact on the nurse's professional role and psychological wellbeing. A rapid systematic review. The Canberra Health Annual Research Meeting (CHARM). 2021 July 29. Oral presentation.</p>

5. Nursing and Midwifery Grand Rounds: Research and Practice Development Forums

The Nursing and Midwifery Grand Rounds are held monthly in the SYNERGY office at The Canberra Hospital in the Clinical School. Each Forum has 2 presenters who showcase their research on a wide variety of topics relevant to nurses and midwives. The Forums also provide a fantastic networking platform with attendees from various departments across hospitals and academics from universities.

The Forums were postponed in July 2021 in response to the COVID-19 pandemic and recommenced in May 2022 in a hybrid format (virtual and face-to-face), ensuring flexibility in attendance for all nurses and midwives across the ACT. Participation has been strong with up to 9 attendees per Forum and 46 in total. All sessions are recorded and are available on the SYNERGY website:

<https://www.health.act.gov.au/health-professionals/nursing-and-midwifery-office/webinars>.

6. Research Development Series

The Research Development Series features a range of virtual Forums for all levels of healthcare practitioners to explore innovation in practice, and to champion and lead service design. Forums are held online monthly to support healthcare practitioners to develop skills, knowledge and research skills and capability. Each Forum includes a presentation to cultivate critical thinking to lead cutting edge research in healthcare.

Since re-commencement in June 2022, the series has attracted 169 participants in total, with a high of 33 in the September 2021 session and an average of 23 overall. All sessions are recorded and are available on the SYNERGY website: <https://www.health.act.gov.au/health-professionals/nursing-and-midwifery-office/webinars>.

7. SYNERGY Impact

One of SYNERGY's main roles is to facilitate the translation of evidence into practice, to positively impact patient, nurse, and health system outcomes. A key component of this work is the engagement and support of clinical nurses and midwives, and junior academic researchers. Developing, undertaking, and disseminating research with clinicians develops an understanding of rigor with impact on quality initiatives and translation of research into clinical practice. Over time this develops a community of clinicians with the capacity to access, translate, and apply research to their work. This leads to both immediate and clear policy or practice change (for example, see internship and scholarship vignettes above), and translation that develops over a longer period. The latter is particularly true when practice change is significant, for example, the lengthy change of mental health services to a personal recovery focus. Engagement and interactions raise consciousness and are a key component of the theory to practice translation work. Nonetheless, SYNERGY's work has had considerable immediate impact on the Canberra health community and more broadly. The following examples highlight this impact:

Paterson, C. Featured Article (2021). Media Release: University of Canberra to lead vital wellbeing projects in Canberra after securing grants of over \$650,000.00.

[https://www.canberra.edu.au/about-uc/media/newsroom/2021/december/uc-to-lead-vital-wellbeing-projects-in-canberra-after-securing-grants-of-over-\\$650,000](https://www.canberra.edu.au/about-uc/media/newsroom/2021/december/uc-to-lead-vital-wellbeing-projects-in-canberra-after-securing-grants-of-over-$650,000).

- These projects aim to improve the lives of Canberra residents living with serious illnesses, with more than 160 participants and their family members set to benefit. The team of researchers and health workers will tackle the complex issues of patients suffering from stroke, brain cancer, and youth mental health conditions. These programs will break new ground in rehabilitation and treatment and enhance people's quality-of-life.

ACT Health Directorate funded project investigating comprehensive care documentation:

- Directly created the assessment and screening instrument that was implemented following the research, and then directly informed the creation of the Digital Health Record (DHR) translation via EPIC. Of note was an increased focus of 'what are the patient goals of care today' in activating the patient voice in hospital systems.
- This project has also two drafted publications, not yet accepted, for the 2021 Honours Scholarship student Gabriella Michl, associated with the project. These draft publications are currently informing the interRAI assessment suite internationally via the interRAI meeting in Quebec City, Canada.
- Also linked to this publication: Paterson, C., Roberts, C., Bail, K. 'Paper care not patient care': Nurse and patient experiences of comprehensive risk assessment and care plan documentation in hospital. *J Clin Nurs*. 2022 Mar 29. doi: 10.1111/jocn.16291. Epub ahead of print. PMID: 35352417.

Bail, K., Merrick, E., Gibson, D., Strickland, K., Smith, B., Hind, A., Vann, B., Jojo, N., Paterson, C., Redley, B. (2021). Evaluation of ACE in residential aged care: The impact of a digital point-of-care system on residents and staff. University of Canberra. https://www.canberra.edu.au/about-uc/faculties/health/research/ageing/docs/Evaluation-of-ACE-in-Aged-Care_Cover_2F52.pdf.

- This project evaluated the implementation of a point-of-care documentation and decision-support system in Residential Aged Care. The system was found to be acceptable to staff and residents, and to enhance efficiency. The quality of resident care was enhanced with staff able to spend more time with residents and to respond to their needs more effectively. The system had multiple media reports, is recommended by Council of The Aged (COTA), and has been taken up in other sites across the country,

Davis, D., Creedy, D., Stulz, V., Atchan, M., Newnham, E., Griffiths, C., Judith -Couper, J., Graham, K., Davies, L., Bradfield, Z., & Sweet, L. (2021). Development of the Woman-Centred Care Scale - Self Report (WCCS-SR). *BMC pregnancy and childbirth* 21(1), 1-11.

- How do you know if the care you are providing as a midwife, is woman centred? What factors (education, model of care, for example) enhance midwives' ability to provide woman centred care? Led by Professor Deborah Davis, a team of researchers from Australia and New Zealand developed the Woman Centred Care Scale (Davis et al., 2021) to enable questions like these to be answered. The team have received numerous requests to validate the instrument in different countries. Currently, Queensland Health is using the instrument to measure the impact of the introduction of midwife ratios in some maternity services in Queensland.

Establishment of GENA: Gerontological Alliance of Nurses Australia; co-founded by Associate Professor Kasia Bail and Professor Victoria Traynor at the University of Wollongong. This national alliance supports nursing professionals who work with older people in Australia, and their families and carers. <https://www.canberra.edu.au/about-uc/media/newsroom/2022/october/uc-collaboration-forms-new-alliance-for-nurses-dedicated-to-the-care-of-older-people>.

- This project has been rolled out in association with the Transition to Practice Program for Residential Aged Care funded by the Australian Commonwealth Government. Associated practice impacts include 117 new graduate nurses commencing program in aged care; new clinical placements with gerontological nurses within Canberra Health Services (RADAR and GRACE teams). It will also impact policy by enhancing eligibility criteria for transition to practice applicants.

Roche, M. A., Glover, S., Luo, X., Joyce, M., & Rossiter, C. (2021). Extending the role of nursing assistants in mental health inpatient settings: a multi-method study. *International Journal of Mental Health Nursing*, 30(5), 1070-1079. <https://doi.org/10.1111/inm.12859>.

- This project developed, implemented, and evaluated a new role for nursing assistants in mental health specialty practice. It demonstrated a technique for developing role descriptions with broad applicability and identified key areas where future professional development must take place to ensure high quality care.

Northam, H.L. (2021-22). Convene, and transition the Canberra Restorative Community to University of Canberra. <http://www.canberrarestorativecommunity.space/>.

- This is a growing network of practitioners, professionals, academics, and others that aims to expand restorative justice principles and practice across the Canberra community. The intention is to build Canberra as a restorative community through growing and widening the circle of people who are interested in connecting, sharing and promoting their experiences and knowledge of restorative justice approaches.

8. Community Engagement

SYNERGY undertakes a range of non-peer-reviewed approaches to communication. This is important not only in disseminating new research evidence but as noted above, is also a fundamental component of research translation with the nursing and health communities and the public. Some examples of community engagement include:

Paterson, C. Featured Article (2021). A day in the life of a clinical professor of nursing. BMJ Blog Series (International and national reach for nursing careers). <https://blogs.bmj.com/ebn/2021/07/25/a-day-in-the-life-of-a-clinical-nursing-professor/>.

Bevage, L., Bail, K., Gibson, D. (2021). Improving the quality of healthcare? Not wasting clinicians time would help. *The Health Advocate*. 2021 August.

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Northam, H.L. (2020- 2021). Advisory role: ACT Minister Tara Cheyne re. legislative change to the ACT Births Deaths and Marriages Act to enable families of tissue donors to receive a death certificate with the donation acknowledged. Legislation cross party agreement and presented to Legislative Assembly.

Hartevelt, E. (2022). Rapid changes bring a shift in mental health nurses' perceived identity: Q&A with Professor Michael Roche. Nursing Review. <https://www.nursingreview.com.au/2022/06/rapid-changes-bring-a-shift-in-mental-health-nurses-perceived-identity-qa/>.

Roche, M. A. 2022. Safewards Research Opportunities. Nurses and Midwives: Towards a Safer Culture Roadshow. ACT Health Directorate.

Bail, K., Redley, B., Gibson, D. (2022). Reinvesting time in the quality of resident care – digital efficiency might be the answer. Australian Nursing and Midwifery Journal; 27.7.

Gibson, D. & Bail, K. Hope for Aged Care. Policy Forum Podcast (Australian National University Crawford School). 2022 April 28. <https://crawford.anu.edu.au/news-events/news/20218/podcast-hope-aged-care>.

9. Midwifery Research Activity

There were 3 book chapters and 20 articles published during the 2021-2022 period by the following authors. Examples of the impact of this work are included above (p.16).

Book Chapters

Davis, D. & Hunter, M. (2022). "Pharmacology and prescribing for midwives". In: Pairman, S., Tracy S., Thorogood C. & Dahlen H. (eds), Midwifery: preparation for practice 5e. Churchill Livingstone: Chatswood, Australia.

Davis, D. & Ferguson, S. (2022). "The application of salutogenesis in midwifery practice". In: Mittlemark, M., Sagy, S., Eriksson, M., Bauer, G., Pelikan, J., Lindstrom, B. & Espnes G. (eds), The Handbook of Salutogenesis (2nd Edition). Springer: Switzerland.

Sweet, L., Davis, D. Learning and teaching in clinical settings: Expert commentary from a midwifery perspective. In: Nestel D., Reedy G., McKenna L., Gough S., editors, Clinical Education for the Health Professions: Theory and Practice. Springer: Singapore. 2021.

Articles

Artuso, Heather and Deborah L. Davis. 2022. 'Trends and characteristics of women undergoing induction of labour in a tertiary hospital setting: A cross-sectional study'. Women and Birth. 35: e181-e87.

Bell, Ms Catherine H., Sally Muggleton, and Deborah L. Davis. 2022. 'Birth plans: A systematic, integrative review into their purpose, process, and impact'. Midwifery. 111: 103388.

Irwin, N., Currie, M. J., & Davis, D. (2022). Trends in hospitalisation for common paediatric infections: An Australian experience. J Paediatr, Child Health. 58(4), 655-661.

- Irwin, Nicola, Marian J Currie, and Deborah Davis. 2022. 'Probiotic supplementation in healthy pre-school-aged children: Prevalence and predictors'. *Journal of Paediatrics and Child Health*. 58: 604-10.
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- Kurz, E., Davis, D., & Browne, J. 2022. Parturescence: A theorisation of women's transformation through childbirth. *Women Birth*. 35(2), 135-143.
- Kurz, E., Davis, D., & Browne, J. 2022. The relationality of maternity care: A diffractive analysis of maternity care experiences. *Women and Birth*. 35(1), 96-103.
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- Perriman, Noelyn, Deborah Lee Davis, and Sally Muggleton. 2022. 'Developing an instrument to measure satisfaction with continuity of midwifery care drawing on the Delphi technique'. *Women and Birth*. 35: e84-e90.
- Pontoppidan, Maiken, Lene Nygaard, Mette Thorsager, Mette Friis-Hansen, Deborah Davis, and Ellen Aagaard Nohr. 2022. 'The FACAM study: protocol for a randomized controlled study of an early interdisciplinary intervention to support women in vulnerable positions through pregnancy and the first 5 years of motherhood'. *Trials*. 23: 73.
- Ratnayake Mudiyansele, S., D. Davis, E. Kurz, and M. Atchan. 2022. 'Infant and young child feeding during natural disasters: A systematic integrative literature review'. *Women Birth*.
- Zheng, Charlene Xiaoling, Marjorie Atchan, Donna Hartz, Deborah Davis, and Ella Kurz. 2022. 'Factors influencing Aboriginal and Torres Strait Islander women's breastfeeding practice: A scoping narrative review'. *Women and Birth*.
- White, Claire, and Dr Marjorie Atchan. 2022. 'Postpartum management of perineal injury - A critical narrative review of level 1 evidence'. *Midwifery*. 112: 103410.
- Sidebotham, Mary, Lois McKellar, Caroline Walters, Andrea Gilkison, Deborah Davis, and Jenny Gamble. 2021. 'Identifying the priorities for midwifery education across Australia and New Zealand: A Delphi study'. *Women and Birth*. 34: 136-44.
- White, Claire, and Deborah Davis. 2021. 'Barriers and enablers in maintaining healthy gestational weight gain: A qualitative study'. *Women and Birth*. 34: e461-e67.
- Bowman, Rebekah, Jan Taylor, Sally Muggleton, and Deborah Davis. 2021. 'Biophysical effects, safety and efficacy of raspberry leaf use in pregnancy: A systematic integrative review'. *BMC Complementary Medicine and Therapies*. 21: 56.
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Hanley, Andrea, Deborah Davis, and Ella Kurz. 2021. 'Job satisfaction and sustainability of midwives working in caseload models of care: An integrative literature review'. *Women and Birth*.

Hindmarsh, Celia, and Deborah L. Davis. 2021. 'A Decision Aid for midwifery continuity of care: Development and pilot acceptability testing'. *Women and Birth*. 34: e624-e30.

10. Nursing Research Activity

There were 3 book chapters, 54 publications, 3 reports and 35 conference papers published during the 2021-2022 period. The impact of this work was broad, with highlights included above (p.16).

Book Chapters

Roche, M. A. (2022). *Mental Health Nursing*. In L. Potter (Ed.), *No Longer Silent: Voices of 21st Century Nurses*. Australian College of Nursing.

Roche, M. A., Wand, T., Clegg, L., & Emond, K. (2022). *Mental Health Emergencies*. In: K. Curtis, C. Ramsden, J. Considine, & M. Fry (Eds.), *Emergency and Trauma Care for Nurses and Paramedics (4th Edition)*. Elsevier.

Roche, M. A., & Eade, A. (2022). *Alcohol, Tobacco and Other Drug Use*. In: K. Curtis, C. Ramsden, J. Considine, & M. Fry (Eds.), *Emergency and Trauma Care for Nurses and Paramedics (4th Edition)*. Elsevier.

Publications

Bail, K., Gibson, D., Acharya, P., Blackburn, J., Kaak, V., Kozlovskaja, M., Turner, M., & Redley, B. (2022). Using health information technology in residential aged care homes: An integrative review to identify service and quality outcomes. *International Journal of Medical Informatics*. 165, 1-9. <https://doi.org/10.1016/j.ijmedinf.2022.104824>.

Toohey, K., Paterson, C., Moore, M., Hunter, M. 2022. Towards best practice in the delivery 1 of prescribed exercise via Telehealth for individuals diagnosed with cancer: A randomised controlled trial protocol. *Contemporary Clinical Trials*. In print.

Barratt, M., Bail, K. & Paterson, C. 2022. Children living with long-term conditions and their experiences of nursing care: An integrative systematic review. *Journal of Clinical Nursing*. 30:17-18. In print.

Rourke, S., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU? A systematic review. *Cancer Nursing*. In print.

Doyle, R., Craft, P., Murray, T, Paterson, C. (2022). Identifying the unmet supportive care needs of individuals affected by testicular cancer: A systematic review. *Journal of Cancer Survivorship*. In print.

Toohey, K., Hunter, M., Paterson, C., Mortazavi, R., Singh, B. (2022). Exercise adherence in men with prostate cancer undergoing androgen deprivation therapy: A systematic review and meta-analysis. *Cancers*. In print.

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Stemmer, R., Bassi, E., Paterson, C., Turner, M., Meyer, G., Shifaza, F., Ates, A., Harvey, C., Bail, K. (2022). Rationed or missed care impact on nurse-related outcomes of satisfaction, intention-to-leave, burnout, and turnover: A systematic review. *Journal of Advanced Nursing*. In print.

Aust, A., Walton-Sonda, D., Paterson, C. (2022). How does the provision of integrative oncology services impact on patients physical and psychosocial outcomes? A systematic review. *Seminars in Oncology Nursing*. In print.

Paterson, C., Roberts, C., Bail, K., (2022). "Paper care not patient care": Nurse and patient experiences of comprehensive risk assessment and care plan documentation in hospital. *Journal of Clinical Nursing*. 2022 Mar 29. doi: 10.1111/jocn.16291. Online ahead of print. <https://doi.org/10.1111/jocn.16291>.

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Wise, S., Duffield, C., Fry, M., & Roche, M. A. (2022). Nurses' role in accomplishing interprofessional coordination. Lessons in 'almost managing' an emergency department team. *Journal of Nursing Management*. 30(1), 198-204. <https://doi.org/10.1111/jonm.13464>.

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Delgado, C., Evans, A., Roche, M. A., & Foster, K. (2022). Mental health nurses' resilience in the context of emotional labour: An interpretive qualitative study. *International Journal of Mental Health Nursing*. <https://doi.org/10.1111/inm.13037>.

Paterson, C., Owusu, E., Rolley, J. (2021). What are the perceptions and experiences of care delivery among faith community nurses? A systematic review. *Seminars in Oncology Nursing*. 151211.

O'Dea, A., Gedye, C., Jago, B., Paterson, C. (2021). Identifying the unmet supportive care needs of people affected by kidney cancer: A systematic review. *Journal of Cancer Survivorship*. 1-17.

O'Connor, T., Paterson, C., Gibson, J., Strickland, K. (2021). The Conscious State of the Dying Patient: An Integrative Review. *Palliative and Supportive Care*. 1-13.

Askelin, B, Hind, A, Paterson, C. (2021). Exploring the impact of uro-oncology multidisciplinary team meetings on patient outcomes: A systematic review. *European Journal of Oncology Nursing*. 102032.

Hawks, C., Viswambaram, P., Cloney, C., Botha, E., Brown, M., Chambers, S., Paterson, C., Hayne, H (2021). Prospective analysis of men's preferences for initial telephonic notification of prostate biopsy results by a Clinical Nurse at the 'One Stop Prostate Clinic'. *European Journal of Cancer Care*. In print.

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- Willis, E., Zelenikova, R., Bail, K., Papastavrou, E. 2021. The globalization of missed nursing care terminology. *International Journal of Nursing Practice*. 27 (1), e12859.
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Reports

- Roche, M. A., Wilson, V., Eason, M., Molloy, L., O’Connor, M., Merrick, T., & Guha, M. (2022). Strengthening the safety culture of acute mental health in-patient units in New South Wales. *University of Technology Sydney*.
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Conference Papers

Rourke, S., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU? A systematic review. Cancer Nurses Society Australia Congress. 2022 June. Poster.

Doyle, R., Turner, M., Craft, P., Paterson, C. (2022). What are the unmet supportive care needs of individuals affected by testicular cancer?: A systematic review. Cancer Nurses Society Australia Congress. 2022 June. Oral.

Askelin, B, Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. Urological Society of Australia and New Zealand (USANZ) 74th Annual Scientific Meeting (ASM) and Australian and New Zealand Urological Nurses Society (ANZUNS) 26th Annual Meeting. Gold Coast, 2022 June 25-28.

Rourke, S., Turner, M., Paterson, C. (2022). How does health-related quality of life and psychological well-being change over time in patients affected by cancer following an admission to the ICU?: A systematic review. International Conference on Cancer Nursing. 2022 February 23-25. Virtual. Oral.

Doyle, R., Turner, M., Craft, P., Paterson, C. (2022). What are the unmet supportive care needs of individuals affected by testicular cancer?: A systematic review. 2022 February 23-25. International Conference on Cancer Nursing (ICCN). Virtual. Oral.

O'Dea, A., Gedye, C., Jago, B., Paterson, C. (2021). Identifying the unmet supportive care needs of people affected by kidney cancer. Asian-Pacific Journal of Clinical Oncology. Volume 17, Supplement. 2021 October 7. Poster.

Askelin, B, Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. Asian-Pacific Journal of Clinical Oncology. Volume 17, Supplement. 2021 October 7. Poster.

Mckie, A, Paterson, C. (2021). What are the unmet supportive care needs of young people who have received a kidney transplant and their partners/caregivers, and what are their preferences for support? The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Poster.

Johnston, N., Phillips, C., Paterson, C., Turner, M., Strickland, K., Chapman, M., Gibson, J., Bail, K., (2021). Reliving trauma near death: a systematic review. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Poster.

Michl, G., Paterson, C., Bail, K., (2021). To understand the impact of audit and feedback processes on the professional role and the nurse and nurses' psychological wellbeing of nurses. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.

Askelin, B, Hind, A., Paterson, C. (2021). The impact of uro-oncology multidisciplinary team meetings on patient outcomes and patient engagement in the process. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.

Barratt, M, Bail, K., Paterson, C. (2021). Giving voice to children in parent-nurse partnership. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.

O'Connor, T., Paterson, C., Gibson, J., Strickland, K. (2021) Holistic care needs of the imminently dying. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.

O'Dea, A., Gedye, C., Jago, B., Paterson, C. (2021). Identifying the unmet supportive care needs of People affected by kidney cancer. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Podium.

O'Connor, T., Paterson, C., Gibson, J., Strickland, K. (2021). Holistic care needs of the imminently dying: A systematic review. Oceanic Palliative Care Conference. 2021. Podium.

Aust, A. Walton-Sonda, D. Paterson, C. (2021). How does the provision of integrative oncology services impact on patients physical and psychosocial outcomes? A systematic review. 23rd Cancer Nurses Society Australia Congress, Sydney. Podium.

O'Dea, A., Gedye, C., Jago, B., Paterson, C. (2021). Identifying the unmet supportive care needs of people affected by kidney cancer: A rapid systematic review. 23rd Cancer Nurses Society Australia Congress, Sydney. Podium.

Bail, K., Hind, A., Strickland, K., Paterson, C., Gibson, D., Merrick, E., Gibson, J., Kozlovskaja, M., Smith, B., Redley, B. (2021). Improving resident-focused documentation and saving nurse time: evaluation of a digital system in aged care. 54th Australian Association of Gerontology (AAG) Conference. Podium.

Bail, K., Hind, A., Strickland, K., Paterson, C., Gibson, D., Merrick, E., Gibson, J., Kozlovskaja, M., Smith, B., Redley, B. (2021). The impact of a documentation and decision support system on outcomes in residential aged care. Health Informatics New Zealand (HiNZ) Conference.

Northam, H.L. (2022 March 29). Beyond the apology. Using restorative practice to walk in reconciled relationship with Aboriginal and Torres Strait Islander peoples as accomplice. Council of Deans of Nursing and Midwifery Symposium. <https://www.youtube.com/watch?v=f52Y0iUOGIs>.

Northam, H.L. (2021 July 29). Defining health through a restorative justice lens... learning cultural humility. Health Humanities, University of Canberra.

Thompson, A (presenting author), Foley, D, Northam, H, Wilson, H, Agarwal, C, Minehan, M, Kellett, J, Lawlis, T, Jani, R, Mete R, Bacon R. (2021). Indigenous Australian pedagogies and perspectives in Curricula. Dietitians Association of Australia Conference.

Jojo, N., Nattala. P., Seshadri, S., Krishnakumar. P. (2021). Effectiveness of Behavioral Skills Training (BST) on knowledge of sexual abuse and resistance ability among children with intellectual disability. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Poster.

Joseph, J., Jojo, N. (2021). Sleep problems and its relationship with autism severity, problematic behaviour and parental distress in children with low functioning autism. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting. Poster.

Jojo, N., Wilson. R. (2021). Are nurses in Australia prepared enough to care for people with Intellectual disability? National Allied Health Conference. 2021 August 9-12. Virtual meeting. Oral.

Jojo, N., Wilson, R. (2022). Are graduating nurses in Australia prepared enough to care for people with intellectual disability? Council for Nurses and Midwives (CDNM) Conference. 2022 March 29-30. Virtual meeting. Oral.

Sealey, L., Cruickshank, M., Stein-Parbury, J., Roche, M. A., & Sheppard-Law, S. (2022). Numbers without context; the limitations of restrictive practices data in CAMH. Child and Adolescent Mental Health Conference, Gold Coast.

Hansen, A., McGarry, D., Johnson, A., & Roche, M. A. (2021). Learning mental health: What is the impact of students' culture? The Mental Health Services Conference, Melbourne. Virtual.

Paul, D., Glover, S., Roche, M. A., Klarnett, K., Chen, X., Wall, J., & Joyce, M. (2021). Effective consumer side handover in inpatient mental health and drug and alcohol. The Mental Health Services Conference, Perth. Virtual.

Roche, M. A., Hart, B., & Nicholls, A. (2021). Complex Illness, Regulation, and Recovery: The Experiences of Nurses and Midwives in an Alternative-to-Discipline Program. 32nd International Nursing Research Congress, Singapore.

Sealey, L., Cruickshank, M., Stein-Parbury, J., Roche, M. A., & Sheppard-Law, S. (2021). The impact of definitional uncertainty; how child and adolescent mental health data can direct changes in restrictive practice policy. National Nurses Forum. Livestream.

Sealey, L., Cruickshank, M., Stein-Parbury, J., Roche, M. A., & Sheppard-Law, S. (2021). Redefining restrictive practices; evidence for policy change in child and adolescent mental health care. The Mental Health Services Conference (TheMHS). Livestream.

Freene, N., Bail, K., et al. Can physical activity measurement alone improve objectively-measured physical activity in primary care?: A systematic review and meta-analysis. Australian Physiotherapy Association Conference – Thrive, Brisbane. 2021.

Freene, N., Bail, K., et al. Physical activity promotion by health professionals: educating our future workforce. Australian Physiotherapy Association Conference – Thrive, Brisbane. 2021.

Dunk A.M., Broom M., Fourie A., Beeckman D. (2022). Clinical signs and symptoms of diaper dermatitis in newborns, infants, and young children: A scoping review. Poster.

11. Invited Presentations

2021

Paterson, C. Paving a way to combine, nurse-led clinical practice and research: A new model in urological nursing. Australian and New Zealand Urological Nurses Society (ANZUNS) National Seminar Series. 2021 December 6. Australia.

Paterson, C. Developing clinical academic pathways for nurses. Australian and New Zealand Urogenital and Prostate (ANZUP) 2021 Annual Scientific Meeting, 2021 October 23. Virtual Conference, Australia. Asia-Pacific Journal of Clinical Oncology. Volume 18, Issue S1.

Paterson, C. Chair of the multidisciplinary team masterclass in penile cancer. Australian and New Zealand Urogenital and Prostate (ANZUP) 2021 Annual Scientific Meeting. 2021 October 23. Virtual Conference. Australia.

Paterson, C. What are the recent areas of interventional supportive care research in prostate cancer? Medical Oncology Group (MOGA) Annual Scientific Meeting. 2021 August 6. Virtual International Meeting.

Paterson, C. University of Canberra's Research Big Initiatives. Putting cancer through its PACES: Interdisciplinary cancer care. The Canberra Health Annual Research Meeting (CHARM). 2021 July 27-30. Virtual Meeting.

Paterson, C. Cryotherapy as side effects management – the past, present and future. Unmet needs of people affected by chemotherapy induced alopecia. Multinational Association of Supportive Care in Cancer (MASCC) Symposium. International Cancer Congress, USA.

Northam, H.L. Applebee, W. (2021). "Ngura' – belonging: The decolonising power of Restorative Practice to connect and heal". The first biennial Indigenous Research Symposium. 2021 December 16. Virtual.

Northam, H.L. Brown, R. (2021). Ngura (Belonging). 'Back to the Fire' Congress of Aboriginal and Torres Strait Islander Nurses and Midwives (CATSINaM) National Conference Series. 2021 November 3. Virtual.

Northam, H.L. (2021). "Using restorative approaches to reveal and remove professional and institutional barriers to human flourishing." 2021 October 8. Invited to present lecture for the Health Law and Policy Seminar Series. Dalhousie University.
<https://www.youtube.com/watch?v=8WnJfLB4cfg>.

Northam, H.L. (2021). Imagine... A Restorative Hospital. Invited lecture Masters in Restorative Justice Course. Regulatory Institutions Network, Australian National University. 2021 August 25.

Northam, H.L. (2021). Health Humanities Roundtable. 'Defining health through a restorative justice lens... learning cultural humility.' University of Canberra. 2021 July 29. Ann Harding Conference Centre, University of Canberra.

2022

Paterson, C. Addressing the physical and psychosocial needs of people affected by cancer. International Cancer Summit Meeting. Chair of Multidisciplinary Panel. PAXMAN Virtual Meeting. 2022 April.

Paterson, C. NUNS Research Scholarship Programme. NSW and ACT Urological Nurses Society. 2022 March.

Northam, H.L. (2022). Kindness isn't weakness - working together as a restorative community to tackle intractable problems. Restorative Lab 2022 Public Lecture Series. The Restorative Research, Innovation and Education Lab at Dalhousie University's Schulich School of Law, Dalhousie University, Canada.

Crisp, G., Wilson, B., Tapine, K., Lincoln, M., Northam, H.L., Gerald, A., Applebee, W. (2022). National Close the Gap Day Panel. Recorded, 2022 March 3, University of Canberra. Shared live 2022 March 17. <https://www.youtube.com/watch?v=qxh7g0xmcnk>.

Applebee, W., Drumgold, S., Webb, J., Northam, H.L. . Rubenstein, K., Collis, P., Sage, M., Blenkin, M., Kumar, C., Judge, J. Bozin, D., (2022). Demonstration Conflict Resolution Yarning Circle. 2022 February 21, University of Canberra (UC). Demonstration for UC curriculums in Dispute Management and Counselling in Dispute Management units and part of the UC Law School commencement of academic year for 2022. <https://www.canberra.edu.au/about-uc/media/newsroom/2022/february/uc-introduces-yarning-circles-as-part-of-curriculum-across-disciplines>. Link to event: <https://www.youtube.com/watch?v=qx6DQOxuFIY>.

12. Grants

Grants are a vital part of the research enterprise. The following grant applications demonstrate the broad engagement of SYNERGY. Collaboration is a key feature of the team's work, providing a basis for impact and opportunities for new clinical researchers to develop their skills.

Submitted

Rattray, Paterson, Pranavan, et al. (2022) Cognitive impairment in survivors of prostate cancer: combining cognitive and physical activity for a brain fog fix. World Cancer Fund, \$59,323.17. 2022-2023.

Sharpe, S., Northam, H.L., Dale, N., Applebee, W., Boer, D., Clark, C., Foley, D., Dickson, T., Wilson, B. (2021). Commonwealth Approach to Market: Indigenous Justice Research Program. Australian Institute of Criminology, the National Indigenous Australians Agency (NIAA) and the Indigenous Justice Clearinghouse (IJC), \$527,098.19.

Diane Gibson, Nathan D'Cunha, Stephen Isbel, Kasia Bail, The SPICE PROJECT: Post-diagnostic dementia support & reablement (University of Canberra and Canberra Health Services, University of Canberra Hospital). National Health and Medical Research Council (NHMRC) Partnership Projects, \$500,000.00.

HRI led (Nasser Bagheri, Luis Salvador, Renuka Visvanathan, P Sachdev, Elizabeth Beattie, Susannah Ahern, Sharon Naismith, Leon Flicker, Sue Kurrle, Henry Brodaty, with Kasia Bail (AI). The Australian Aged Care Atlas with a focus on dementia. Medical Research Future Fund (MRFF) – Dementia, Ageing and Aged Care Mission, \$2,227,396.00.

Julien Periard, Gordon Waddington, Olivier Girard, Christopher Minson, Susan Antcliff, James Gilmore, Stephan Praet, David Bishop, Brad Clark, Kasia Bail. Mitigating Falls Risk in Older Adults with Heat Therapy. Medical Research Future Fund (MRFF) – Ideas Grants, \$1,600,000.00.

Rajjwala Maharhan, Deborah Booth, Kasia Bail. Aged Care Centre for Growth and Translational Research, Innovator Training Program, \$10,000.00.

Renaye Jones, Mark Sheldon-Stemm, Kasia Bail. Aged Care Centre for Growth and Translational Research, Innovator Training Program, \$10,000.00.

Amanda Fox, James Hughes, Kasia Bail, Samantha Keogh, Louise Hutt, Sandra Johnston, Elizabeth Beattie. Strategies used by clinicians in the emergency department undertaking minimally invasive procedures on patients experiencing cognitive impairment. Seed Grant, Queensland University of Technology, \$10,000.00.

Nathan D’Cunha, Diane Gibson, Stephen Isbel, Kasia Bail, Sue Kurrle, James Noble. Delivering timely post-diagnostic dementia care and support (University of Canberra and Canberra Health Services, University of Canberra Hospital) (SPICE Project). National Health and Medical Research Council (NHMRC) Investigator Grant, \$655,150.00.

Nurse-carer integrated delirium management for hospitalised older Australians (NCI-Delirium): An effectiveness-implementation hybrid type 2 study. Aggar, Bail, Craswell, Hamiduzzamann, Compton, Sorwar, Hughes, Greenhill, Shulman, Langheim, Bowen, Shinnars. Medical Research Future Fund (MRFF) - 2022 Clinician Researchers: Nurses, Midwives Grant Scheme, National Health and Medical Research Council (NHMRC), \$140,000.00 of \$1,002,000.00.

Partnering with family carers of older adults in identification and management of delirium in regional hospitals: a stepped wedge trial. Aggar, Bail, Craswell, Hamiduzzamann, Compton, Sorwar, Hughes, Greenhill, Shulman, Langheim, Bowen, Shinnars. Medical Research Future Fund (MRFF) Consumer–Led. \$30,577.00 of \$169,061.00.

Deborah Davis, Mary-Ellen Hooper, Mary Bushell, Andrew Woodward, Ella Kurz, Vivienne Lewis, Cathy Knight-Agarwal. “Holistic healthcare needs of women with gestational diabetes mellitus (GDM) with a focus on women from diverse cultural backgrounds.” Diabetes Australia, \$70,000.00.

Successful

Multidisciplinary brain cancer rehabilitation, holistic assessment, and multimodal interventions to address survivorship needs: Brain Trial. ACT Health Research Innovation Fund, \$295,959.00. 2021-2023. Principal Investigator Professor Catherine Paterson.

What are the barriers and facilitators to interdisciplinary models of person-centred supportive care in the context of penile cancer? A mixed methods study. Australian and New Zealand Urogenital and Prostate (ANZUP). Below the Belt Research Funding, \$50,000.00. 2021-2024. Principal Investigator Professor Catherine Paterson.

Impact of the digital health record on cancer care. Competitive PhD Scholarship. Delilah Shelley. \$100,000.00. Primary Supervisor Associate Professor Kasia Bail, Secondary Supervisors Professors’ Catherine Paterson and Deborah Davis.

Optimizing person-centred care for men affected by prostate cancer. Funding for Honours Scholarships within the Prehabilitation|Activity|Cancer|Exercise|Survivorship (PACES) Research Group. Medical Grant (GA-0507), \$20,000.00. 2021-2023. Principal Investigator Professor Catherine Paterson.

What are the unmet supportive care needs of people affected by bladder cancer? Competitive PhD Scholarship. Kath Schubach. 2021. Australian and New Zealand Urogenital and Prostate (ANZUP), \$100,000.00. Primary Supervisor Professor Catherine Paterson.

Conjoint Associate Professor of Gerontological Nursing, ACT Health Directorate. Kasia Bail. \$237,000.00.

Evaluation of a multicomponent post-diagnostic support program for people living with dementia and their carers (SPICE Project). Nathan D’Cunha, Diane Gibson, Stephen Isbel, Kasia Bail. 2021. Dementia Australia, ECR Project Grant, \$75,000.00.

SenseCog aged care: Hearing and vision support to improve quality of life for people living with dementia receiving aged care services. Piers Dawes, Johanna Irene Westbrook, Ralph Nigel Martins, Angelita Martini, Lisa Jane Keay, Iracema Leroi Trinity, Colette Joy Browning, Chyrise Heine, Hamid Reza Sohrabi, Yuanyuan Gu, Kasia Bail (AI). Medical Research Future Fund (MRFF) – Dementia Ageing and Aged Care Mission, \$1.12million.

Transition to practice in aged care; Graduate Nurse. Victoria Traynor (University of Wollongong). Commonwealth Tender. \$1.2million. Karen Strickland, Laurie Grealish, Diane Gibson, Stephen Neville, Kasia Bail.

Tender for transition to practice in aged care; Graduate Nurse. Victoria Traynor (University of Wollongong). Commonwealth Tender extension, \$65,000.00 - Extension grant for 2024. Kasia Bail.

Scoping review and synthesis of evidence of the impact of policy and regulatory settings on the potential for mitigating gambling harm. ACT Gambling and Racing Commission. 2022-2024. Johns, R., Dale, N., Ordway, C., Brown, T., Fisher, C., George, A., Holland, K., McCallum, K., Roche, M. A., & Davey, R. \$230,000.00.

Understanding gambling harms in the digital age. ACT Gambling and Racing Commission. 2022-2024. Holland, K., McCallum, K., Fisher, C., Johns, R., Ordway, C., Dale, N., Brown, T., Roche, M. A., George, A., & Davey, R. \$363,060.00.

Patients admitted to ICU with a pre-existing mental health disorder. Ramsay Research Grants. 2021-2022. Pilowsky, J., Roche, M. A., Elliott, R., Stedman, W., Tinker, M., Russell, S., Whitfield, V., Barnes, C., & Wall, P. \$15095.00.

Marcia Kirwan Dublin City University et al and Kasia Bail. Addressing the economic and human cost of hospital acquired and nurse-sensitive adverse events in older patients through optimal use of routine discharge data and measurement of missed nursing care. Health Research Board Ireland, Investigator Led Projects. \$2,928.00 (of larger grant €369,612.60).

Rajjwala Maharhan, Deborah Booth, Kasia Bail. Aged Care Centre for Growth and Translational Research, Innovator Training Program, \$10,000.00.

Nathan D’Cunha, Diane Gibson, Stephen Isbel, Kasia Bail. Full PhD Scholarship. Community Homes Australia, \$90,000.00.

Nathan D’Cunha, Diane Gibson, Stephen Isbel, Kasia Bail. Nominal Group Technique study on dementia care models involving social integration. The Neighbourhood Canberra, \$12,000.00.

Nathan D’Cunha, Diane Gibson, Stephen Isbel, Kasia Bail. Story Tiling: for people living with dementia. Digital Health Cooperative Research Centre. \$25,000.00.

Deborah Davis, Angela Douglas, Mary-Ellen Hooper, Vivienne Lewis, Sarah Spiller, Zakia Patel, Alison Shield. “Active Beginnings. Increasing physical activity levels in women of childbearing age in CALD communities: A co-designed program”. ACT Health Promotion Grants Program’s Healthy Canberra Grants: Focus on Supporting Children and Families, \$149,418.00.

Cathy Knight-Agarwal, Deborah Davis, Mary-Ellen, Hooper, Woodward, Ella Kurz, Vivienne Lewis, Indira Samarawickrema, Sarah Spiller, Cristopher Nolan. “Determining the holistic maternity and healthcare needs of women from diverse cultural backgrounds with gestational diabetes mellitus”. Faculty of Health, University of Canberra, \$19,825.00.

Unsuccessful

Paterson, C., Bacon, R., Kavanagh, P., Niyonsenga, T, Toohey, K., (2021). Multidisciplinary breast cancer prehabilitation to optimise survivorship and recovery: PREHAB Trial. HCF, \$310,219.00. 2022-2024.

Martinez-Marroquin, E., Paterson, C., Ma, W. & Chetty, G. (2021). Smart Prostate Cancer Diagnostic Pathway. 2021 Frontier Health and Medical Research, \$400,626.00. 2022.

Toohey, Paterson et al. (2022). The impact of COVID-19 on quality of life, mental health, self-management, and supportive care in people affected by cancer: A mixed methods study. \$48,451.00. 2022-2023.

Mortizzavi, Paterson, et al. (2022). Benefits of a bimodal prehabilitation program for patients with muscle-invasive bladder cancer undergoing neo-adjuvant chemotherapy and radical cystectomy: A feasibility study. \$24,615.00. 2022-2023

Paterson, Davis, et al. (2022). Improving family life when a parent is diagnosed with cancer: A needs-based, family-centred holistic intervention to improve child adjustment and cancer parenting. ACT Health Grants, \$455,349.00. 2022-2024

Rattray, Paterson, Pranavan, et al. (2021). Cognitive impairment in survivors of prostate cancer: combining cognitive and physical activity for a brain fog fix. World Cancer Fund, \$59,323.17. 2022-2023.

Northey, Rattray, Paterson, et al. (2022). Concurrent physical and cognitive activity for cognitive function: A feasibility study in men treated with new-generation antiandrogens for prostate cancer. \$45,302.00. 2022-2023

George, A., Brown, T., Roche, M. A., Dale, N., Fisher, C., Holland, K., Johns, R., McCallum, K., Ordway, C., & Davey, R. (2021). Evaluation of the self-exclusion scheme in the Australian Capital Territory. ACT Gambling and Racing Commission, \$419,648.00.

PHACS: Interventions to manage work-related psychosocial hazards experienced by residential care staff: a realist review and codesign. Bail, K., Gibson, D. & Redley, B. Safe Work Australia, \$25,034.00.

Bail, K., Rothwell Gibson, J., Wallis, E. & Montayre, J. PROMPTO: PROMoting Men's ParticipaTion in the nursing woRkforce (PROMPTO): Survey. Western Sydney University, \$10,000.00.

Deborah Davis, Cathy Knight-Agarwal, Sally Muggleton, Marjorie Atchan, Dr Sally De-Vitry Smith Lynelle Boisseau, Ella Kurz, Paresh Dawda, Sarah Spiller, Cristopher Nolan. "Co-design, feasibility, cost effectiveness and acceptability of an innovative model of care for women with or at risk of gestational diabetes mellitus". ACT Health Research Innovation Fund, \$168,999.00.

13. Higher Degree by Research (HDR) Students

Supervision of research students is a central role of the SYNERGY Professors. Supporting these outstanding candidates through their PhD or Masters by Research journeys helps build the next generation of clinically oriented researchers.

Current

Scholarship Recipients

Student	Project Title	Scholarship	Academic Mentor/s
Delilah Shelley	How do cancer nurses utilise digital technology platforms to guide person focussed care?	Competitive PhD Scholarship (\$100,000.00)	Associate Professor Kasia Bail, Professor Catherine Paterson, Professor Deborah Davis
Kath Schubach	What are the unmet needs of patients affected by bladder cancer?	Competitive PhD Scholarship, Australian and New Zealand Urogenital and Prostate (ANZUP) (\$100,000.00)	Professor Catherine Paterson
Karel Williams	Experiences of patients during and after their admission to the Intensive Care Unit (ICU).	First Nations Restorative Healthcare Scholarship	Holly Northam

Part-time Students

Student	Project Title	Academic Mentor/s
Tricia O'Connor	The Conscious State of the Dying Patient.	Professor Catherine Paterson
Shalyn Rourke	The experiences of nurses and patients in the ICU environment.	Professor Catherine Paterson
Julia Haxhimolla	How does pharmacist support affect the sexual rehabilitation journeys of males diagnosed by prostate cancer post radical prostatectomy?	Professor Catherine Paterson
Kate Hain	The Transition of Care Between Emergency Department and Primary Care.	Professor Catherine Paterson
Macey Barrett	Children living with long-term conditions and their experiences of nursing care.	Professor Catherine Paterson, Associate Professor Kasia Bail

Student	Project Title	Academic Mentor/s
Van Thi Mai	What are the needs and preferences of care among people affected by mental health?: A mixed methods study.	Natasha Jojo
Sylvia Nelson Masters Research	Evidence informed generalist palliative care content for undergraduate nursing curriculum.	Professor Catherine Paterson
Peta Harbour	Chronic illness self-management behaviours of baby boomers: The role of peer influence within face-to-face social groups.	Associate Professor Kasia Bail
Nikki Johnston	Reliving trauma near death.	Jo Lewis
Shara Ranasinghe	Communication experience during cancer treatment.	Associate Professor Kasia Bail
Abin Chako	A retrospective before and after cohort study of digital Clinical Decision Support Systems (CDSS) and nurse-sensitive adverse events.	Associate Professor Kasia Bail (external)
Dorika Nhongo	Leadership and the after-hours Registered Nurse working in Residential Aged Care in the Perth Region in Western Australia.	Associate Professor Kasia Bail (external)
Caroline Hall	To explore the determinants of and behaviour change models for seasonal influenza vaccination compliance among healthcare personnel.	Holly Northam
Anita Dunn	What do bachelors qualified registered nurses identify as barriers and facilitators to engaging in online postgraduate nursing programs?	Holly Northam
Noelyn Perriman	Development of a standardised validated tool to measure maternal satisfaction in a Continuity Model of Midwifery Care.	Professor Deborah Davis, Sally Muggleton, Jan Taylor
Rebekah Bowman	The relationship between the use of raspberry leaf in pregnancy and augmentation of labour: A prospective observational study.	Professor Deborah Davis, Sally Muggleton, Jan Taylor
Helena Anolak	Social Constructions of the fetus in women's 'high-risk' pregnancies: A Post Structural Discourse Analysis.	Professor Deborah Davis, Jenny Browne
Nicola Irwin	Probiotics and children: prevalence, perceptions, and potential.	Professor Deborah Davis, Marian Currie, Jeff Fletcher
Jeannine Bradow	Australian rural and remote maternity unit closures and the impact on women and midwives.	Professor Deborah Davis, Marjorie Atchan, Sally de-Vitry Smith

Student	Project Title	Academic Mentor/s
Catherine Bell	Rethinking birth plans: Facilitating informed decision making.	Professor Deborah Davis, Sally Muggleton, Hannah Dahlen
Cynthia Delgado	Australian mental health nurses' workplace resilience and emotional labour: A mixed methods study.	Professor Michael Roche, Professor Kim Foster (external)
Bernadine Romero	The Impact of Evidence Based Sepsis Guidelines on Emergency Nursing Practice and Emergency Management.	Professor Michael Roche, Professor Margaret Fry (external)
Euan MacLeay	Person-centred care planning and review in inpatient mental health: a mixed methods study.	Professor Michael Roche, Professor Margaret Fry (external)
Claire Newman	Forensic Mental Health Nurse exposure to workplace trauma and its impact for individuals and organisations: A study of a high-security in-patient facility.	Professor Michael Roche, Professor Doug Elliott (external)
Julia Pilowsky	Establishing the Prevalence of Pre-Existing Mental Health Disorders in the Intensive Care Unit.	Professor Michael Roche, Dr Rosalind Elliott (external)
Lisa Sealey MNRes	Restrictive Practices in Child and Adolescent Mental Health.	Professor Michael Roche, Dr Suzanne Shephard-Law, Professor Marilyn Cruickshank, Professor Jane Stein-Parbury (external)
Rebecca Caulfield	The impact of patient outcome ambiguity on emergency nurses: A multi methods, exploratory study.	Rebekah Ogilvie

Completed

Many congratulations to:

Student	Project Title
Mary-Ellen Hooper	An Ethnographic Study of the New Graduate Nurse's Experience when Encountering the Culture of Acute Mental Health Services.
Jo Rothwell Gibson	Impressionist stories of leadership followership nursing relationality movement encounter and withdrawal.
Ella Kurz	Parturescence: A post qualitative inquiry into women's opportunities for transcendence and transformation through birth.
Kirsten Brown	The relationship between workplace design and the perceived health status of office workers - A Salutogenic perspective.

14. Awards

Recipient/s	Award/s
Nicky Johnston (OAM) (PhD Nursing Student) and the research team (Professor Catherine Paterson, Associate Professor Kasia Bail, Professor Christin Philips, Murray Turner, Professor Karen Strickland, Dr Michael Chapman, and Jo Gibson)	On the work “Reliving Trauma Near Death: A Systematic Review”, won the following Awards: ACT Health Directorate, Office of Professional Leadership and Education Award for the Best Nursing or Midwifery Poster Australian Association of Gerontology Award for the Best Poster Related to Ageing Health Analytics Research Collaborative Award for the Most Impactful Research Paper Canberra Health Annual Research Meeting (CHARM) Awards, 30 July 2021.
Professor Deborah Davis	Won the Excellence in Research Supervision Award. University of Canberra. 2021.
Ella Kurz (Supervised by Professor Deborah Davis)	Won the Outstanding Thesis Award. University of Canberra. 2021
The Prehabilitation Activity Cancer Exercise Survivorship (PACES) Research Group , University of Canberra (Under the senior research leadership of Professor Catherine Paterson)	Won the Outstanding Team Achievement in Research and Innovation, and the Rapid Fire Research Award. University of Canberra, Faculty of Health. 2022.

15. Conclusion

This report reflects the achievements and accomplishments of the SYNERGY Nursing and Midwifery Research Centre over the past year. With the ongoing disruption of the COVID-19 pandemic there are ongoing impacts on SYNERGY research education and other forums. Nurses and midwives have been significantly impacted professionally and personally. SYNERGY has continued to connect, support and mentor nursing and midwifery researchers to influence locally, nationally, and internationally.

Thank you to all the members of SYNERGY for their hard work and contributions, in particular Professor Deborah Davis, Professor Catherine Paterson, Professor Michael Roche, and Associate Professor Kasia Bail for their leadership.

