



Royal Brisbane and Women's Hospital

RBWH Research Report 2025

Nursing and Midwifery Services

**Metro North
Health**



**Queensland
Government**



Metro North Health acknowledges the Traditional Custodians of the Land upon which we live, work and walk, and pay our respects to Elders both past and present.

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Nursing and Midwifery Research Centre

Research highlights

This year has been another outstanding and highly productive period for the Nursing and Midwifery Research Centre (NMRC). Our team comprises the Nursing and Midwifery Director for Research (a role shared by Professor Nicole Marsh and Dr Nicole Gavin), two conjoint Professors (QUT), and four research fellows affiliated with Griffith University and QUT. As the Centre continues to grow, we remain committed to delivering rigorous, high-quality research that advances clinical practice and improves patient outcomes.

The NMRC's collective achievements this year reflect the dedication and expertise of our team. Together, we published 52 peer-reviewed papers (34 of which appeared in Q1 journals) secured 20 competitive grants (including four MRFF grants) totalling over \$5.7 million, received six awards and three fellowships, and presented our work at 22 national and six international conferences.

A standout example of the Centre's capacity to deliver clinically meaningful, patient-centred research is the STICKY Trial. Published in *Critical Care Medicine* and awarded *Best Clinical Research* at the 2025 Metro North Research Awards, this multisite randomised controlled trial demonstrated that using a medical liquid adhesive as adjunct securement for jugular central line dressings significantly reduced dressing failure and increased dressing dwell for critically ill adults (absolute risk difference -21.8%; 95% CI -36.5, -7.2%; $p = 0.005$). The study also showed a reduction in overall cost per patient by AUD\$11.02, highlighting both clinical and economic benefits for healthcare organisations.

This year also marked important progress in building research capacity within the Centre. The NMRC established Undergraduate Student in Nursing (USIN) research positions, the first department at RBWH to do so, providing students with hands-on research experience and supporting project delivery. Staff and university collaborators further benefitted from protected time to advance grant applications and manuscripts during the inaugural NMRC Writing Retreat at the Samford Ecological Facility.

Recognising the importance of knowledge translation, 2025 also saw significant growth in the NMRC's research education and training initiatives. The 'Ideas to Impact' Metro North Nursing and Midwifery Research Workshop attracted 30 Metro North Health participants and 12 university mentors, all of whom provided highly positive feedback, prompting plans for a 2026 workshop. The Metro North Nursing and Midwifery Research Showcase was similarly successful, drawing 170 nurses and midwives, with planning already underway for next year's event.

In an exciting development, the NMRC secured funding for a Nurse Researcher position to further advance the Centre's education and training agenda into 2026 and beyond. This role will strengthen the NMRC's Evidence-Based Practice program and support the coordination of future Showcases and workshops, reinforcing the vibrant research culture at RBWH.

The entire NMRC team should be immensely proud, not only of their impressive achievements this year, but also of their meaningful contributions to generating knowledge that enhances the health journeys of patients everywhere.



Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Emily Larsen	Centaur Memorial Fund for Nurses Scholarship 2025	Annual General Meeting of the Centaur Memorial Fund for Nurses
Deanne August	Metro North Health Clinician Research Fellowship Program	Griffith University and Metro North Health
Nicole Gavin	Dr Leslie Flemming Award	2025 Metro North Nursing and Midwifery Award
Deanne August , de Souza S, Walker K, Broome M, Ireland S, Rasavy M, Cambell-Yo M, Visschear M, Coyer F, Ullman A	Australian College of Neonatal Nurses Scholarship: Delphi consensus towards skin integrity and injury assessment by extremely preterm infant experts	Australian College of Neonatal Nurses
Nicole Marsh and team	Clinical Research Award Winner: Securing jugular central venous catheters with dressings fixed to a novel liquid adhesive in an Intensive Care Unit population: The STICKY Study	2025 Research Excellence Awards
Nicole Marsh	Dr Stephen Morrison Best Clinical Research Award Winner. Best submission that demonstrates the implementation of evidence-based research that improves patient and healthcare outcomes: <i>Should we implement vascular access teams? Results from a randomised controlled trial</i>	2025 Herston Health Precinct Symposium
Annabel Levido	Sir Ian McFarlane Award for best poster presentation	Prepare to Care: 2025 Metro North Nursing and Midwifery Showcase

Research Grants

Investigator Names	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Lauren Kearney, Bethan Townsend, Nicole Marsh	Grantley Stable Neonatal Unit / Nursing & Midwifery Research Centre	Queensland Birth Strategy: Development and evaluation of vaginal birth after caesarean section and epidural decision aids	Office of the Chief Midwife	\$75,000	1yr 2025-2026
Kerri Curtis, Nicole Gavin, Evan Alexandrou, Nicole Marsh, Emily Larsen	University of Wollongong / Nursing & Midwifery Research Centre	The burden of vascular access in cancer care	Cancer Nurses Society Australia (CNSA)	\$21,000	1yr 2026-2027
Jane Wickins, Nicole Marsh, Deanne August, Claire Rickard	Nursing & Midwifery Research Centre	Evaluating indwelling urinary catheter securement use and complications in adult inpatients: a mixed methods study	RBWH SERTA Research Project Grant	\$24,303	1yr 2025-2026
Nicole Marsh, Emily Larsen, Jed Duff, Samantha Keogh, Deanne August, Lauren Kearney, Joel Dulhunty, Nicole Gavin, Catherine O'Brien	Nursing & Midwifery Research Centre / Women's & Newborn Services / RBWH Research Services	A point prevalence study of invasive medical devices, usage and harm	RBWH SERTA Research Project Grant	\$14,782	1yr 2025-2026

Investigator Names	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Deanne August, Sabrina de Souza, Tricia Kleidon, Mari Takashima, Linda McLaughlin, Pieter Koorts, Fiona Coyer, Robert Ware, Amanda Ullman	Nursing & Midwifery Research Centre / Grantley Stable Neonatal Unit	The PENGUIN Trial: Peripheral Intravenous Catheter Glue in Newborns	The Australian and New Zealand Intensive Care Foundation	\$50,000	1yr 2025-2026
Natalie Bradford, Stewart Trost, Roderick Walker, Sean Tweedy, Kelly Clanchy, Jessica Hill, Simon Smith, Louisa Collins, Jed Duff, Louise Marquart-Wilson, Alexandra McCarthy, et al	Nursing & Midwifery Research Centre	APAP-YCS: A co-designed adaption of the adapted physical activity program to promote lifestyle physical activity among young cancer survivors.	Medical Research Future Fund (MRFF)	\$1,984,655	4yrs 2025-2029
Paige Little, Geoffrey Askin, Marianella Koc, Debbie Long, Jed Duff, Evonne Miller, Sarah Whitehouse, et al	Nursing & Midwifery Research Centre	Geographically equitable spinal care for remote, rural and regional children with scoliosis: Smart digital strategies linking patients and specialists	Medical Research Future Fund (MRFF)	\$551,462	2yrs 2025-2027
Margaret MacAndrew, Christina Parker, Patsy Yates, Linda Schnitker, Jed Duff, Hannah Carter, Leanne Jack, Amy Spooner, Elizabeth Beattie, et al	Nursing & Midwifery Research Centre / Queensland University of Technology	Identify, report and respond to acute deterioration (IRRAD) intervention bundle for aged care: Co-design and feasibility pilot trial	Medical Research Future Fund (MRFF)	\$960,324	2yrs 2025-2027
Amanda Corley, Nicole Marsh, Samantha Keogh, Jayesh Dhanani, Annabel Levido, Kevin Laupland, James Aubert, Dale Trevor	Nursing & Midwifery Research Centre / Intensive Care Services / Consumer Representative	Identifying harm from dialysis catheters in intensive care and setting future research priorities: a pathway to practice improvement	RBWH Foundation	\$48,719	1yr 2025-2026
Samantha Keogh, Annabel Levido, Amanda Corley, Felicity Edwards, Kevin Laupland, Dale Trevor	Nursing & Midwifery Research Centre / Intensive Care Services / Consumer Representative	Quantifying avoidable harm from arterial catheters in intensive care: a pathway to practice improvement	Metro North Health Swift Grant	\$24,951	1yr 2025-2026

Investigator Names	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Grace Xu, Anthony Nguyen, Jed Duff	Nursing & Midwifery Research Centre / Commonwealth Scientific & Industrial Research Organisation	Can a dynamic machine learning clinical decision tool accurately predict the need for peripheral intravenous catheters in emergency catheter insertion decision engine (DECIDE)	Emergency Medicine Foundation	\$125,000	2yrs 2025-2027
Scott Schofield, Jed Duff	Sunshine Coast University / Nursing & Midwifery Research Centre	ChildSAFE – Understanding clinician and consumer priorities for implementing a co-designed, evidence-based digital child safety screening tool	Emergency Medicine Foundation	\$38,971	1yr 2025-2026
Nicole Gavin, Nicole Marsh	Nursing & Midwifery Research Centre	Capacity building within the Nursing and Midwifery Research Centre	Royal Brisbane and Women's Study, Education and Research Trust Account (SERTA)	\$349,906	3yrs 2025-2028
Nicole Marsh, Amanda Corley, Samantha Keogh, Robert Ware	Nursing & Midwifery Research Centre / Griffith University	A pilot randomized controlled trial to improve first-time insertion success with reliable sharp (short bevel) catheters (FIRST Trial)	Terumo Grant (investigator initiated)	\$99,807	2yrs 2025-2027
Andrea Taylor, Jed Duff, Nicole Marsh, Alison Craswell, Kaylene Woollett	Nursing & Midwifery Research Centre / Surgical & Perioperative Services, RBWH / University of the Sunshine Coast	Optimising nurse-led perioperative care for older adults in Australia (OPaL)	RBWH Foundation Grant	\$5,100	1yr 2025-2026
Kim Alexander, Jed Duff, Patsy Yates, Steven McPhail, Wendy Liu, Morgan Farley, Michael Smith, Julie McGaughan, Makala Castelli, Brigid Scanlon et al	Nursing & Midwifery Research Centre / Queensland University of Technology / University of Melbourne	Accelerating universal access to genomics by enabling Australia's largest healthcare workforce: a cancer nursing led co-designed pilot of The Nursing Compendium for Genomic-Informed Care (NGenCare)	Medical Research Future Funds	\$984,738	3yrs 2025-2028
Colette Wembenyui, Ann Bonner, Nicole Marsh, Emily Larsen, Clemente Sousa, Jeanette Finderup	Nursing & Midwifery Research Centre / Dialysis Unit, RBWH / Griffith University	Knowledge and self-management of haemodialysis vascular access by adults with kidney failure	B.Braun Foundation	\$68,062	1hr 2025-2026
Roni Cole, Sabrina de Souza, Aruem Hyun, Deanne August, Fiona Bogossian, Samuel Phillips, Katharina Merollini, Robert Ware, Amanda Ullman, et al	Sunshine Coast University Hospital / Griffith University / University of Queensland / Nursing & Midwifery Research Centre / Queensland Children's Hospital	PENGUIN trial: Peripheral intravenous catheter glue in newborns: An effectiveness trial comparing tissue adhesive and standard are dressing	SERTF-Wishlist 2025 Collaborative Research Grants	\$150,000	3yrs 2025-2028

Investigator Names	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Deanne August, TB O'Neill, C Baker, Stephanie Hall, X Wand, Mari Takashima, Janene Douglas, S Evans, K Whits, Y Kandasamy, Nicole Marsh	Nursing & Midwifery Research Centre / Grantley Stable Neonatal Unit, RBWH	Plastic chemical exposure from medical devices in neonates: A feasibility study of clinical contract and chemical burden	SERTA (Study, Education and Research Trust Account) RBWH Research Project Grant	\$49,853	1yr 2025-2026
Andrew Staib, CJ Cabilan, Katia Nones, Emily Cooper, Jed Duff, Grace Xu	Occupational Violence Prevention Management, RBWH / Emergency Department, RBWH / Nursing & Midwifery Research Centre	Effectiveness of immersive virtual reality (IVADE) in enhancing verbal de-escalation skills of emergency department staff: a mixed methods study	Emergency Medicine Foundation	\$99,016	2yrs 2025-2027
Samantha Keogh, Annabel Levido, Mahesh Ramanan, Kevin Laupland, Sebastiaan Blank, Felicity Edwards, Amanda Corley	Nursing & Midwifery Research Centre / Queensland University of Technology	Evaluating dressing and securement for arterial catheters in intensive care: prospective target trial emulation	RBWH SERTA Research Project Grant	\$24,788	2yrs 2025-2027

RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Jane Wickins	Nicole Marsh , Claire Rickard	Evaluating indwelling urinary catheter securement use and complications in adult inpatients: a mixed methods study		330
Nicole Marsh	Emily Larsen, Jed Duff, Samantha Keogh, Deanne August, Lauren Kearney, Joel Dulhunty, Nicole Gavin, Catherine O'Brien	A point prevalence study of invasive medical devices, usage and harm		601
Deanne August	Sabrina de Souza, Tricia Kleidon, Mari Takashima, Linda McLaughlin, Melissa Ikitoelagi, Pieter Koorts, Fiona Coyer, Robert Ware, Amanda Ullman	The PENGUIN Trial: Peripheral Intravenous Catheter Glue in Newborns	Consumer-Led	7
Amanda Corley	Nicole Marsh, Samantha Keogh , Jayesh Dhanani, Annabel Levido , Kevin Laupland, James Aubert, Dale Trevor	Identifying harm from dialysis catheters in intensive care and setting future research priorities: a pathway to practice improvement	Consumer-Led	
Samantha Keogh	Annabel Levido, Amanda Corley , Felicity Edwards, Kevin Laupland, Dale Trevor	Quantifying avoidable harm from arterial catheters in intensive care: a pathway to practice improvement	Consumer-Led	

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Grace Xu	Anthony Nguyen, Jed Duff	Can a dynamic machine learning clinical decision tool accurately predict the need for peripheral intravenous catheters in emergency catheter insertion decision engine (DECIDE)		
Nicole Gavin,	Nicole Marsh	Capacity building within the Nursing and Midwifery Research Centre		0
Nicole Marsh,	Amanda Corley, Samantha Keogh , Robert Ware	A pilot randomized controlled trial to improve first-time insertion success with reliable sharp (short bevel) catheters (FIRST Trial)		58
Samantha Keogh	Annabel Levido , Mahesh Ramanan, Kevin Laupland, Sebastiaan Blank, Felicity Edwards, Amanda Corley	Evaluating dressing and securement for arterial catheters in intensive care: prospective target trial emulation		
Jed Duff,	Michael Chataway, Grace Xu, Lita Olsson, Jo Griffiths	The Queensland Ambassador Program: Preventing Occupational Violence in Healthcare Settings		
Catherine O'Brien	Nicole Marsh	Midline catheter optimal tip placement		0
Amanda Corley	Fiona Coyer, Samantha Keogh , Melissa Bloomer	Haemodialysis catheters in the intensive care unit: reducing patient harm through optimising bedside maintenance practices		
Grace Xu	Jed Duff, Samantha Keogh, Kevin Chu, Nathan Brown	Co-designed strategies to enhance patient participation in their peripheral intravenous catheter care in Emergency Department: an implementation trial (CARE-ED)	Consumer-Led	
Grace Xu	Jed Duff, Samantha Keogh	Patient PARTICipatioN in periphERal intravenous catheter (PIVC) care in the emergency department (PARTNER)		
Grace Xu	Jed Duff, Samantha Keogh, Kevin Chu, Nathan Brown , Vicki Binnie	Co-design of an implementation toolkit to enhance patient participation in their peripheral intravenous catheter care in the Emergency Department		
Grace Xu	Nicole Marsh, Jed Duff , Peter Del Mar, Robert Ware, Nathan Brown, Catherine O'Brien , Paul Mariano	Does a vascular access specialist model in the Emergency Department (VAS-ED) improve peripheral intravenous catheter outcomes? A randomised controlled trial		320
Amanda Corley	Nicole Marsh, Emily Larsen, Annabel Levido	Invasive medical device utility and harm: a point prevalence study		601
Samantha Keogh	Mahesh Pamanan, Kevin Laupland, Felicity Edwards, Annabel Levido , Dale Trevor	Partnering with consumers and clinicians to establish research priorities for intensive care.		
Jed Duff	Debbie Long, Cory Williams	DHCRC: Improving patient experiences and outcomes from elective surgery in Australia: an investigation into perioperative patient health literacy, learning preference and knowledge needs		
Jed Duff	Keogh S, Pearse B, Ramanan M	Barriers and facilitators to blood conservation practice in intensive care	Consumer-Led	pending

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Grace Xu	Griffin B, Pennuto C, Addae H.	CO-design and impLement of Virtual Reality goggles to reduce procedure-related anxiety in emergency department (COOL -VR)		
Jed Duff	Nina Meloncelli, Louise Purtell, Champika Pattullo, David Rosengren, Ashley Cameron, Rhiannon Barnes, Sarah Black, Luke Wainwright, Louise Dallura, Sharon Hobdy	Evaluating the Helix4 Implementation Practice Capacity Building Program		
Amanda Corley	Bloomer M, Fiona Coyer, Samantha Keogh , Jaesh Dhanani , Rebecca Rashleigh-Rolls, Marshall A, Nicole Marsh	Haemodialysis catheters in the intensive care: a national survey of critical care nurses' bedside maintenance practices.	Consultation	
Amanda Corley	Bloomer M, Samantha Keogh, Kevin Laupland, Jaesh Dhanani, Rebecca Rashleigh-Rolls, Nicole Marsh	Haemodialysis catheters in the ICU: a prospective point prevalence study of catheter care and complications		
Nicole Marsh	Amanda Corley, Emily Larsen, Amanda Ullman, Catherine O'Brien, Gillian Ray-Barruel	Binational survey of vascular access device insertion and management teams		N/A
Samantha Keogh	Annabel Levido, Kevin Laupland, Felicity Edwards	Appropriate use criteria for peripheral arterial catheters in acute and critical care (The PACE Study)	Consumer-Led	N/A
Jed Duff	Michael Chataway, Andy Carter	Testing a novel approach for monitoring the incidence, fear and perceived risk of occupational violence among healthcare workers		
Emily Larsen	Joshua Byrnes, Claire Rickard, Vineet Chopra, Amanda Ullman, Nicole Marsh , Doreen Tapsall, Raymond Chan, Amanda Corley , Nicole Gavin, Brigid Scanlon, Sue Schoonbeek, Mary fenn	Measuring quality of life and experience for central venous access devices in cancer care: Developing and preliminary testing of patient reported outcome and experience measures. (CVAD PROM/PREM)		
Grace Xu	Amanda Ullman , Claire Rickard, Browyn Griffin, Edward Pink	Adherence to the peripheral intravenous catheter (PIVC) GUIDeline for promoting evidence-based PIVC insertion and management in the Emergency Department (GUIDE-ED)		

Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Lauren Kearney	Bethan Townsend, Nicole Marsh	Queensland Birth Strategy: Development and evaluation of vaginal birth after caesarean section and epidural decision aids		

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Kerri Curtis	Nicole Gavin , Evan Alexandrou, Nicole Marsh , Emily Larsen	The burden of vascular access in cancer care		
Natalie Bradford	Stewart Trost, Roderick Walker, Sean Tweedy, Kelly Clanchy, Jessica Hill, Simon Smith, Louisa Collins, Jed Duff , Louise Marquart-Wilson, Alexandra McCarthy, et al	APAP-YCS: A co-designed adaption of the adapted physical activity program to promote lifestyle physical activity among young cancer survivors.		
Paige Little	Geoffrey Askin, Marianella Koc, Debbie Long, Jed Duff , Evonne Miller, Sarah Whitehouse, et al	Geographically equitable spinal care for remote, rural and regional children with scoliosis: Smart digital strategies linking patients and specialists		
Margaret MacAndrew	Christina Parker, Patsy Yates, Linda Schnitker, Jed Duff , Hannah Carter, Leanne Jack, Amy Spooner, Elizabeth Beattie, et al	Identify, report and respond to acute deterioration (IRRAD) intervention bundle for aged care homes: Co-design and feasibility pilot trial		
Scott Schofield	Jed Duff	ChildSAFE – Understanding clinician and consumer priorities for implementing a co-designed, evidence-based digital child safety screening tool		
Andrea Taylor	Jed Duff , Nicole Marsh , Alison Craswell, Kaylene Woollett	Optimising nurse-led perioperative care for older adults in Australia (OPaL)		
Kim Alexander	Jed Duff , Patsy Yates, Steven McPhail, Wendy Liu, Morgan Farley, Michael Smith, Julie McGaughran, Makala Castelli, Brigid Scanlon et al	Accelerating universal access to genomics by enabling Australia's largest healthcare workforce: a cancer nursing led co-designed pilot of The Nursing Compendium for Genomic-Informed Care (NGenCare)		
Colette Wembenyui	Ann Bonner, Nicole Marsh , Emily Larsen , Clemente Sousa, Jeanette FINDERUP	Knowledge and self-management of haemodialysis vascular access by adults with kidney failure		
Roni Cole	Sabrina de Souza, Aruem Hyun, Deanne August , Fiona Bogossian, Samuel Phillips, Katharina Merollini, Robert Ware, Amanda Ullman, et al	PENGUIN trial: Peripheral intravenous catheter glue in newborns: An effectiveness trial comparing tissue adhesive and standard adhesive dressing		
Deanne August	TB O'Neill, C Baker, Stephanie Hall, X Wand, Mari Takashima, Janene Douglas, S Evans, K Whits, Y Kandasamy, Nicole Marsh	Plastic chemical exposure from medical devices in neonates: A feasibility study of clinical contract and chemical burden		
Andrew Staib	CJ Cabilan, Katia Nones, Emily Cooper, Jed Duff , Grace Xu	Effectiveness of immersive virtual reality (IVADE) in enhancing verbal de-escalation skills of emergency department staff: a mixed methods study		
Alison Craswell,	Jeffrey Anderson, Naomi Howell, Nicole Marsh , Catherine O'Brien	Clinical effectiveness of selection and insertion by a vascular access specialist in a regional setting: a randomised controlled trial and feasibility study		

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Karen Davies	Nicola Harper, Samantha Keogh, Peter Donovan, Jed Duff, Natasha Roberts, Melanie Duncan, Dale Trevor	Digital evaluation and implementation of the medication administration evaluation and feedback tool (MAEFT) at STARTS		
Tricia Kleidon,	Amanda Ullman, Nicole Marsh	Supplemental tackifier to intravenous catheter dressings to keep intact year-round in kids (the STICKY Kids trial)		
Amanda Ullman	Nicole Marsh , Martha Curley, Fiona Coyer , Mark Davies , Samantha Keogh , Lauren Kearney , Craig McBride , Tricia Kleidon, Deanne August , Mari Takashima, Grace Xu , Roni Cole , Robert Ware, Joshua Byrnes	Building capacity to prevent healthcare harm for hospitalised infants: A type 1 hybrid randomized controlled trial: Preventing infusate injuries throughout a child's hospitalisation (PATCH): A Type 1 Hybrid Randomised Controlled Trial		98
Penny Vera Heidke	Jed Duff , Judy Munday, Samantha Keogh	Implementing perioperative hypothermia guidelines for orthopaedic patients		
Fiona Coyer	Paul Fullbrook, Samantha Keogh , Jed Duff , D Long, Amanda Ullman, Michelle Barakat-Johnson, Deanne August , L Jones, Hannah Carter	Eliminating harm from devices across the life span in critical illness: The DEFENCE Study	Consumer-Led	
Lauren Kearney	Victoria Eley, Christopher Lehner, Susan de Jersey, Deanne August , John Thompson, Bec Jenkinson, Rachael Nugent, Jean Spinks, Nicole Marsh , Nigel Lee, Amanda Ullman	Fluids in labour: Ensuring maternal euvolaemia (FLUME Study)		
Oya Gumuskaya	Jed Duff , Mitchell Sarkies, Brett Mitchell, Sarah Aitken, Rosemary Carroll, Gerald Wong, Nicole Phillips, Cate Hill	Tran_S Rapid: A bundled approach to minimise preoperative fasting, and improve postoperative mobilisation in adults undergoing orthopaedic, vascular and urological elective and emergency surgeries: Implementation Research		
Rik Thompson	Andrew Redfern, Simone Birch, Ian Bennett, Kate Roberts, Kaylene Simpson, Leonie Young, Samantha Keogh	Targeting therapy resistance through epithelial mesenchymal plasticity in patient-derived organoids from pre-neoadjuvant chemotherapy biopsies		
Judith Munday	Jed Duff , Fiona Wood, David Sturgess, Samantha Keogh , Nicholas Ralph, Nicole White, Hannah Carter, Ian Graham, Margherita Murgo, Nicholas Fernandes, Kerstin Wyssusek, Bipphy Kath, Ruth Melville, Allison Kearney, Mary-Anne Ramis, Kate Kynoch, Christine Woods	The PeriWarm Trial: Transforming perioperative temperature management for better patient outcomes		

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Consumer involvement	Number of RBWH Patients Recruited
Claire Rickard	Amanda Ullman, Nicole Marsh , Tricia Kleidon, Jessica Schults, Rebecca Paterson, Eugene Slaughter, Joshua Byrnes, Katie McFadden, Robert Ware, Emily Monteagle, Lisa Hall, Allison Craswell, Louise Cullen, Amanda Corley , Catriona Booker, Stephanie Hadikusumo, Krispin Hajkowicz, Fiona McFarlane, Steven McTaggart, Ben Ballard, Greg Merlo, Frances Williamson, Andy Carter	Difficult access requires thought, training and technology (DART3): Co-developing an ultrasound pathway for patients with difficult intravenous access. An implementation study to enhance peripheral intravenous catheter insertion success and reduce insertion-related complications		
Cory Williams	Judy Munday Jed Duff	The co-design and evaluation and an e-health app to improve the perioperative patient journey and facilitate integrated care: a pilot randomised control trial		
Nicole Lehtonen	Urszula Dolecka, Elise Gane, Ian Scott, Grace Xu , Carly Gomura, Fiona Trad, Emma Kennedy, Kellie McCarthy	Using co-design to enhance multidisciplinary teamwork and workload efficiency in the internal medicine unit		
Amanda Ullman,	Nicole Marsh , Andrew Bulmer, Naomi Runnegar, Tricia Kleidon, Paul Lee-Archer, Benjamin Pearch, Deanne August , Cathy Biles, Joshua Byrnes, Vineet Chopra, Alan Coulthard, Rob Ware, Claire Rickard, Marianne Wallis, Peter Mollee	Peripherally inserted central catheter innovation to reduce infections and clots: the PICNIC trial		
Evan Alexandrou	Nicole Marsh , Amanda Ullman, Steve Frost, Peter Carr, Nicholas Mifflin, Craig McManus, Emily Larsen , Amanda Corley , Catherine O'Brien , David Wyld , Cameron Curley , Joshua Byrnes, India Pearse	Promoting haemostasis for central venous access devices: a randomised controlled trial (PRESS Trial)		80

Research Activity with a Specific Focus on Aboriginal and Torres Strait Islander Peoples

Lead Investigator Name (RBWH staff and consumers in bold)	Other Study Investigators (RBWH staff and consumers in bold)	Research Project Title	Number of RBWH Patients Recruited
Katherine White	Aunty Janet Dunn, Khaliyah Nagas, Stephanie Hall , Linda Cobbald, Margaret (Meg) McLean, Deanne August , Kate Thompson	Welcoming Beds for Babies	1

Research Publications

Authors

Investigator	ORCID ID
Samantha Keogh	https://orcid.org/0000-0002-2797-4388
Jed Duff	https://orcid.org/0000-0003-1427-0303
Amanda Corley	https://orcid.org/0000-0002-4250-4077
Emily Larsen	https://orcid.org/0000-0001-6272-8484
Grace Xu	https://orcid.org/0000-0002-3421-4176
Annabel Levido	https://orcid.org/0009-0003-9613-9655
Catherine O'Brien	https://orcid.org/0009-0000-2131-3004
Deanne August	https://orcid.org/0000-0002-7204-7065
Nicole Gavin	https://orcid.org/0000-0002-0828-9852
Nicole Marsh	https://orcid.org/0000-0002-5779-1304
India Pearse	https://orcid.org/0000-0002-9358-8354

Publications in 2025

Journal Articles (RBWH staff or consumers in bold)

Keogh S, Larsen E, Corley A, Takashima M, **Marsh N**, Edward M, et al. Arterial catheter outcomes in intensive care: an analysis of 1117 patients. Infectious Disease and Health. 2025. <https://doi.org/10.1016/j.idh.2024.07.006>

Xu G, Campbell J, Takashima M, **Larsen E**, Coyer F, **August D**, ..., **Marsh N**, et al. Development of a central venous access device associated skin impairment classification tool: A modified Delphi study. Journal of Advanced Nursing. 2025; 81(2): 1095-1112. <https://doi.org/10.1111/jan.16416>

Hall S, **Larsen E, Cobbald L, Marsh N**, McLaughlin L,, **August D**. Clinical characteristics of hospitalised neonates and devices: a case series of recurrent reinsertion. Nursing in Critical Care. 2025. <https://doi.org/10.1111/nicc.13232>

Wembenyui C, **Marsh N, Larsen E**, Bonner A. Educational or behavioural interventions to improve long-term haemodialysis vascular access self-management: A systematic review. Journal of Clinical Nursing. 2025. <https://doi.org/10.1111/jorc.70005>

Ullman A, **August D**, Kleidon TM, Walker RA, **Marsh N**, Bulmer AC, et al. A comparison of peripherally inserted central catheter materials. New England Journal of Medicine. 2025. <https://doi.org/10.1056/NEJMoa2406815>

Williams S, **Keogh S**, Herd D, Riggall S, Glass R, Slaughter E, et al. The kids pain collaborative: A hybrid type 3 implementation effectiveness study transforming paediatric pain care in the Emergency Department. 2025. Journal of Advanced Nursing. <https://doi.org/10.1111/jan.16741>

Keogh S, Marshall A. Article-based publishing: bring research to clinicians. 2025. Australian Critical Care. <https://doi.org/10.1016/j.aucc.2024.06.001>

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Ball D, Ray-Barruel G, Hewer B, Hawley G, Kearney L, **Marsh N**, et al. Peripheral intravenous access training for undergraduate dual degree nursing and midwifery students: a qualitative study. Australian Journal of Advanced Nursing. <https://doi.org/10.37464/2025.424.2182>

Keynote or Plenary Lectures given in 2025

Date	Title
6-7 March 2025	Patel B, Goodrich A, Padbury R, Duff J . Panel Discussion: Health Services Research. Surgical and Perioperative Innovation Collaborative: Australasia Conference, Brisbane, Australia
6-7 March 2025	Duff J , Abell B. Implementation Science Workshop. Surgical and Perioperative Innovation Collaborative: Australasia Conference, Brisbane, Australia
9-11 April 2025	Nielson A, Keogh S . Mobilisation overview in a quaternary intensive care unit: A cross sectional descriptive survey. ANZICS/ACCCN ICU ASM 2025 Christchurch, NZ.
9-11 April 2025	Corley A . Chair: Advancing the evidence: New findings in clinical research. ANZICS/ACCCN ICU ASM 2025 Christchurch, NZ.
9-11 April 2025	Levido A, Keogh S . The conceptualisation of wellbeing as defined by ICU nurses: An interpretive qualitative analysis. ANZICS/ACCCN ICU ASM 2025 Christchurch, NZ.
9-11 April 2025	Keogh S . The prevalence and utilisation of arterial catheters in adult intensive care unit patients: An Australian and New Zealand point prevalence study. ANZICS/ACCCN ICU ASM 2025 Christchurch, NZ.
5-6 June 2025	August D . Skin Function and Structure. Babies by the Beach Conference, Surfers Paradise, Gold Coast, Australia
5-6 June 2025	August D , Chapple L, De Souza S, Larsen E , Murphy L, Bodley A, Dunk AM. On the coach with the experts talking MARSII, CASI, mechanical force injury and more. Babies by the Beach Conference, Surfers Paradise, Gold Coast, Australia
5-6 June 2025	Larsen E . What is a CASI? Babies by the Beach Conference, Surfers Paradise, Gold Coast, Australia
5-6 June 2025	August D , De Souza S. Emerging evidence for ELBW skin care – the global collaborative. Babies by the Beach Conference, Surfers Paradise, Gold Coast, Australia
15-22 June 2025	Keogh S . Infusion Therapy Workshops x 6: Guidelines for the prevention of bloodstream infections and other infections associated with the use of intravascular catheters. BD China Roadshow. Shanghai, Jiangsu, Nanjing, Hubei, Chongqing, Shandong.
20-22 July 2025	Keogh S . Chair of Critical Care Session. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Keogh S . PICC insights. A think-aloud study of dressing and securement practice for peripherally inserted central catheters. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Marsh N . What is the ideal catheter vein ratio for peripheral intravenous catheters? Results from a prospective cohort study. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Corley A . Non tunnelled dialysis catheter failure and complications in intensive care: a systematic review and meta-analysis. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Xu G . Using virtual reality as an innovative intervention for needle phobia in Emergency Department settings: a pilot randomised controlled trial. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Xu G . Long guidewire catheter for difficult venous access in Emergency Department: a randomised control trial. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Corley A . Post insertion practices for non-tunnelled haemodialysis catheters in the intensive care unit: an Australia wide cross-sectional survey. AVAS Scientific Meeting. Wollongong, NSW, Australia

20-22 July 2025	Marsh N. Chair: Sustainability and simulation in vascular access. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Marsh N. Should we implement vascular access teams? Results from a randomised controlled trial. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	Larsen E. Chair: Cancers Panel. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	August D. Umbilical venous catheter and peripherally inserted central catheter malposition and tip migration in neonates: and economic model. AVAS Scientific Meeting. Wollongong, NSW, Australia
20-22 July 2025	August D. PICCing the best PICC: lessons and insights from a multicentre trial and qualitative study. AVAS Scientific Meeting. Wollongong, NSW, Australia
1-3 Sept 2025	Wickins J. Indwelling urinary catheter securement knowledge, beliefs, and clinical practices: a national online survey of Australian multidisciplinary clinicians. 2025 Herston Health Precinct Symposium, Brisbane, Australia
1-3 Sept 2025	Marsh N. Should we implement vascular access teams? Results from a randomized controlled trial. 2025 Herston Health Precinct Symposium, Brisbane, Australia
1-3 Sept 2025	August D. Optimal skin care for the smallest and sickest patients with innovations and key stakeholder insights. 2025 Herston Health Precinct Symposium, Brisbane, Australia
1-3 Sept 2025	Duff J. Putting a spotlight on pragmatism in implementation trials. 2025 Herston Health Precinct Symposium, Brisbane, Australia
19 November 2025	Marsh N. The STICKY Solution: Preventing dressing disruption in central line care. Association Vascular Access (AVA) Webinar, USA



Nursing & Midwifery Research Centre Writing Retreat