

NURSING & MIDWIFERY SERVICES



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Kerri McLeod
Director
 Nursing and Midwifery Services
 MNHHS

Nursing and Midwifery Services continues to deliver exceptional research outputs, contributing to the expansion and improvement of evidence-based and internationally recognised quality clinical care. Our success over the last 12 months is evident in our high number of peer-reviewed publications, successful grant funding, and international representation at Nursing and Midwifery and other health-care conferences.

Our ongoing and successful collaborations with our university and industry partners have led to a number of successful research projects including a 2019 National Health and Medical Research Council Partnership Grant (\$1,497,197.00), exploring the implementation of ultrasound guided procedures for patients with difficult peripheral intravenous access. This large project was built on the foundations of clinical research conducted here at the RBWH, under the leadership of Professor Joan Webster and Dr Nicole Marsh.

This year has seen several changes including the appointment of the new Nursing and Midwifery Director of Research, Dr Nicole Marsh. Nicole's program of research centres on improving patients' outcomes associated with Vascular Access devices. Nicole has been a significant contributor to high quality research outcomes at the RBWH over the last decade and we are pleased to welcome her into this position. 2019 has also seen the

departure of (RBWH/QUT joint appointment) Professor Theresa Green, who will be taking up a key role in the new STARS facility, from 2020. We would like to extend our thanks for her impact on nursing and midwifery research since 2016 and look forward to collaborating with her in the future. We continue to work with our university partners to establish more co-joint and professorial appointments. With *Sustainability* and embedded *Research Culture* as the focus of our research endeavours, we are continually creating opportunities for nurses and midwives to participate in research activities. This includes our Evidence Based Practice Program, research staffing opportunities, and support to actively share their research results locally at the RBWH Symposium and Nursing and Midwifery Research Ground rounds, as well as internationally at health forums. These activities have, in turn, resulted in the integration of RBWH-based research results into international guidelines and clinical practice; an excellent achievement from our nurses and midwives.

Our researchers should be very proud of their efforts for 2019. 2020 – Year of the Nurse and Midwife will certainly give Nursing and Midwifery a great platform to build on our successes. I look forward to what 2020 holds for the expansion and translation into practice of our Nursing and Midwifery Research.



Back row (L-R): Natasha Perry (*Clinical Nurse, Cancer Care Services*), Emily Larsen (*Research Fellow, Vascular Access, Griffith University*), Dr Nicole Gavin (*Nurse Researcher, Cancer Care Services*), Deanne August (*Clinical Trial Coordinator*), Prof Theresa Green (*Professor of Nursing, Neurology*), Sharon Ireland (*Administration Officer*)
Front row (L-R): (*Professor of Nursing, Critical Care Services*), Veronica Percival (*RN, Oncology Day Therapy Unit*)

NURSING & MIDWIFERY RESEARCH CENTRE

Over the last 12 months the Nursing and Midwifery Research Centre has continued to focus on conducting high quality research to improve clinical practice and ensure evidence-based practice. We have achieved this through departmental and collaborative research projects, extending across a wide range of clinical units from Intensive Care and Neurosciences, to Neonatology and Cancer Care. We currently have 40 active research studies, four funded by NHMRC grants [the PISCES Trial, evaluating various central line dressings and devices to prevent catheter failure; the PICNIC Trial, comparing two novel peripherally inserted central catheter technologies with standard care (older generation polyurethane catheters); the DRESSING trial, evaluating the effectiveness of negative pressure wound therapy on clean surgical wounds to prevent surgical site infection] and the DIVA trial looking at sustainable implementation of ultrasound guided procedures for patients with difficult peripheral intravenous access; and a NSW Health, Translational Research Project Grant for the implementation of best available evidence into practice for incontinence-associated dermatitis.

2019 was another successful year for the centre, with 31 peer reviewed publications, \$3,152,067 in competitive grant funding awarded and 15 invited conference presentations. Our team was recognised for high-quality research outcomes by our peers with awards such as *Health Service* and *Implementation Research Award* for our Nursing and Midwifery Vascular Access Research Team lead by Dr Nicole Marsh and the *Chief Executive Award* presented to Professor Joan Webster at the Metro North 2019 Research Excellence Awards. Professor Theresa Green was recognised for her important stroke research at the *2018 World Stroke Congress* in Montreal; and Professor Fiona Coyer was an invited expert to an international consensus panel on medical device-related pressure injuries and an invited member of a small working group in the development of the Pressure Ulcer/ Injury Prevent and Treatment: Clinical Practice Guidelines, culminating in the 2019 Intervention Prevention and Treatment of Pressure Ulcers/Injuries conference in Los Angeles.

Our continued focus on developing research skills amongst nurses and midwives is evident in our ongoing successful Evidence-Based Practice Program, Mentorship Program, Nursing and Midwifery Research Grand Rounds and 21 higher degree students supported through supervision.

Supervised Post-Graduate Research Students

Name <i>(RBWH staff in bold)</i>	Current Studies <i>(e.g. PhD, Masters etc.)</i> University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Sonia Hines	PhD, Qld University of Technology	An educational intervention to improve nurses' research literacy	Prof Joanne Ramsbotham, Prof Fiona Coyer
Lizanne Dagleish	PhD, Qld University of Technology <i>(2018-2020)</i>	The role of microcirculatory dysfunction and skin breakdown in the critically ill	Prof Fiona Coyer, Dr Jill Campbell, Dr Kathy Finlayson, Prof Andre VanZundert
Adrianna Hada	PhD, Qld University of Technology <i>(2017-2021)</i>	Transforming patient outcomes through improved and effective nursing clinical handover	Prof Fiona Coyer, Dr Leanne Jack
Paul Jarrett	PhD, Qld University of Technology <i>(2017-2021)</i>	Administration of antibiotics in the intensive care unit	Prof Fiona Coyer, Prof Sam Keogh, Prof Jason Roberts
Anthony Batterbury	PhD, Qld University of Technology <i>(2018-2021)</i>	How sick is too sick and how heavy too heavy? A mixed method study to understand clinical acuity and dependence to define thresholds for escalation or resource mobilisation	Prof Fiona Coyer, Assoc. Prof Clint Douglas
Hannah Rheault	Doctor Health Science, Qld University of Technology <i>(2014-2020)</i>	Examining the health literacy and chronic disease self-management of remote Aboriginal Australians: A mixed method study	Prof Ann Bonner, Prof Fiona Coyer

Supervised Post-Graduate Research Students (cont)

Name <i>(RBWH staff in bold)</i>	Current Studies <i>(e.g. PhD, Masters etc.)</i> University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Leanne Stone	Doctor Health Science, Qld University of Technology (2014-2020)	Comparing “Magnet” attributes in nursing between Australia and the United States	Prof Fiona Coyer, Prof Ray Chan, Prof Alexandra McCarthy
Bryan Gregory	PhD, Qld University of Technology (2018-2022)	The effects of continuous renal replacement therapy and sustained low-efficiency dialysis on immunosuppressive drug levels in critically ill patients with acute kidney injury	Prof Fiona Coyer, Prof Jason Roberts, Prof Ann Bonner
Jessica Ingleman	PhD, Qld University of Technology (2019-2022)	Exploring tissue reperfusion in two body positions and varied load periods in critically ill patients (EXTREME 2 pressure study)	Prof Fiona Coyer, Dr Christina Parker
David McIntyre	PhD, Qld University of Technology (2016-2021)	Developing and validating haemodialysis nurse-sensitive indicators	Prof Ann Bonner, Prof Fiona Coyer
Tain Lloyd	Masters of Applied Science (Research), Qld University of Technology	Investigation of Chronic Kidney Disease and Stroke Development	Prof Ann Bonner, Prof Theresa Green, Dr Louise Purcell
Eric Tanlaka	PhD, University of Calgary	The impact of wait times on outcomes of stroke rehabilitation	Prof Kathryn King-Shier, Prof Theresa Green
Cheryl Blaber	Masters of Applied Science (Research), Qld University of Technology (2018 – articulated to PhD in 2019)	The assessment and management of pain and suffering in persons with cognitive impairment approaching the end of life as inpatients within an acute tertiary facility	Prof Theresa Green, Dr John Rosenburg, Dr Jenny Fox
Pauline Nicholas	Masters of Applied Science (Research), Qld University of Technology	Using brain training to improve cognition of patients on dialysis	Prof Ann Bonner, Prof Theresa Green, Dr Louise Purcell
Lan Van Huong	Doctor of Philosophy	Exploring of family support for people receiving haemodialysis therapy in Vietnam	Prof Ann Bonner, Prof Theresa Green
Amanda McKie	MPhil, Qld University of Technology	Sexual dysfunction in patients with CKD	Prof Ann Bonner, Prof Theresa Green
Sita Sharma	PhD, Qld University of Technology	Development and testing an educational intervention to reduce symptoms burden and improve quality of life in people with chronic kidney disease in Nepal	Prof Ann Bonner, Prof Theresa Green
India Lye	Masters of Applied Science (Research), Griffith University 2019	Vascular access device associated infections in intensive care units across Australia	Dr Nicole Marsh, Prof Claire Rickard, Amanda Corley
Maja Olsson	PhD, Qld University of Technology	End-of-life Conversations in Palliative Care	John Rosenberg, Jason Mills, Prof Theresa Green
Emily Larsen	PhD, Griffith University 2019-2021	PREMs and PROMs for Peripheral IVs	Prof Claire Rickard, Dr Nicole Marsh, A/Prof Joshua Byrnes
Amanda Corley	PhD, Griffith University 2018-2020	The use of a securement bundle to prevent intravenous catheter failure	Prof Claire Rickard, Assoc. Prof Amanda Ullman, Dr Nicole Marsh

RBWH Research Staff with research roles, positions or appointments: e.g. Coordinators, Fellow, Adjunct and Honorary appointments

Name <i>(RBWH Staff in bold)</i>	Type of Position	FTE	Funding Source <i>(operational/external/in-kind)</i>	Research Program	Affiliated University/ies
Emily Larsen	Project Manager/ Honorary Research Fellow	0.2	External	Integrated versus non-integrated Peripheral intravenous catheter. Which is the most clinical and cost-effective system for peripheral intravenous catheter management? (The OPTIMUM trial) Peripherally Inserted Central catheter Securement: the PISCES Trial	Griffith University
Jennifer Palmer	Clinical Nurse, Nursing Research	0.6	Internal	Biochemical characteristics and healing rates of medical device-related pressure injuries: the MEDICI study Evaluation of a closed loop-blood sampling system in intensive care: a pilot randomized controlled trial. ENCLOSE study	Qld University of Technology
Julie Flynn	Project Manager	0.3	External	<i>Controlling device Occlusion and infection by Connector Design And decontamination</i> (The COCOA pilot trial)	Griffith University
Dr Nicole Marsh	Nursing and Midwifery Director of Research	1	External/ Internal	<i>Nursing and Midwifery Services RBWH/School of Nursing and Midwifery, Griffith University</i>	
	Adjunct Assoc. Professor – GU				Griffith University
	Adjunct Assoc. Professor – QUT				Qld University of Technology
Dr Jill Campbell	Joint Appointment	0.7	Internal	<i>'Towards a better understanding of continence management in the acute care setting; A multisite exploratory study'</i>	Qld University of Technology (QUT)
Prof Fiona Coyer	Joint Appointment Professor of Nursing	1	External/ Internal	<i>Nursing and Midwifery Services RBWH/School of Nursing, Qld University of Technology</i>	
	Visiting Professor				University of Huddersfield
Prof Theresa Green	Joint Appointment Professor of Nursing	1	External/ Internal	<i>Nursing and Midwifery Services RBWH/School of Nursing, Qld University of Technology</i>	
	Assoc. Professor of Nursing				1. University of Calgary, Faculty of Nursing and Hotchkiss Brain Institute Alberta Health Services, Dept of Clinical Neurosciences
	Visiting Research Fellow				2. Gold Coast University Hospital
Adj Assoc. Prof Alanna Geary	Adjunct Assoc. Professor	1	Internal	<i>Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)</i>	1. School of Nursing Qld University of Technology
	Adjunct Assoc. Professor				2. School of Nursing and Midwifery Griffith University
	Adjunct Professor				3. School of Nursing and Midwifery University of Qld
Prof Robyn Fox	Professor	1	Internal	<i>Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)</i>	1. School of Nursing Qld University of Technology
	Adjunct Assoc. Professor				2. School of Nursing and Midwifery University of Qld
	Clinical Assoc. Professor				3. Australian Catholic University
Dr Catriona Booker	Clinical Assoc. Professor	1	Internal	<i>Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)</i>	1. Qld University of Technology
	Clinical Fellow				2. Australian Catholic University
	Adjunct Assoc. Professor				3. Griffith University
	Adjunct Assoc. Professor				4. The University of Qld

Honorary Positions: e.g. Non-RBWH staff with research appointments at RBWH

Name	Position	Research Program	Affiliated University/ies
Prof Claire Rickard	Honorary Research Fellow	Numerous Vascular Access Trials	Griffith University
Dr Amy Spooner	Honorary Research Fellow	Cancer Care Research	Qld University of Technology
Assoc. Prof Amanda Ullman	Honorary Research Fellow	Numerous Vascular Access Trials	Griffith University
Dr Anne Bonner	Honorary Research Fellow	Numerous Renal projects – please refer to Internal Medicine Research Report	Qld University of Technology
Jo Wu	Honorary Research Fellow	Cardiac research	University of Sunshine Coast
Prof Samantha Keogh	Honorary Research Fellow	Numerous Vascular Access Trials	Qld University of Technology
Paul Jarrett	Honorary Research Fellow	Intensive Care Services Research	Qld University of Technology
Karen Wynne	Honorary Research Fellow	Intensive Care Services Research	Qld University of Technology
Amanda Corley	Honorary Research Fellow	Critical Care Research; Vascular Access Trials	Griffith University
Dr Carol Reid	Honorary Research Fellow	No current active projects with Nursing Services	Griffith University
Dr Gillian Ray-Barruel	Honorary Research Fellow	Peripheral Intravenous Catheter Awareness Study	Griffith University
Assoc. Prof Carol Windsor	Honorary Research Fellow	Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of evidence-based nursing core assessment	Qld University of Technology
Monica Stankiewicz	Honorary Research Fellow	No current active projects with Nursing Services	Redcliffe Hospital
Tiffany Harris-Brown	Honorary Research Fellow	Infection Control	University of Qld
Dr Karen New	Honorary Research Fellow	Women's and Newborn Services	University of Qld
Prof Marie Cooke	Honorary Research Fellow	EffEctiveness of Prophylactic fOam dressings in the prevention of saCral pressure injuries in at-risk hospitalised patients Numerous Vascular Access Trials	Griffith University
Anna Doubrovsky	Project Manager	EffEctiveness of Incontinence-Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial	Qld University of Technology
Tricia Kleidon	Honorary Research Fellow	Numerous Vascular Access Trials	Griffith University
Jessica Schults	Honorary Research Fellow	Numerous Vascular Access Trials	(Griffith University/Qld Children's Hospital)

Current RBWH Research Group / Department Led Research Activity

RBWH Research Group / Department Led Researchers <i>(RBWH staff in bold)</i>	Collaborative Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Prof Claire Rickard <i>(Griffith University)</i> , Peter Groom <i>(Wattlebrae)</i> , Tricia Kleidon <i>(Qld Children's Hospital)</i> , Catherine O'Brien <i>(Nursing and Midwifery Research Centre)</i> , Dr Evan Alexandrou <i>(Liverpool Hospital)</i> , Megan Nicholas <i>(Wattlebrae)</i> , Dr Catriona Booker <i>(Workforce Development and Education Unit)</i>	Comparing the use of Midline Catheters versus Peripherally Inserted Central Catheters for patients requiring peripherally Compatible Therapies: A randomised controlled trial (the COMPACT Trial)
Prof Fiona Coyer <i>(Nursing and Midwifery Research Centre/Intensive Care Services)</i>	Assoc. Prof Tony Parker <i>(QUT)</i> , Dr Jill Campbell <i>(Skin Integrity)</i> , Anna Doubrovsky <i>(QUT)</i>	BiocheMical characteristics and hEaling rates of medical device-related pressure Injuries (the MEDICI study); a prospective observational pilot study
Prof Fiona Coyer <i>(Nursing and Midwifery Research Centre/Intensive Care Services)</i>	Jayesh Dhanani <i>(Intensive Care)</i> , Prof Samantha Keogh <i>(QUT)</i> , Flavia Huygens <i>(QUT)</i> , Suzanne Parker <i>(UQ)</i>	Evaluation of a closed loop-blood sampling system in the intensive care: a pilot randomised controlled trial

Current RBWH Research Group / Department Led Research Activity *(cont)*

RBWH Research Group / Department Led Researchers <i>(RBWH staff in bold)</i>	Collaborative Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Prof Fiona Coyer <i>(Nursing and Midwifery Research Centre/Intensive Care Services)</i>	Dr Jill Campbell <i>(Skin Integrity)</i>	Efficacy of incontinence-associated dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Julie Flynn <i>(Griffith University)</i> , Prof Claire Rickard <i>(Griffith University)</i> , Sue Cadigan <i>(Qld Children's Hospital)</i> , Barbara Hewer <i>(Vascular Access)</i> , Peter Groom <i>(Wattlebrae)</i>	Managing Intravenous Devices among patients with limited vascular access or prolonged therapy: Investigating the Efficacy of midline catheters – the MIDLINE study
Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i>	Tara Hormann <i>(Stroke)</i> , Assoc. Prof Tony Parker <i>(QUT)</i> , Jonathon Peake <i>(QUT)</i> , Gregory Bix <i>(USA)</i>	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy
Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i>	Anna Farrell <i>(Speech Pathology)</i> , Lee Moylan <i>(Neurology)</i> , Bernd Ploderer <i>(QUT)</i>	An image-based tablet app to support communication of daily activity scheduling between patients with post-stroke aphasia, family and hospital staff
Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i>	Kevin Clark <i>(Medicine)</i> , Aneeka Bott <i>(QUT)</i> , Bernd Ploderer <i>(QUT)</i>	Better Individualised Stroke Care Using Technology (BISCUT)
Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i>	Bernd Ploderer <i>(QUT)</i> , Anna Farrell <i>(Speech Pathology)</i> , Lee Moylan <i>(Neurology)</i>	Aphasia Communication App/ StrokeAssist aphasia app evaluation
Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i>	Dr Andrew Wong <i>(Neurology)</i> , Sandy Jamieson <i>(Neurology)</i> , Meaghan Osbourne <i>(Neurology)</i>	Post-acute NP-led stroke service delivery model: managing residual neurological issues and multiple chronic conditions post discharge – a pilot project
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Gabor Mihala <i>(Griffith University)</i> , Prof Marie Cooke <i>(Griffith University)</i> , Prof Claire Rickard <i>(Griffith University)</i>	Peripheral intravenous catheter failure and infection in adults: a systematic review and meta-analysis. (a study)
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Gabor Mihala <i>(Griffith University)</i> , Prof Marie Cooke <i>(Griffith University)</i> , Prof Claire Rickard <i>(Griffith University)</i>	Peripheral intravenous catheter complications in adults: a systematic review and meta-analysis. (a study)
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Sam Tapp <i>(HITH)</i> , Prof Claire Rickard <i>(Griffith University)</i>	Hospital In The Home (HITH) – Management of Peripherally Inserted Central Catheters a retrospective cohort study
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Tricia Kleidon <i>(Qld Children's Hospital)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Vineet Chopra <i>(University of Michigan)</i> , Prof Claire Rickard <i>(Griffith University)</i>	Risk predictors of peripheral IV catheter complications and failure
Emily Larsen <i>(Nursing and Midwifery Research Centre)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Dr Gillian Ray-Barruel <i>(Griffith University)</i> , Dr Evan Alexandrou <i>(Liverpool Hospital)</i> , C Friese, Prof Claire Rickard <i>(Griffith University)</i> , Vineet Chopra <i>(University of Michigan)</i>	One Million Global Catheters (OMG) Oncology/Haematology sub-analysis project
Emily Larsen <i>(Nursing and Midwifery Research Centre)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Dr Nicole Gavin <i>(Cancer Care)</i> , Julie Flynn <i>(Griffith University)</i> , Prof Joan Webster <i>(Nursing and Midwifery Research Centre)</i>	Cancer caRE: The risk factors of vEnous access failuRe (CareTaKER study)
Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i>	Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Assoc. Prof Joshua Byrnes <i>(Griffith University)</i> , Prof Claire Rickard <i>(Griffith University)</i> , Tracey Hawkins <i>(Nursing and Midwifery Research Centre)</i> , Adj Prof Kerri McLeod <i>(Nursing and Midwifery Services)</i>	Investigating and Measuring Patient outcome and experience tools to enable implementation within existing exit survey Applications in local Value Based HealthCare Teams (IMPACT Study)

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Prof Claire Rickard <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Prof Maria Cooke <i>(Griffith University)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> Assoc. Prof Joshua Byrnes <i>(Griffith University)</i> , Andrew Bulmer <i>(Griffith University)</i> , Jessica Schults <i>(Qld Children's Hospital)</i> , Tricia Kleidon <i>(Qld Children's Hospital)</i>	Griffith-BD Catheter Choice Coalition
Bryan Gregory <i>(Intensive Care Services)</i>	Dwarakanathan Ranganathan <i>(Renal Medicine)</i> , Prof Fiona Coyer <i>(Nursing and Midwifery Research Centre/Intensive Care Services)</i>	The effects of renal replacement therapy on immunosuppressive drug concentrations (CITRIC II Study)
Assoc. Prof Amanda Ullman <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Andrew Bulmer <i>(Griffith University)</i> , Naomi Runnegar <i>(Princess Alexandra Hospital)</i> , Tricia Kleidon <i>(Qld Children's Hospital)</i> , Paul Lee-Archer <i>(QLD Children's Hospital)</i> , Benjamin Pearch <i>(Princess Alexandra Hospital)</i> , Deanne August <i>(Griffith University)</i> , Cathy Biles <i>(Princess Alexandra Hospital)</i> , Assoc. Prof Joshua Byrnes <i>(Griffith University)</i> , Vineet Chopra <i>(University of Michigan)</i> , Alan Coulthard <i>(University of Qld)</i> , Rob Ware <i>(Griffith University)</i> , Prof Claire Rickard <i>(Griffith University)</i> , Prof Marianne Wallis <i>(University of the Sunshine Coast)</i> , Peter Molliee <i>(Princess Alexandra Hospital)</i>	Peripherally inserted central catheter innovation to reduce infections and clots: the PICNIC trial
Prof Claire Rickard <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Prof Marie Cooke <i>(Griffith University)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Dr Gillian Ray-Barruel <i>(Griffith University)</i> Tricia Kleidon <i>(Qld Children's Hospital)</i> , Vineet Chopra <i>(University of Michigan)</i>	IMAGINE – Innovative Michigan and Griffith International Network
Lauren Kearney <i>(University of the Sunshine Coast)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Deb Massey <i>(Southern Cross University)</i> , Alison Craswell <i>(University of the Sunshine Coast)</i> , Rachel Nugent <i>(Sunshine Coast Hospital and Health Service)</i> , Guy Godsall <i>(Sunshine Coast Hospital and Health Service)</i>	Peripheral intravenous catheter management in childbirth [PICMIC]: An observational study
Dr Nicole Gavin <i>(Cancer Care Services)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Catherine O'Brien <i>(Nursing and Midwifery Research Centre)</i> , Prof Samantha Keogh <i>(QUT)</i> , Louise Marquart <i>(QIMR Berghofer Medical Research Institute)</i> , Makrina Totsika <i>(QUT)</i>	Standard versus perforated peripheral intravenous catheters. The SURF trial: a pilot randomised controlled trial
Assoc. Prof Clint Douglas <i>(QUT)</i>	Prof Robyn Fox <i>(Nursing and Midwifery Professional Education and Workforce Development)</i> , Dr Catriona Booker <i>(Workforce Development and Education Unit)</i> , Adj Assoc Prof Alanna Geary <i>(Metro North Nursing and Midwifery)</i> , Prof Sandy Middleton <i>(Australian Catholic University, ACU)</i> , Emeritus Prof Glenn Gardner <i>(QUT)</i> , Patrick Kelly <i>(University of Sydney)</i> , Rachael Morton <i>(University of Sydney)</i> , Elizabeth McInnes <i>(ACU)</i> , Carol Windsor <i>(QUT)</i>	Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)
Hal Rice, <i>(Gold Coast University)</i>	Prof Theresa Green <i>(Nursing and Midwifery Research Centre/Neurology)</i> , Laetitia de Villiers <i>(Gold Coast University Hospital, GCUH)</i> , Jason Wenderoth <i>(Prince of Wales Hospital Sydney)</i> , Andrew Cheung <i>(Prince of Wales Hospital Sydney)</i> , Will McAuliffe <i>(Sir Charles Gardner Hospital, Perth)</i> , Tim Phillips <i>(Sir Charles Gardner Hospital, Perth)</i> , Maame Owusu <i>(GCUH)</i> , Justin Whitley <i>(Radiology)</i>	SCOPE-AUS: The Safety and Clinical Effectiveness Of Pipeline™ Flex Embolization devices with Shield Technology™ in patients with intracranial aneurysms: A multicentre retrospective study of an AUstralian cohort
Colette McIntyre <i>(Women's and Newborns Services)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Dr Karen New <i>(University of Qld, UQ)</i> , Deanne August <i>(Griffith University)</i> , Donna Hovey <i>(Longreach Hospital)</i> , Patricia Smith <i>(Women's and Newborn Services)</i> , Pieter Koorts <i>(Neonatology)</i> , Katie Foxcroft <i>(Women's and Newborn Services)</i>	NeOnatal Vascular Access (NOVA) study: an observational study of neonatal vascular access complications
Dr Nicole Gavin <i>(Cancer Care Services)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Tricia Kleidon <i>(Qld Children's Hospital, QCH)</i> , Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Prof Claire Rickard <i>(Griffith University)</i> , Dr Jill Campbell <i>(Skin Integrity)</i>	Estimating prevalence of impaired skin surrounding Devices: the EPISODE study
Julie Flynn <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Prof Samantha Keogh <i>(QUT)</i> , Assoc. Prof Amanda Ullman <i>(QUT)</i> , Lee Zhang <i>(Gold Coast Uni)</i> , Prof Claire Rickard <i>(Griffith University)</i>	Evaluating effective decontamination methods for needleless connectors: A pilot randomised control trial
Prof Claire Rickard <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Prof Sandy McCarthy <i>(Griffith University)</i> , Tricia Kleidon <i>(QCH)</i> , Emily Larsen <i>(Nursing and Midwifery Research Centre)</i> , Li Zhang <i>(Gold Coast University Hospital)</i> , Assoc. Prof Amanda Ullman <i>(Griffith University)</i> , Rachel Edwards <i>(QCH)</i> , Melissa Arneil <i>(Princess Alexandria Hospital, PAH)</i>	Controlling device Occlusion and infection by Connector Design And decontamination (The COCOA pilot trial)
Prof Claire Rickard <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Prof Raymond Chan <i>(QUT)</i> , Peter Molliee <i>(PAH)</i> , Geoffrey Playford <i>(PAH)</i> , Li Zhang <i>(Griffith University)</i> , Andrew Hallahan <i>(QCH)</i> , Dr Evan Alexandrou <i>(Liverpool Hospital)</i>	Peripherally InSerted CEntral catheter Securement: the PISCES Trial
Prof Claire Rickard <i>(Griffith University)</i>	Dr Nicole Marsh <i>(Nursing and Midwifery Research Centre)</i> , Peter Carr <i>(Fiona Stanley Hospital)</i> , Gavin Jackson <i>(Fiona Stanley Hospital)</i> , Prof Marie Cooke <i>(Griffith University)</i> , Prof Marianne Wallis <i>(Griffith University)</i>	Integrated versus non-integrated Peripheral InTravenous catheter. Which Is the most clinical and cost-effective system for peripheral InTravenous catheter Management? (The OPTIMUM trial)

Collaborative Research Activity involving RBWH Research Group / Department (cont)

Collaborative Led Researchers	RBWH Researchers and Others (RBWH staff in bold)	Research Project Title
Prof Claire Rickard (Griffith University)	Dr Nicole Marsh (Nursing and Midwifery Research Centre), Li Zhang (Griffith University), Prof Marie Cooke (Griffith University), Peter Mollee (PAH), Alexandra McCarthy (PAH), Prof Samantha Keogh (QUT), Dr Cindy Mervin (Griffith University)	Prevention of central venous catheter infection and occlusion by needless connector design and disinfection in haematology-oncology patients
Prof Helen Edwards (QUT)	Prof Fiona Coyer (Nursing and Midwifery Research Centre/Critical Care Services), Patricia Sinasac (TPCH), Kathleen Finlayson (QUT), Christina Parker (QUT), Jessica Schluter (TPCH), Kerrie Coleman (Skin Integrity)	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI)
Rohan Grimley (Nambour Hospital)	Prof Theresa Green (Nursing and Midwifery Research Centre/Neurology Services), Suzanne Keys (ACU), Louise Gustafsson (Griffith University), Eleanor Horton (USC), Benjamin Chen (Gold Coast Hospital), Ingrid Rosbergen (Physiotherapy), Greg Cadigan (Health Improvement Unit)	Building efficient and equitable pathways to and through rehabilitation in stroke
Michelle Barakat-Johnson (Sydney Local Health District, SLHD)	Prof Fiona Coyer (Nursing and Midwifery Research Centre/Intensive Care Services), John Stephenson (University of Huddersfield), Ashleigh Dolton (RPAH), Sarah Jones (St George), Jayne Campbell (Tamworth ICU), Heidi Buhr (RPAH)	Efficacy of a heel off-loading boot in reducing heel pressure injuries in intensive care patients: a single-blinded randomised controlled trial
Michelle Barakat-Johnson (SLHD)	Prof Fiona Coyer (Nursing and Midwifery Research Centre/Intensive Care Services), Kate White (University of Sydney), John Stephenson (University of Huddersfield)	Effectiveness of a Pressure Injury Clinical Judgement Risk-screening tool and prevention plan: Cluster Randomised Control Trial (EmPIRE RCT)
Michelle Barakat-Johnson (SLHD)	Prof Fiona Coyer (Nursing and Midwifery Research Centre/Intensive Care Services)	A novel implementation of best available evidence into practice for incontinence-associated dermatitis (IMBED)
Dr Gillian Ray-Barruel (Griffith University)	Dr Nicole Marsh (Nursing and Midwifery Research Centre), Min-Lin Wu (Griffith University), Andrew Bulmer (Griffith University), Prof Claire Rickard (Griffith University), Prof Wendy Moyle (Griffith University)	Adaptation of the catheter-associated urinary tract infection (CAUTI) targeted assessment for prevention (TAP) tool for use in the Australian acute healthcare setting: a validation study
Dr Gillian Ray-Barruel (Griffith University)	Dr Nicole Marsh (Nursing and Midwifery Research Centre), Vineet Chopra (University of Michigan), Tricia Kleidon (Qld Children's Hospital), Prof Claire Rickard (Griffith University)	To be or not to be left in situ: Prevalence and complications of ideal intravenous catheters. A secondary analysis of 15,000 catheters
Assoc. Prof Amanda Ullman (Griffith University)	Dr Nicole Marsh (Nursing and Midwifery Research Centre), Emily Larsen (Nursing and Midwifery Research Centre), Prof Claire Rickard (Griffith University)	Consumer-led innovation to implement improvements in central venous access device management: The Vascular Access Passport
Gerben Keijzers (Gold Coast Hospital)	Hugo Evison (Gold Coast Hospital), Amy Sweeney (Gold Coast Hospital), Jamie Ranse (Gold Coast Hospital), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Assoc. Prof Joshua Byrnes (Griffith University), Prof Claire Rickard (Griffith University), Dr Peter Carr (Griffith University)	Clinician decision making in peripheral intravenous cannulation in emergency settings
Prof Claire Rickard (Griffith University)	Amanda Corley (The Prince Charles Hospital), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Assoc. Prof Amanda Ullman (Griffith University), India Lye (The Prince Charles Hospital)	Anti-microbial Disc infection preventions in vascular access (ADORN Trial)
Amanda Corley (The Prince Charles Hospital)	India Lye (The Prince Charles Hospital), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Prof Claire Rickard (Griffith University)	Anti-microbial Disc infection preventions in vascular access (ADORN Trial)
Jessica Schults (Griffith University/Qld Children's Hospital)	Prof Claire Rickard (Griffith University), Prof Marie Cooke (Griffith University), Assoc. Prof Amanda Ullman (Griffith University), Tricia Kleidon (Qld Children's Hospital), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Dr Gillian Ray-Barruel (Griffith University)	Developing a vascular access registry minimum dataset: An international Delphi study
Prof Claire Rickard (Griffith University)	Jessica Schults (Griffith University/Qld Children's Hospital), Assoc. Prof Amanda Ullman (Griffith University), Tricia Kleidon (Qld Children's Hospital), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Dr Gillian Ray-Barruel (Griffith University), Prof Marie Cooke (Griffith University), Gabor Mihala (Griffith University), Robert Ware (Griffith University), Assoc. Prof Joshua Byrnes (Griffith University), Malcolm Wolski (Griffith University), Jolon Faichney (Griffith University)	IVCare: A vascular access clinical registry based at Griffith University
Prof Claire Rickard (Griffith University)	Assoc. Prof Joshua Byrnes (Griffith University), Vineet Chopra (University of Michigan), Assoc. Prof Amanda Ullman (Griffith University), Dr Nicole Marsh (Nursing and Midwifery Research Centre), Emily Larsen (Nursing and Midwifery Research Centre), Prof Raymond Chan (The Princess Alexandra Hospital/Qld University of Technology)	Measuring Quality of Life and Experience for Central Venous Access Devices in Cancer Care: Developing and preliminary testing of MyVAD

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Prof Theresa Green	Acknowledgment of presentation: Intimacy and sexuality post stroke. Presentation available on the World Stroke Organisation Education webpage	2018 World Stroke Congress, Montreal
Dr Nicole Marsh	AVATAR Teacher of the Year Award	Griffith University
Dr Nicole Marsh , Prof Joan Webster, Claire Rickard, Emily Larsen, Deanne August, Julie Flynn, Amanda Corley	Health Service and Implementation Research Award	Metro North 2019 Research Excellence Awards
Prof Joan Webster	Chief Executive Award	Metro North 2019 Research Excellence Awards
Dr Nicole Marsh	2019 Best Paper Prize	Australian Vascular Access Society (AVAS) Scientific Meeting, Sydney
Dr Nicole Marsh	Completed PhD	Griffith University
Claire Rickard, Andrew Bulmer, Amanda Ullman, Dr Nicole Marsh , Tricia Kleidon, Marie Cooke, Joshua Byrnes, Gillian Ray-Barruel and Jessica Schults	Vice Chancellor Health Research Excellence Awards – Research Team Award	Griffith University
Dr Nicole Marsh	Selected to be a part of a working group to develop the National Peripheral Venous Access Clinical Care Standard (PVA CCS).	Australian commission for Safety and Quality
Dr Nicole Marsh , Prof Joan Webster, Emily Larsen, Peter Groom, S Tapp, Megan Nicholas	Service Line Award, RBWH, Quality Awards Recognising Remarkable Initiative and Excellence in Service. Understanding vascular access outcomes at the RBWH	Quarrie Awards

Research Grants

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Prof Fiona Coyer , Jayesh Khanani, Prof Samantha Keogh, Flavia Huygens, Suzanne Parker, Vladislav Ilushin	Nursing and Midwifery Research Centre/ Intensive Care Services	Evaluation of a closed loop-blood sampling system in intensive care: a pilot randomised controlled trial	Royal Brisbane and Women's Hospital Foundation	\$40,000	\$20,000	2019-2020
Prof Claire Rickard, Assoc. Prof Amanda Ullman, Dr Nicole Marsh , Tricia Kleidon, Gerben Keijzers, Jessica Schults, Prof Marie Cooke, Assoc. Prof Joshua Byrnes, Robert Ware, Louise Cullen , Pauline Calleja, Fiona MacFarlane, Steven McTaggart, Henry Goldstein, Nathan Peters , Dr Catriona Booker , Stephanie Hadikusumo , Krispin Hajkowicz , Stuart Watkins, Audra Gedmintas, Adj Prof Kerri McLeod , Herbert Down, Fiona Allsop, Jeremy Wellwood, Mark Elcock	Nursing and Midwifery Research Centre	Difficult peripheral intravenous catheter insertion: Australian considerations for sustainable implementation of ultrasound guided procedures	National Health and Medical Research Council (NHMRC) Partnership Grant	\$1,497,197.00	\$20,000	2019-2022
Prof Fiona Coyer , Dr Jill Campbell	Nursing and Midwifery Research Centre/ Intensive Care Services, Skin Integrity	Efficacy of incontinence-associated dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial	3M Science, Applied for life	\$36,036.75	\$36,036.75	2019
L Kearney, Assoc. Prof Amanda Ullman, Deb Massey, Alison Craswell, Rachel Nugent, Guy Godsall, Dr Nicole Marsh	Nursing and Midwifery Research Centre	Peripheral intravenous catheter management in childbirth [PICMIC]: An observational study	University of the Sunshine Coast SNMP Nurture Seed Grants	\$9,654.79	\$3,000	2019-2020

Research Grants (cont)

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Dr Nicole Gavin , Prof Samantha Keogh, Louise Marquart, Dr Nicole Marsh , Makrina Totsika, Catherine Saxby	Cancer Care Services, Nursing and Midwifery Research Centre	Standard versUs peRForated peripheral intravenous catheters. The SURF trial: a pilot randomised controlled trial	Metro North Collaborative Research Grants	\$49,410	\$0	2019-2020
Michelle Barakat-Johnson, Prof Fiona Coyer , Kate White, John Stephenson	Nursing and Midwifery Research Centre/ Intensive Care Services	Effectiveness of a Pressure Injury Clinical Judgement Risk-screening tool and prevention plan: Cluster Randomised Control Trial (EmPIRE RCT)	MRFF Rapid Applied Research Translation Funding	\$165,000	\$82,000	2019-2020
Dr Nicole Marsh , Tricia Kleidon Assoc. Prof Amanda Ullman, Vineet Chopra, Prof Claire Rickard	Nursing and Midwifery Research Centre	Risk predictors of peripheral IV catheter complications and failure	Imagine Seed Fund Grant	\$9,000	\$1,200	2019-2020
Jessica Schults, Prof Claire Rickard, Prof Marie Cook, Assoc. Prof Amanda Ullman, Tricia Kleidon, Dr Nicole Marsh , Dr Gillian Ray-Barruel	Nursing and Midwifery Research Centre	Developing a vascular access registry minimum dataset: An international Delphi study	Unrestricted Educational Grant Becton Dickinson (BD)	\$71,165	\$51,000	2019-2020
Dr Gillian Ray-Barruel, Wu Min-Lin, Dr Nicole Marsh , Andrew Bulmer, Prof Claire Rickard, Prof Wendy Moyle	Nursing and Midwifery Research Centre	Adaptation of the catheter-associated urinary tract infection (CAUTI) targeted assessment for prevention (TAP) tool for use in the Australian acute healthcare setting: a validation study	School of Nursing and Midwifery research capacity building seed funding grant round 2019	\$5,000	\$5,000	2019
Dr Gillian Ray-Barruel, Dr Nicole Marsh , Vineet Chopra, Tricia Kleidon, Prof Claire Rickard	Nursing and Midwifery Research Centre	To be or not to be left in situ: Prevalence and complications of idel intravenous catheters. A secondary analysis of 15,000 catheters	Imagine Seed Fund Grant	\$8,500	\$8,500	2019
Emily Larsen , Dr Gillian Ray-Barruel, Dr Evan Alexandrou, Christopher Friese, Dr Nicole Marsh , Prof Claire Rickard, Vineet Chopra	Nursing and Midwifery Research Centre	One Million Global Catheters (OMG) Oncology/Haematology sub-analysis project	Imagine Seed Fund Grant	\$2,500	\$2,500	2019
Assoc. Prof Amanda Ullman Natasha Roberts, Dr Nicole Marsh , Emily Larsen , Prof Claire Rickard	Nursing and Midwifery Research Centre	Consumer-led innovation to implement improvements in central venous access device management: The Vascular Access Passport	Diamond Care Grants, Royal Brisbane and Women's Hospital (RBWH)	\$38,775	\$2,500	2019-2020
Dr Nicole Marsh , Emily Larsen , Assoc. Prof Joshua Byrnes, Prof Claire Rickard, Tracey Hawkins, Adj Prof Kerri McLeod	Nursing and Midwifery Research Centre, Nursing and Midwifery Services	I nvestigating and M asuring P atient outcome and experience tools to enable implementation within existing exit survey A pplications in local V alue Based H ealth C are T eams (IMPACT Study)	Health Group Fostering Research Partnerships Scheme, Griffith University	\$9,872.14	\$1,700	2019-2020
Prof Claire Rickard, Jessica Schults, Assoc. Prof Amanda Ullman, Tricia Kleidon, Dr Nicole Marsh , Dr Gillian Ray-Barruel, Prof Marie Cooke, Gabor Mihala, Robert Ware, Assoc. Prof Joshua Byrnes, Malcolm Wolski, Jolon Faichney	Nursing and Midwifery Research Centre	IVCare: A vascular access clinical registry based at Griffith University	Capacity Grants Scheme, Menzies Health Institute QLD, Griffith University	\$50,000	\$50,000	2019

Research Grants (cont)

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Prof Claire Rickard, Assoc. Prof Joshua Byrnes, Vinet Chopra, Assoc. Prof Amanda Ullman, Dr Nicole Marsh , Emily Larsen, Prof Raymond Chan	Nursing and Midwifery Research Centre	Measuring Quality of Life and Experience for Central Venous Access Devices in Cancer Care: Developing and preliminary testing of MyVAD	Seed Grants Scheme, Griffith University	\$99,502	\$5,300	2019-2020
Prof Claire Rickard, Amanda Corley, Dr Nicole Marsh , Assoc. Prof Amanda Ullman, India Lye	Nursing and Midwifery Research Centre	Anti-microbial Disc infection preventions in vascular access (ADORN Trial)	Investigator-initiated Study (ISS) Proposal Cardinal Health	\$20,000	\$20,000	2019
Amanda Corley, India Lye, Dr Nicole Marsh , Prof Claire Rickard	Nursing and Midwifery Research Centre	Anti-microbial Disc infection preventions in vascular access (ADORN Trial)	Australian College of Critical Care Nurses	\$4,955.94	\$4,955.94	2018-2019
Gerben Keijzers, Hugo Evison, Amy Sweeny, Jamie Ranse, Dr Nicole Marsh , Assoc. Prof Joshua Byrnes, Prof Claire Rickard, Prof Peter Carr	Nursing and Midwifery Research Centre	Clinician decision making in peripheral intravenous cannulation in emergency settings	Gold Coast Hospital Health Service Research Grant Scheme	\$34,794	\$500	2019-2020
Dr Nicole Marsh , Julie Flynn, Prof Claire Rickard,	Nursing and Midwifery Research Centre	Managing Intravenous Devices among patients with Limited vascular access or prolonged therapy: InvestigatiNg the Efficacy of midline catheters – the MIDLINE study	Australian College of Nursing	\$30,000	\$30,000	2018-2019
Dr Nicole Marsh , Julie Flynn, Prof Claire Rickard, Sue Cadigan, Barbara Hewer, Peter Groom	Nursing and Midwifery Research Centre	Managing Intravenous Devices among patients with Limited vascular access or prolonged therapy: InvestigatiNg the Efficacy of midline catheters – the MIDLINE study	RBWH and RBWH Foundation Research Project Grant	\$30,000	\$15,000	2019-2020
Michelle Barakat-Johnson, Prof Fiona Coyer	Nursing and Midwifery Research Centre/ Intensive Care Services	A novel implementation of best available evidence into practice for incontinence-associated dermatitis (IMBED)	NSW Health, Translational Research Grant Scheme	\$930,705	\$30,000	2019-2021
Hal Rice, Prof Theresa Green , Laetitia de Villiers, Jason Wenderoth, Andrew Cheung, Will McAuliffe, Tim Philips, Maame Owusu, Justin Whitley	Nursing and Midwifery Research Centre/ Neurology	SCOPE-AUS: The Safety and Clinical Effectiveness Of Pipeline™ Flex Embolization devices with Shield Technology™ in patients with intracranial aneurysms: A multicentre retrospective study of an AUStralian cohort	Medtronic	\$284,875	\$142,437.50	2018-2019
Prof Theresa Green , Bernd Ploderer, Anna Farrell , Lee Moylan	Nursing and Midwifery Research Centre, Speech Pathology, Neurology	Aphasia Communication App/ StrokeAssist aphasia app evaluation	Department of Health/MNHHS	\$35,700	\$20,700	2018-2019
Prof Theresa Green , Kevin Clarke, Aneeka Bott	Nursing and Midwifery Research Centre/ Neurology, Medicine	Better Individualised Stroke Care Using Technology (BISCUT)	MNHHS LINK	\$170,000	\$85,000	2018-2019
Prof Theresa Green , Tara Hormann, Assoc. Prof Tony Parker, Jonathon Peake, Gregory Bix	Nursing and Midwifery Research Centre/ Neurology, Stroke	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy	RBWH Foundation Research Grant	\$40,000	\$30,000	2018-2019

Research Grants (cont)

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Prof Clint Douglas, Prof Robyn Fox, Dr Catriona Booker, Assoc. Prof Alanna Geary , Prof Sandy Middleton, Emeritus Prof Glenn Gardner, Patrick Kelly, Rachael Morton, Elizabeth McInnes, Assoc. Prof Carol Windsor	Nursing and Midwifery Professional Education and Workforce Development, Workforce Development and Education Unit, Metro North Nursing and Midwifery	Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)	NHMRC Partnerships for Better Health – Partnership Projects	\$2.1m	\$617,038.50	2018-2020
Bryan Gregory, Dwarakanathan Ranganathan, Prof Fiona Coyer	Intensive Care Services, Renal Medicine, Nursing and Midwifery Research Centre	The effects of renal replacement therapy on immunosuppressive drug concentrations (CITRIC II Study)	RBWH Foundation Research Grant	\$40,000	\$10,000	2019-2020
Prof Claire Rickard, Dr Nicole Marsh , Prof Marie Cooke, Assoc. Prof Amanda Ullman, Assoc. Prof Joshua Byrnes, Andrew Bulmer, Jessica Schults, Tricia Kleidon	Nursing and Midwifery Research Centre	Griffith-BD Catheter Choice Coalition	MHIQ Capacity Grants Scheme	\$50,000	\$20,000	2018-2019
Prof Claire Rickard, Dr Nicole Marsh , Prof Marie Cooke, Assoc. Prof Amanda Ullman, Dr Gillian Ray-Barruel, Tricia Kleidon, Vineet Chopra	Nursing and Midwifery Research Centre	IMAGINE – Innovative Michigan and Griffith International Network	MHIQ Capacity Grants Scheme	\$100,000	\$50,000	2018-2019
Prof Claire Rickard, Dr Nicole Marsh , Prof Raymond Chan, Peter Mollee, Geoffrey Playford, Li Zhang, Andrew Hallahan, Dr Evan Alexandrou	Nursing and Midwifery Research Centre	Peripherally inserted central catheter securement: the PISCES Trial	National Health and Medical Research Council (NHMRC)	\$1,198,006	\$299,501.50	2016-2019
Brigid Gillespie, Prof Wendy Chaboyer, Prof Joan Webster , David Ellwood, Jennifer Whitty, Luckman Thalib, Nicky Cullum, Margarete Somerville, Deborah Birthisel, Dr Rebecca Kimble	Nursing and Midwifery Research Centre	Adding negative pressure to improve healing: The dressing trial	National Health and Medical Research Council (NHMRC)	\$2,324,351.30	\$464,870.26	2015-2019
Maria Castillo, Prof Claire Rickard, Dr Nicole Marsh , Tania Clark, Prof Peter Carr, Gavin Jackson, Li Zhang, Prof Marie Cooke, Prof Marianne Wallis	Nursing and Midwifery Research Centre	Integrated versus non-integrated peripheral intravenous catheter. Which is the most clinical and cost-effective system for peripheral intravenous catheter management? The OPTIMUM Trial	Becton, Dickinson and Company	\$706,224	\$176,556	2016-2019
Prof Fiona Coyer , Assoc. Prof Tony Parker, Dr Jill Campbell , Anna Doubrovsky	Nursing and Midwifery Research Centre/ Intensive Care Services, Skin Integrity	Biochemical characteristics and healing rates of medical device-related pressure injuries (the MEDICI study); a prospective observational pilot study	Qld University of Technology, School of Nursing Pilot Grant Institute of Health and Biomedical Innovation	\$35,000	\$11,666.66	2018-2020
Assoc. Prof Amanda Ullman, Patrick Harris , Andrew Bulmer, Naomi Runnegar, Tricia Kleidon, Paul Lee-Archer, Ben Peach, Cathy Biles, Assoc. Prof Joshua Byrnes, Vineet Chopra, Alan Coulthard , Robert Ware, Dr Nicole Marsh , Peter Mollee, Prof Claire Rickard, Prof Marianne Wallis	Nursing and Midwifery Research Centre Department Medical Imaging Microbiology	Peripherally inserted central catheter Innovation to reduce Infections and Clots: PICNIC trial	National Health and Medical Research Council (NHMRC)	\$706,582	\$214,000	2018-2021

2019 Research Publications

Journal Articles

1. Corley, A, Ullman AJ, **Marsh N, Larsen EN**, Mihala G, Harries P, Rickard CM. SECUREment bundles to prevent Peripheral Intravenous Catheter failure: the SECURE-PIVC trial. Study protocol for a pilot randomized controlled trial. *Canadian Vascular Access Association Journal*. 2019; 13(3), 6-14
2. Lin F, Wu Z, Song B, **Coyer F**, Chaboyer W. Pressure injury prevention programs in adult intensive care patients: A systematic review. *Int J Nurs Studies*. 2019; 103483. <https://doi.org/10.1016/j.ijnurstu.2019.103483>
3. Fulbrook P, Miles S, **Coyer F**. Prevalence of pressure injury in adults presenting to the emergency department by ambulance. *Aust Crit Care*. 2019; 32:509-514. <https://doi.org/10.1016/j.aucc.2018.10.002>
4. McIntyre D, **Coyer F**, Bonner A. Identifying nurse sensitive indicators specific to haemodialysis nursing: A Delphi approach. *Collegian*. 2019. <https://doi.org/10.1016/j.colegn.2019.06.003>
5. Lye I, Corley A, Rickard CM, **Marsh N**. Removal versus retention of vascular access devices (VADs) suspected of infection in the intensive care unit (ICU): a narrative review of the literature. *Vascular Access*. 2019; 5(2):42-48. DOI: 10.33235/va.5.2.42-48
6. Webster J, Ray-Barruel G, Rickard C, **Marsh N**, Mihalia G, Alexandrow E. "Just in case". Use of large bore peripheral intravenous catheters in parturient women: A global study. *Vascular Access Journal*. 2019; 5(1)
7. Webster J, Osborne S, **Marsh N**, Rickard CM. Clinically-indicated replacement versus routine replacement of peripheral venous catheters. *Cochrane Database of Systematic Reviews*. 2019; <https://doi.org/10.1002/14651858.CD007798.pub5>
8. Ullman AJ, Mihala G, O'Leary K, **Marsh N**, Woods C, Bugden S, Scott M, Rickard CM. Skin Complications associated with vascular access devices: A secondary analysis of 13 studies involving 10,859 devices. *International Journal of Nursing Studies*. 2019;91:6-13. <https://doi.org/10.1016/j.ijnurstu.2018.10.006>
9. Dunstan E, Cook JL, **Coyer F**. Safety culture in intensive care internationally and in Australia: a review of the literature. *Australian Critical Care*. 2019; <https://doi.org/10.1016/j.aucc.2018.11.003>. Winner ACCCN Best Nursing Review Paper 2016
10. Flynn J, **Larsen E**, Keogh S, Ullman A, Rickard C. Methods for microbial needleless connector decontamination: A systematic review and meta-analysis. *American Journal of Infection Control*. 2019; doi: 10.1016/j.ajic.2019.01.002
11. Dunstan E, **Coyer F**. Safety culture in two Australian tertiary hospital intensive care units: A cross sectional survey. *Aust Crit Care*. 2019; <https://doi.org/10.1016/j.aucc.2018.11.069>
12. Mauk KL, Almahy D, Barks L, **Green T**, et al. Nurse Author: Who Me? Yes, You! *Rehabilitation Nursing Journal*. 2019;44(2):104-114
13. Zerna C, Burley T, **Green T**, Dukelow S, Demchuk A, Hill M. Validation and application of the comprehensive hierarchical evaluation of disability based on activity limitations (miFunction) scale. *I J of Stroke*. 2019; 0(0):1-8. DOI: 10.1177/1747493019840933
14. Grimley RS, Rosbergen IC, Gustaffson L, Horton E, **Green T**, Cadigan G, Kuys S. Assessment and selection for rehabilitation following acute stroke: a prospective cohort study in Queensland, Australia. *Clinical rehabilitation*. 2019; <https://doi.org/10.1177%2F0269215519837585>
15. Barakat-Johnson M, Lai M, **Coyer F**, Wand T, White K. Translating knowledge into practice: A system-wide practice change to combat hospital-acquired pressure injuries – the people, processes and learnings. *J Nurs Care Qual*. 2019; <https://doi.org/10.1097/NCQ.0000000000000395>
16. Hada A, Jack L, **Coyer F**. Using a knowledge translation framework to identify barriers and supports to effective clinical handover: A focus group study. *Heliyon (Open Access)*. 2019;5(6):e10960. <https://doi.org/10.1016/j.heliyon.2019.e01960>
17. Ranse K, Delaney L, Ranse J, **Coyer F**, Yates P. End-of-life care content in postgraduate critical care nursing programs: Structured telephone interviews to evaluate content informing practice. *Aust Crit Care*. 2019; <https://doi.org/10.1016/j.aucc.2019.04.004>
18. Johnston S, Nash R, **Coyer F**. Evaluation of simulation debriefings on student nurses' perceptions of clinical reasoning and learning transfer: a mixed methods study. *Int J Nurs Ed Scholarship*. 2019; <https://doi.org/10.1515/ijnes-2018-0045>
19. Grant A, **Coyer F**. Determining the contextual barriers and facilitators to research utilisation in an Australian adult intensive care unit: A descriptive study. *Aust Crit Care*. 2019; <https://doi.org/10.1016/j.aucc.2019.01.001>
20. Ray-Barruel G, Xu H, **Marsh N**, Cooke M, Rickard CM. Effectiveness of insertion and maintenance bundles in preventing peripheral intravenous catheter-related complications and bloodstream infection in hospital patients: A systematic review. *Infection disease & health*. 2019; <https://doi.org/10.1016/j.idh.2019.03.001>
21. Ray-Barruel G, Woods C, Larsen E, **Marsh N**, Ullman A, Rickard CM. Nurses' decision-making about intravenous administration set replacement: a qualitative study. *Journal of Clinical Nursing*. DOI: 10.1016/j.idh.2019.03.001
22. **Larsen EN**, Gavin N, **Marsh N**, Rickard CM, Runnegar N, Webster J. A systematic review of central-line-associated bloodstream infection (CLABSI) diagnostic reliability and error. *Infection Control & Hospital Epidemiology*. 2019;1-7. DOI: 10.1017/ice.2019.205
23. Choudhury MA, Sidjabat H, Zowawi H, **Marsh N**, Larsen E, Runnegar N, Paterson D, McMillan D, Rickard C. Skin colonisation at peripheral intravenous catheter insertion sites increases the risk of catheter colonisation and infection. *American Journal of Infection Control*. DOI: 10.1016/j.ajic.2019.06.002
24. Barakat-Johnson M, **Coyer F**, Lai M, Wand T, White K. The incidence and prevalence of medical device-related pressure injuries in intensive care: A systematic review. *J Wound Care*. 2019;28(8):1-8
25. Rheault H, **Coyer F**, Jones L, Bonner A. Health literacy in Indigenous people with chronic disease living in remote Australia. *BMC Health Services Research*. 2019;19:523. <https://doi.org/10.1186/s12913-019-4335-5>
26. **Marsh N, Larsen E**, Tapp S, Sommerville M, Mihala G, Rickard C. Management of hospital in the home (HITH) peripherally inserted central catheters: A retrospective cohort study. *Home Health Care Management & Practice*. 2019; 1-6. <https://doi.org/10.1177/1084822319873334>

Journal Articles (cont)

27. **Green T**, Singh P, King-Shier K. The Impact of Ethnic/Racial Status on Access to Care and Outcomes Following Stroke: A Narrative Systematic Review. *J of Vascular Nursing*. 2019. (JVN_2019_25)
28. Tanlaka E, King-Shier K, **Green T**, Seneviratne C, Dukelow S. Inpatient Rehabilitation Care in Alberta: How Much Does Stroke Severity and Timing Matter? *The Canadian journal of neurological sciences. Le journal canadien des sciences neurologiques*. 2019;1-29
29. Hoang V L, **Green T**, Bonner A. Informal caregivers of people undergoing haemodialysis: Associations between activities and burden. *Journal of renal care*. 2019; 00(0):1-8
30. Campbell J, Cook JL, Doubrovsky A, Vann A, McNamara G, **Coyer F**. Exploring incontinence-associated dermatitis in the intensive care setting: A single longitudinal point prevalence study. *J Wound Ostomy Continence Nurs*. 2019; 46(5):401-407
31. Ullman AJ, Keidon TM, Turner K, Gibson V, Dean A, Cattanaach P, Pitt C, Woosley J, **Marsh N**, Gavin N, Takashima M, Rickard CM. Skin complications associated with paediatric central venous access devices: Prevalence, incidence and risk. *Journal of Pediatric Oncology Nursing*. 2019. DOI: 10.1177/1043454219849572. JIF=1.295.

Book Chapters / Letters

1. Grealy B, Johansson L, **Coyer F**. Chapter 5 Essential Nursing Care of the Critically Ill Patient. In L Aitken, A Marshall & W Chaboyer (Eds). *Critical Care Nursing*, 4th Ed. Elsevier, Sydney 2019.

Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **Coyer F**. Critical care focus in preventing pressure injuries. Wounds Australia Symposium: Protecting your skin through thick and thin. December 2019
2. **Coyer F**. Provide valuable input into the development of the pressure ulcer/injury prevention and treatment: Clinical Practice Guidelines. 2019 International Prevention and Treatment of Pressure Ulcers/Injuries Conference. November 2019
3. **Coyer F**. Implementation of interventions in emergency department settings and the lessons learned. Health Partner Symposium. October 2019
4. **Coyer F**. Device related pressure injury issues. 2019 World Congress of Intensive Care Conference. October 2019
5. **Marsh N**. How can we improve PIV care? Should we consider Midline catheters? Association for Vascular Access (AVA) Conference, October 2019
6. **Marsh N**. In the line of duty: Improving the performance of PICCs research results from an Australian hospital. Association for Vascular Access (AVA) Conference, October 2019
7. **Marsh N**. Peripheral intravenous Devices in Cancer Care Services – Risk Factors for Failure. Association for Vascular Access (AVA) Conference, October 2019
8. **Green T**. Sexuality and Intimacy after Stroke: a review of the literature. American Association of Neuroscience Nurses Conference, August 2019
9. **Green T**. Experiences of patients with stroke and family members of post-acute rehabilitation decision-making and community-based rehabilitation. European Stroke Organisation Conference. May 2019
10. **Marsh N**. Australian Association of Vascular Access (AVAS), Scientific Meeting, A pilot Randomised Controlled Trial of Two Insertion Models (Expert Vs Generalist). Best Paper Prize. May 2019
11. **Marsh N**. Australian Association of Vascular Access (AVAS), Scientific Meeting, Hospital in the home (HITH) management of peripherally inserted central catheter a retrospective cohort study. May 2019
12. **Marsh N**. Australian Association of Vascular Access (AVAS), Scientific Meeting, Dressing and securing peripheral intravenous catheters: a pilot randomised controlled trial of novel integrated dressing. May 2019
13. **Green T**. Experiences of patients with stroke and family members of post-acute rehabilitation decision-making and community-based rehabilitation. European Stroke Organisation Conference, May 2019
14. **Coyer F**. Social Media and Critical Care Meeting. Share innovative ideas for improving the care of critically ill patients. 25-29 March 2019, Sydney, Australia
15. **Coyer F**. Participate in the International Consensus Panel to discuss medical device-related pressure ulcers, assessment and prevention. 27 February – 2 March 2019, London, UK
16. **Green T**. Evidence-based stroke care transitions and stroke TCM: Implementation challenges. 2019 International Stroke Conference. February 2019.

Poster Presentations

1. Tanlaka E, King-Shier K, **Green T**, Seneviratne C, Dukelow S. Sex differences in stroke rehabilitation care in Alberta. Canadian Stroke Congress 2019. Digital poster
2. Ray-Barruel G, Xu H, **Marsh N**, Cooke M, Rickard C. Determining the benefit of insertion and maintenance bundles for hospitalized patients in preventing peripheral intravenous catheter complications and bloodstream infection: A systematic review. Herston State of the Art Healthcare Symposium. September 2019
3. Wickins J, **Marsh N**. Does evening removal of indwelling urinary catheters compared to morning removal reduce the rate of urinary retention in the acute hospital setting: A systematic review. Herston State of the Art Healthcare Symposium. September 2019

Poster Presentations (cont)

4. Ray-Barruel G, Woods C, **Larsen E, Marsh N**, Ullman A, Rickard C. Perceptions and influences of decision-making for nurses conducting intravenous administration set replacement. Herston State of the Art Healthcare Symposium. September 2019
5. Gavin N, Sommerville M, Ullman A, Kleidon T, **Marsh N, Larsen E**, Campbell J, Mihala G, Rickard CM. Estimating prevalence of impaired skin surrounding devices in cancer care: the preliminary results of a prospective study. Herston State of the Art Healthcare Symposium. September 2019
6. Nicholas M, **Larsen E, Marsh N**, Mihala G, Groom P, Rickard CM. Improving peripherally inserted central catheter (PICC) insertion success and optimal placement with new technology: a retrospective cohort study. Herston State of the Art Healthcare Symposium. September 2019
7. Gavin N, Lippiatt R, Hayes T, Northfield S, Somerville M, **Larsen E, Marsh N**, Rickard C. Improving vascular access care for patients diagnosed with cancer. Herston State of the Art Healthcare Symposium. September 2019
8. Rickard CM, **Larsen E**, Mihala G, **Marsh N, Webster J**, Runnegar N. Bloodstream infections among patients with peripheral intravenous catheters: Incidence and risk with dwell time. Herston State of the Art Healthcare Symposium. September 2019
9. Choudhury MA, Sidjabat HE, Zowawi HM, **Marsh N, Larsen E**, Runnegar N, Paterson D, McMillian DJ, Rickard CM. Exploring the impact or peripheral intravenous catheter skin colonization of infection. Herston State of the Art Healthcare Symposium. September 2019
10. Cobbald L, Lack G, McIntyre C, August D, New K, Smith P, Takashima M, Koorts P, Foxcroft F, **Marsh N**, Ullman A. Difficult intravascular access (DIVA) in neonates: two case reports. Herston State of the Art Healthcare Symposium. September 2019
11. Lye I, **Marsh N**, Corley A, Rickard CM. Infections associated with vascular access devices in intensive care units across Australia. Herston State of the Art Healthcare Symposium. September 2019
12. Gavin N, Lippiatt R, Hayes T, Northfield S, Somerville M, **Larsen E, Marsh N**, Rickard C. Improving vascular access care for patients diagnosed with cancer. Cancer Nurses Society of Australia, 22nd Annual Congress, Melbourne, Australia.

Details of staff that completed their PhDs in 2019 within your department / research group

Name	Name of Project	Completed Date	University Affiliation
Dr Nicole Marsh	Prevention of peripheral intravenous failure	May 2019	Griffith University



Back row (L-R): Jennifer Palmer (RN, Intensive Care Services), Deanne August (Clinical Trial Coordinator), Tara Hutton (RN, Cancer Care Services), Catherine O'Brien (RN, Medical Imaging)

Front row (L-R): Dr Nicole Marsh (Nursing and Midwifery Director, Research), Sharon Ireland (Administration Officer), Prof Fiona Coyer (Professor of Nursing, Critical Care Services), Emily Larsen (Research Fellow, Vascular Access, Griffith University)