

2017

RBWH

RESEARCH REPORT

NURSING AND MIDWIFERY SERVICES

RBWH

celebrating

150
years

1867-2017



Queensland
Government

NURSING AND MIDWIFERY SERVICES



ADJ. PROF. ALANNA GEARY
Executive Director
Nursing and Midwifery Services
MNHHS

*Nursing and
Midwifery Services
is committed to
supporting nurses
and midwives to
become research
active*

Nursing and Midwifery Services is committed to supporting nurses and midwives to become research active. This includes promoting the use of best evidence in practice, supporting attendance at research or evidence based practice workshops, facilitating data collection, undertaking research higher degrees, leading local research studies, collaborating with other institutions in multi-site trials, establishing research positions and/or portfolios, or publishing results of completed studies. This year we have, again, had some outstanding outcomes, providing evidence that this commitment is extremely worthwhile. In 2017 we have had a record number of publications (32); a total of 19 higher degree students were supervised by our professorial staff; three nurses accepted RBWH research scholarships; four received RBWH project grants; one secured a post-doc fellowship grant; and we received competitive funding for 12 new studies. We have also attracted a number of new Honorary Research Fellows; academics who not only assist with our trials but also contribute to the development of research skills amongst our staff.

Last year we began negotiations with Griffith University to establish a new, joint senior research fellow position, which was to focus on vascular access teaching and research. I am delighted to report that negotiations were successful and the five-year position was filled in September. The incumbent, has a strong track record in vascular access research and already has a number projects in progress or in the planning stage. As with all of the studies conducted by our research staff, the primary aim of these projects is to improve patient outcomes.

One further initiative established in 2017 was the launch of a 'drop-in' research support space. Whether the problem is brainstorming a research idea, developing data entry and analysis skills, understanding how to publish a paper, or any associated research-related issue; nurses and midwives now have access to one-to-one mentorship with an experienced researcher. We will continue to grow this service and our ability to enhance the skills and expertise of our nurses and midwives.

With all the systems in place to facilitate ongoing research efforts, I look forward to another successful year in 2018.

NURSING & MIDWIFERY RESEARCH CENTRE

About this service

The Nursing & Midwifery Research Centre has developed an internationally recognised, investigator-initiated research program generating best evidence to improve patient outcomes by investigating cost-effective and clinically effective healthcare interventions. Success is achieved through close collaboration with other RBWH staff, with our partners at a number of universities, and with a wide range of other national and international health care facilities. We also have a strong focus on developing research skills amongst nurses and midwives. This is demonstrated through our supervision of higher degree students, our evidence based practice program, our commitment to employing RBWH nurses and midwives as research staff and our 'open door' policy for research advice, support and assistance.

Highlights of 2017

One of the ongoing programs for nursing research is intravenous access led by Professor Joan Webster at the RBWH for the AVATAR Group. For example, our NHMRC funded RCT, the RSVP trial, which compared 4-day with 7-day administration set changes was completed; we also conducted a prospective cohort study of 1,000 patients with a peripheral line to identify the incidence of complications and their associated risk factors; a pilot RCT comparing outcomes by an expert IV inserter compared with otherwise credentialed staff; and several smaller pilot studies. Our NHMRC funded, 4-site RCT (the PISCES trial), investigating securement dressing and devices to prevent central line catheter failure continues, as does a number of smaller IV-related projects. We also completed a second year of our 4-year NHMRC funded RCT (the DRESSING trial); which is the world's largest investigation into the effectiveness of negative pressure wound therapy.

Led by Professor Fiona Coyer a further area of nursing research continues to be skin integrity management in critically ill patients. The SUSTAIN study; a major study translating best-available pressure injury (PI) prevention strategies into the intensive care environment was completed. This study used a translational research model to assess barriers and enablers to PI prevention practices in the ICU. A number of strategies were then implemented to monitor their effectiveness through weekly patient skin integrity audits. Results showed reduction of PI in the ICU from 16% in the start of the study to 9% at completion. QBA data this October reported our ICU PI prevalence at just over 4%; a significant achievement.

Stroke rehabilitation has been the focus of Professor Theresa Green's research in 2017. The quantitative component of the BEEPRs study was completed, which was a MNHHS-study examining inpatient and outpatient rehabilitation services for patients and families living with stroke. The qualitative component will be completed early in 2018. A study that began late in 2017 will also examine post-stroke rehabilitation, with a focus on the effect of low intensity exercise on the expression of a neuroprotective peptide found in the brain post-stroke. The impact of a NP-led stroke clinic will be the focus of ongoing research heading into 2018.

Our success is evidenced by our high publication record, a combined output of 29 papers, two book chapters and one international report.



Nursing Research Group

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Hajar Alasmari	PhD, Queensland University of Technology (2012-2017)	Examining Intensive Care Nurses' Clinical decision-making associated with acute kidney injury and continuous renal replacement therapy in Saudi Arabia	Prof Ann Bonner, Prof Fiona Coyer
Sonia Hines	PhD, Queensland University of Technology	An educational intervention to improve nurses' research literacy	Prof Joe Ramsbotham, Prof Fiona Coyer
Sandra Johnston	PhD, Queensland University of Technology (2013-2020)	Effectiveness of high fidelity simulation as a teaching tool in undergraduate nursing education	Prof Fiona Coyer , Prof Robyn Nash
Samantha Yeates	Masters of Applied Science (Research), Queensland University of Technology(2017 only – withdrew)	Exploring tissue perfusion and healing trajectory of medical-device related pressure injuries	Prof Fiona Coyer , Kathleen Finlayson, Jill Campbell
Lizanne Dalglish	PhD, Queensland University of Technology (2017-2020)	The role of microcirculatory dysfunction and skin breakdown in the critically ill.	Prof Fiona Coyer , Dr Jill Campbell , Dr Kathy Finlayson, Prof Andra VanZundert
Adrianna Hada	PhD, Queensland University of Technology (2015-2021)	Transforming patient outcomes through improved and effective nursing clinical handover	Prof Fiona Coyer , Dr Leanne Jack
Paul Jarrett	PhD, Queensland University of Technology (2015-2021)	Administration of antibiotics in the intensive care unit	Prof Fiona Coyer , Assoc Prof Martin Christensen, Prof Jason Roberts
Priscilla Pather	Masters of Applied Science (Research), Queensland University of Technology (2014-2017)	The incidence and measurement of incontinence associated dermatitis in the intensive care environment	Prof Fiona Coyer , Dr Leanne Jack
Hannauh Rheault	Doctor Health Science, Queensland University of Technology (2014-2019)	Examining the health literacy and chronic disease self-management of remote Aboriginal Australians: A mixed method study	Prof Ann Bonner, Prof Fiona Coyer
Leanne Stone	Doctor Health Science, Queensland University of Technology (2014-2019)	Comparing "Magnet" attributes in nursing between Australia and the United States	Prof Alexandra McCarthy, Prof Fiona Coyer
Bryan Gregory	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	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	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	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	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	Developing and validating haemodialysis nurse-sensitive indicators	Prof Ann Bonner, Prof Fiona Coyer

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Cheryl Blaber	Masters of Applied Science (Research), Queensland University of Technology	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 , Assoc Prof John Rosenberg, Assoc Prof Jenny Fox
Pauline Nicholas	Masters of Applied Science (Research), Queensland University of Technology	Using brain training to improve cognition of patients on dialysis	Prof Ann Bonner , Prof Theresa Green
Hue Thi Hoang	Masters of Nursing (QUT)	What is the impact of gender on awareness of stroke symptoms and responses related to access to emergency stroke care services among Chinese patients with acute stroke?	Prof Theresa Green
Lan Van Huong	Doctor of Philosophy (QUT)	Exploring of family support for people receiving haemodialysis therapy in Vietnam	Prof Ann Bonner, Prof Theresa Green
Tain Lloyd	Masters of Applied Science (Research) QUT	Investigation of Chronic Kidney Disease and Stroke	Prof Ann Bonner, Prof Theresa Green , Assoc Prof Louise Purtell
Nicole Marsh	PhD, Griffith University (2015-2018)	Prevention of peripheral venous catheter failure	Prof Claire Rickard, Prof Joan Webster , Marie Cooke

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nicole Marsh	Research Fellow (RBWH and Griffith University)	Numerous IV access trials	Griffith University (2007 – present)
Emily Larsen	Project Manager/Honorary Research Fellow	Numerous IV access trials	Griffith University (2012 – present)
Julie Flynn	Project Manager	Numerous IV access trials	Griffith University (2011 – present)
Claire Rickard	Honorary Research Fellow	Numerous IV access trials	Griffith University (2007 – present)
Amy Spooner	Honorary Research Fellow	Cancer Care Research	QUT (2017-2020)
Amanda Ullman	Honorary Research Fellow	Numerous IV access trials	Griffith University (2014 – present)
Anne Bonner	Honorary Research Fellow	No current active projects with Nursing Services	QUT 2011 – present)
Jo Wu	Honorary Research Fellow	Cardiac research	University of Sunshine Coast (2017-2020)
Samantha Keogh	Honorary Research Fellow	Optimising PIVC patency through implementation of best flushing practice	Griffith University (2011 – present)
Caroline Shelverton	Honorary Research Fellow	STEP WEDGE trial	Griffith University (2016 – present)
Amanda Corley	Honorary Research Fellow	Critical Care Research	Griffith University (2017-2020)
Carol Reid	Honorary Research Fellow	No current active projects with Nursing Services	Griffith University (2013 – present)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Gillian Ray-Barruel	Honorary Research Fellow	I-Decided: A clinical decision-making tool for intravenous catheter assessment and safe removal	Griffith University (2015 – present)
Carol Windsor	Honorary Research Fellow	No current active projects with Nursing Services	QUT (2016 – present)
Monica Stankiewicz	Honorary Research Fellow	No current active projects with Nursing Services	Redcliffe Hospital (2014 – present)
Raymond Chan	Honorary Research Fellow	Nurse Navigator project	QUT/Metro North (2015 – present)
Sonya Osborne	Honorary Research Fellow	Nursing assessment project	QUT (2016 – present)
Kimberly Alexander	Honorary Research Fellow	No current active projects with Nursing Services	QUT (2015 – present)
Karen Ousey	Adjunct Associate Professor	Skin perfusion and microcirculation in critically ill patients	QUT (2015-2017)
Theresa Green	Visiting Research Fellow Fellow of the American Heart Association	Neurology/Neurosurgical Nursing Research	Gold Coast University Hospital (2017-2020) AHA (2017 - present)
Jessica Ingleman	Project Manager	The effect of time spent in a position on critically ill patient's skin: the EXTREME pressure 2 study. Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients.	QUT (2014-2018)
Jane-Louise Cook	Project Manager	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial. Translating evidenced-based pressure injury prevention into the intensive care environment: the SUSTAIN trial	QUT (2014-2018)
Anna Doubrovsky	Project Manager	Efficacy of Incontinence-Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.	QUT (2016-2018)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Theresa Green	Ms Tara Hormann Dr Tony Parker Dr Jonathon Peake A/Prof Gregory Bix	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy.
Theresa Green	Dr. Andrew Wong, Dr. Anna Farrell, Ms. Tara Hormann, Dr. Bernd Ploderer	An image-based tablet app to support communication of daily activity scheduling between patients with post-stroke aphasia, family and hospital staff
Theresa Green	Ms Jennifer Mueller, Dr. Andrew Wong, Ms. Sandy Jamieson	Post-acute NP-led stroke service delivery model: managing residual neurological issues and multiple chronic conditions post-stroke

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Fiona Coyer	Amanda Vann, Jane-Louise Cook, Nicola Barker-Gregory	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial.
Fiona Coyer	Anthony Holley, Peter Thomas, Christina Parker, Anna Doubrovsky, Chris Edwards, Jessica Ingleman	The effect of time spent in a position on critically ill patient's skin: the EXTREME pressure 2 study.
Fiona Coyer	Jill Campbell, Amanda Vann Greg McNamara, Jane-Louise Cook	Translating evidenced-based pressure injury prevention into the intensive care environment; the SUSTAIN study.
Fiona Coyer	Jill Campbell, Anna Doubrovsky	Efficacy of incontinence-associated dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial
Fiona Coyer	Kerri Coleman, Alison Mudge Helen Edwards, Patricia Sinasac, Kathleen Finlayson, C Parker, Jessica Schluter	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI)
Fiona Coyer	Anne Gardner Glenn Gardner Helen Gosby	Educating for health service reform: clinical learning, governance, and capability
Nicole Marsh	Joan Webster, Emily Larsen, C Cadigan, Marie Cooke, Claire Rickard	RELIABLE Trial (RELIable Intravenous Access By Line Experts)
Emily Larsen	Nicole Marsh, Nicole Gavin, Julie Flynn, Joan Webster	Cancer caRE: The risK factors of vEnous access failuRe (CareTaKER study)
Nicole Marsh	Joan Webster, Marie Cooke, Claire Rickard	<u>RE</u> placing <u>Peri</u> pheral <u>I</u> ntravenous <u>Cath</u> eters (REPLACE study).
Joan Webster	Emily Larsen, Nicole Marsh, Catriona Booker, Janelle Laws	Prophylactic insertion of large bore peripheral intravenous catheters in maternity patients for postpartum haemorrhage: A cohort study
Joan Webster	Sarah Northfield, Emily Larsen, Nicole Marsh, Claire Rickard, Raymond Chan	Insertion site assessment of peripherally inserted central catheters: Inter-observer agreement between nurses and patients.
Joan Webster	Paul Scuffham, Monica Stankiewicz, Wendy Chaboyer	Negative pressure wound therapy for surgical wounds healing by primary closure

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Rohan Grimley (Nambour Hospital)	Theresa Green (Internal Medicine) Ingrid Rosbergen (RBWH) Dr Suzanne Keys Dr Louise Gustafsson Dr Eleanor Horton Dr Benjamin Chen Greg Cadigan (Health Improvement Unit)	Building efficient and equitable pathways to and through rehabilitation in stroke
Alison Mudge	Adrian Barnett, Merrilyn Banks, Ruth Hubbard, Prof Nick Graves, Dr Nancye Peel, Assoc Prof Kwang Lim, Dr Irene Blackberry, Prof Theresa Green , Prue McRae Jessica Suna, Adrienne Young	Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital
Anna Grant	Prof Fiona Coyer	Contextual barriers and facilitators to research utilisation and evidence based practice in intensive care – The COFACTOR Study
Veeranjit Singh	Prof Fiona Coyer Johnathan Collins	Audit of pressure injury development in critically ill patients with C-spine precautions – (INSPECT)
Jennifer Paratz (GU)	Comans T, Geoff Mitchell Robert Boots (intensive Care Services) Prof Fiona Coyer (Intensive Care Services) Peter Thomas (Physiotherapy)	Improving outcome in sepsis
Neha Kumta (UQ)	Prof Fiona Coyer (Intensive Care Services), Lizanne Dalgleish (QUT)	Audit of peri-operative factors associated with pressure injury development in post-surgical ICU patients – (PREDICT)
Julian de Looze (RBWH)	Charles Denaro, Keshwar Babool, Alison Mudge, Jeffrey Lipman, Robyn Fox , Joan Webster , Thea-Grace Collier, Peter Buttrum, Peter Thomas, Mary Fenn	Patients of concern at the RBWH – a prospective cohort study to define patient outcomes and risk of clinical deterioration
Gillespie B, (Griffith)	Webster J , Elwood D, Whitty J, Thalib L, & Cullum N, Chaboyer W	Adding negative pRESSure to improve healing (the DRESSING trial. National Health and Medical Research Council
Rickard C, (Griffith)	Marsh N , Gavin N, Ware R, Ullman A, Fraser J, Lawley M	Clinical Registry Partnership-Developing a central venous access device registry as a research and health improvement platform.
Ullman AJ, (Griffith)	Marsh N , Mihala G, O’Leary K, Rickard C	Skin Care Project
Rickard C, (Griffith)	Larsen E , Marsh N , McCarthy A, Kleidon P, Zhang L, Ullman A, Edwards R	Controlling device Occlusion and infection by ConnectOr design And decontamination (The COCOA pilot trial)
Rickard CM, (Griffith)	Marsh N , Ullman AJ, Kleidon T,	Secure My Intravascular Line Effectively (SMILE).

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Rickard CM, (Griffith)	Zhang L, Marsh N , Ullman A, Kleidon T, Cooke M, McCarthy A, Mollee P, Mervin C, Playford G	To establish a Platform for RCTs of needleless connectors.
Castillo I (Griffith)	Marsh N , Rickard CM, Carr P, Jackson G, Cooke M, Wallis M	Integrated versus nOn-integrated Peripheral inTravenous catheter. Which Is the most clinical and cost-effective systeM for peripheral intravenoUs catheter Management? (The OPTIMUM trial).
Rickard C (Griffith)	Marsh N, Webster J, Gavin N , Chan R, McCarthy A, Mollee P, Kleidon T, Chopra V, Zhang L, McGrail M, Larsen E, Choudhury Md.	Peripherally InSerted CEntral catheter dressing and Securement in cancer patients: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial
Zhang L (Griffith)	Rickard C, Cooke M, , Webster J, Marsh N , Mollee P, McCarthy A, Keogh S, Mervin C	Prevention of central venous catheter infection and occlusion by needleless connector design and disinfection in haematology-oncology patients.
Kildea S (UQ)	Martensson L, Stapleton H, Homer C, Webster J , Beckman M	ICARIS Trial: Impact on CAesarean section Rates following Injections of Sterile water
Zena Moore	Joan Webster	Dressings and topical agents for the prevention of pressure ulcers

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Nicole Marsh	Travel Bursary – Alliance for Vascular Access Teaching and Research Group	Australian Vascular Access Scientific Meeting
Fiona Coyer	EPUAP and 3M Pressure Ulcer Prevention Innovation Conference presentation award	European Pressure Ulcer Advisory Panel conference Belfast, September 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Theresa Green Ms Tara Hormann (Stroke) Dr Tony Parker (QUT), Dr Jonathon Peake (QUT), A/Prof Gregory Bix (USA)	Department of Internal Medicine	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy.	RBWH Foundation	\$40,000	\$40,000 (2017-18)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Theresa Green, Dr. Andrew Wong, Ms. Sandy Jamieson	Department of Internal Medicine	Post-acute NP- led stroke service delivery model: managing residual neurological issues and multiple chronic conditions post- stroke	QUT Pilot Grant Funding	\$25,000	\$25,000 (2017)
Fiona Coyer, Jane-Louise Cook, Amanda Vann, Nicola Barker- Gregory	Intensive Care Services Department	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device- related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial.	Wound Management Innovation Centre for Research Collaboration	\$51,509	\$299,000 (2015- 2018)
Coyer F, Edwards H, Coleman K, Sinasc P, Finlayson K, Parker C, Schluter J, Mudge A.	Intensive Care Services Department	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI).	Health Innovation, Investment and Research Office (HIRRO), Queensland Health.	\$120,000	\$120,000 (2017)
Coyer F, Campbell J, Doubrovsky A.	Intensive Care Services Department	Efficacy of Incontinence- Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.	3M	\$158,562	\$158,562 (2017- 2018)
Marsh N, Webster J, Cooke M, Rickard C,	Nursing & Midwifery Research Centre	RELIABLE Trial (RELIable Intravenous Access By Line Experts)	RBWH Foundation	\$40,000	\$40,000 (2017)
Julian de Looze, Charles Denaro, Keshwar Babool, Alison Mudge, Jeffrey Lipman, Robyn Fox, Joan Webster, Thea- Grace Collier, Peter Buttrum, Peter Thomas, Mary Fenn	Nursing & Midwifery Research Centre	Patients of concern at the RBWH – a prospective cohort study to define patient outcomes and risk of clinical deterioration	RBWH Foundation	\$40,000	\$40,000 (2017- 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Rickard C, Ware R, Ullman A, Marsh N , Gavin N, Fraser J, Lawley M	Nursing & Midwifery Research Centre	Clinical Registry Partnership- Developing a central venous access device registry as a research and health improvement platform	Menzies Health Institute QLD Incentive Quality Development Scheme	\$20,000	\$20,000 (2017-2018)
Ullman AJ, Marsh N , Mihala G, O'Leary K, Rickard C	Nursing & Midwifery Research Centre	Skin Care Project	School of Nursing and Midwifery Griffith Grant.	\$7,000	\$7,000 (2017-2018)
Rickard C, McCarthy A, Kleidon P, Larsen E , Zhang L , Ullman A, Marsh N , Edwards R	Nursing & Midwifery Research Centre	Controlling device Occlusion and infection by ConnectOr design And decontamination (The COCOA pilot trial)	Nursing and Midwifery Research (Experience Researcher) Fellowship Grant	\$60,000	\$120 000 (2017-2019)
Larsen E , Marsh N , Gavin N , Flynn J , Webster J	Nursing & Midwifery Research Centre	Cancer caRE: The risk factors of vEnous access failuRe (CareTaKER study)	RBWH and RBWH Foundation Research Project Grant	\$37,926	\$37,926 (2017-2018)
Zhang L , Rickard C, Webster J , Cooke M, Mollee P, McCarthy A, Keogh S, Mervin C, Marsh N	Nursing & Midwifery Research Centre	Prevention of central venous catheter infection and occlusion by needleless connector design and disinfection in haematology-oncology patients	Cancer Council Queensland	\$100,000	\$200,000 (2017-2019)
Clint Douglas Sandy Middleton Glenn Gardner Patrick Kelly Rachael Morton Elizabeth McInnes Carol Windsor Robyn Fox Catriona Booker Alanna Geary	QUT School of Nursing & Metro North Hospital and Health Service	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	NHMRC funding \$1,069,267.86	\$2.1M (2018-2020)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Johnson S, Coyer F , Nash R. Simulation debriefing based on transfer of learning principles: A pilot study. Nurse Education in Practice. 2017. 26:102-108.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Coyer F , Clark M, Slattery P, Thomas P, McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K. Exploring pressures, tissue reperfusion and body positioning: A pilot evaluation. <i>Journal of Wound Care</i> . 2017. 26(10):1-10.
Journal Article	Cook JL, Coyer F , Vann A, Campbell J, McNamara G, Lost in Translation? Interpreting universal pressure injury guidelines into a practical reference for intensive care. <i>Aust Crit Care</i> . 2017. 30(2):113.
Journal Article	Dunstan E, Coyer F . A survey of safety culture in two Australian tertiary hospital intensive care units: The SCATH-ICU study. <i>Aust Crit Care</i> . 2017. 30(2):115.
Journal Article	Pather P, Kynoch K, Hines S, Coyer F . The effectiveness of topical skin products in the treatment and prevention of incontinence-associated dermatitis: A systematic review. <i>JBI Database of Systematic Reviews and Implementation Reports</i> . 2017. 15(5):1473-1496.
Journal Article	Coyer F , Tayyib N. Pressure ulcer risk factors in the intensive care unit; a systematic review protocol. <i>BMC Systematic Reviews</i> . 2017. 6:58. DOI:10.1186/s13643-017-0451-5
Journal Article	Coyer F , Lipman J. Professorial clinical units: advancing research in the intensive care unit via the integration of a nursing professor. <i>ICU Management & Practice</i> . 2017. 17(1):50-2.
Journal Article	Coyer F , Gardner A, Doubrovsky A. An interventional skin care protocol (InSPiRE) to reduce incontinence-associated dermatitis in intensive care patients; a before and after study. <i>Intensive and Critical Care Nursing</i> . 2017. 40:1-10.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Student facilitation of simulation debrief: Measuring reflective thinking and self-efficacy. <i>Teaching and Learning in Nursing</i> . 2017. 12(2):128-135.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Validation of a reflective thinking instrument for third year undergraduate nursing students participating in a high fidelity simulation. <i>Reflective Practice: International and Multidisciplinary Perspectives</i> . 2017. 18(2):219-231.
Journal Article	Tutticci N, Ryan M, Coyer F , Lewis P. Collaborative facilitation of debriefing after high fidelity simulation and its implications for reflective thinking: student experiences. <i>Studies in Higher Education</i> . Available online 30 January 2017 http://dx.doi.org/10.1080/03075079.2017.1281238
Journal Article	Coyer F , Miles S, Fulbrook P, Gosley S, Sketcher-Baker K, Cook JL, Whitmore J. Pressure injury prevalence in intensive care versus non-intensive care patients: A state-wide comparison. <i>Australian Critical Care</i> . 2017. 30:244-250. Doi: http://dx.doi.org/10.1016/j.aucc.2016.12.003
Journal Article	Tayyib N, Coyer F . Translating pressure ulcer prevention bundle into intensive care nursing practice; overlying a care bundle approach with a model of research implementation. <i>Journal of Nursing Care Quality</i> . 2017. 32(1):6-14.
Book Chapter	Green, TL . (in press). Surgical Interventions for Severe Stroke: impact on quality of life, caregiver burden and family outcomes. In Watson, R. (Ed). <i>Lifestyle in Heart Health and Disease</i> .
Book Chapter	Green, TL . (2017). Chapter 10: Rehabilitation Nursing. In J. Hinkle and K. Cheever (Eds), <i>Brunner & Suddarth's Textbook of Medical-Surgical Nursing</i> , 14th Ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins.
Journal Article	Lutz, B., Green T . Nursing's Role in Addressing Palliative Care Needs of Stroke Patients. <i>Stroke</i> , 47(12): e263-e265; Stroke_2017_013282R1 .
Report	Beeckman D, Van den Bussche K, Alves P, Beele H, Ciprandi G, Coyer F , de Groot T, De Meyer D, Dunk AM, Fouri A, García-Molina P, Gray M, Iblasi A, Jelnes R, Johansen E, Karadag A, Leblancq K, Kis Dadara Z, Long MA, Meaume S, Pokorna A, Romanelli M, Ruppert S, Schoonhoven L, Smet S, Smith C, Steininger A, Stockmayr M, Van Damme N, Voegeli D, Van Hecke A, Verhaeghe S, Woo K, Kottner J. The Ghent Global IAD Categorisation. Tool (GLOBIAD). Skin Integrity Research Group - Ghent University 2017. Available to download from www.UCVGent.be
Journal Article	Marsh N, Webster J , Cooke M, Rickard CM. The RELIABLE pilot randomised controlled trial: comparing peripheral intravenous catheter insertion by experts with a generalist insertion approach. <i>J Vasc Access</i> . 2017. 3(2):3-7.
Journal Article	Marsh N, Webster J , Cooke M, Rickard C. Observational study of peripheral venous catheter outcomes in adult hospitalized patients: a multivariate analysis of peripheral intravenous catheter failure. <i>Journal of Hospital Medicine</i> . DOI 10.12788/jhm.2867.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Whitty J, McInnes E, Bucknall T, Webster J , et al. The cost-effectiveness of a patient centred pressure ulcer prevention care bundle: findings from the INTACT cluster randomised trial. <i>Int J Nurs Stud.</i> 2017. 75:35-42.
Journal Article	Rickard CM, Marsh N, Webster J , Gavin NC et al. Peripherally Inserted Central catheter dressing and Securement: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial. <i>BMJ Open.</i> June 2017;7:e015291
Journal Article	Webster J, Larsen E, Marsh N , Md Abu Choudhury Md Abu, Harris P, Rickard C. Chlorhexidine gluconate or polyhexamethylene biguanide disc dressing to reduce the incidence of Central-Line-Associated Blood Stream Infection: a feasibility randomized controlled trial (the CLABSI trial). <i>Journal of Hospital Infection.</i> 2017. 96(3):223-228.
Cochrane Review	Derwin R, Moore ZEH, Webster J . Hydrocolloid dressings for donor sites of split thickness skin grafts. <i>Cochrane Database of Systematic Reviews</i> 2017, Issue 4.
Journal Article	Webster J , Bucknall T, Wallis M, McInnes E, Roberts S, Chaboyer W. Does participating in a clinical trial affect subsequent nursing management? Post-trial care for participants recruited to the INTACT pressure ulcer prevention trial: A follow-up study. <i>Int J Nurs Stud.</i> 2017. 71:34-38.
Journal article	Webster J, Larsen E, Booker C, Laws J, Marsh N . Prophylactic insertion of large bore peripheral intravenous catheters in maternity patients: A cohort study. DOI: 10.1111/ajo.12759
Journal article	Webster J, Northfield S, Larsen E, Marsh N , Rickard C, Chan R. Insertion site assessment of peripherally inserted central catheters: Inter-observer agreement between nurses and inpatients. <i>JVA-D-17-00247R1</i>
Journal Article	Marsh N, Webster J , Rickard CM. Devices and dressings to secure peripheral venous catheters to prevent complications. <i>Int J Nurs Stud.</i> 2017. (67): 12 – 19.
Journal Article	Chan RJ, Northfield S, Larsen E, Mihala G, Ullman A, Hancock P, Marsh N, Gavin N, Wyld D, Allworth A, Russell E, N, Flynn J, Rickard CM. Central venous access device securement and dressing effectiveness for peripherally inserted central catheters in adult acute care patients: A pilot RCT. <i>Trials.</i> Oct 2017. 18:458, DOI: 10.1186/s13063-017-2207-x.
Journal Article	Keogh S, Shelverton C, Flynn J, Davies N, Marsh N , Rickard CM. An observational study of nurses' intravenous flush and medication practice in the clinical setting. <i>Vascular Access.</i> 2017. 3(1): 3-10.
Journal Article	Choudhury N, Sidjabat, Rathnayake I, Gavin N, Chan R, Marsh N , Banu S, Huygens F, Paterson DL, Rickard CM, McMillan D. Culture independent detection of chlorhexidine resistance genes qacA/B and smr in bacterial DNA recovered from at body sites treated with chlorhexidine containing dressings. <i>Journal of Medical Microbiology.</i> 2017. 66(4):447-453.
Journal Article	Choudhury Md, Wallan A, Sidjabat H, Zhang Li, Marsh N , Rickard CM, Davies M, McMillan D. Draft genome sequence of <i>Roseomonas mucosa</i> strain AU37, isolated from a peripheral intravenous catheter. <i>Genome Announcements.</i> 2017. 5(15): e00128-17.
Journal Article	Larsen E , Keogh S, Marsh N , Rickard C. Adult medical and surgical patients' experiences of peripheral IV insertion in hospital: A qualitative study. <i>Br J Nurs.</i> 2017 Oct 26;26(19):S18-S25.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Speaker	Green T . Taking action for optimal community and long term stroke care. 2017. International Stroke Conference, Houston, Texas, February 2017
Invited Speaker	Green T . Canadian Stroke Congress. Transitions of Stroke Care, A Tale of Two Cities. Calgary Canada September 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Speaker	Green T. Canadian Stroke Congress, Overcoming Barriers and Challenges in Patient Transitions of Care. Calgary Canada September 2017.
Oral	Coyer F. Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, Brisbane, March 2017
Invited Speaker	Coyer F. Device related pressure injuries: Incontinence associated dermatitis. 3M Cavilon Advanced Skin Protectant Launch Event: Spotlight on Infection Wounds Australia Study Day. 4 November 2017, Perth.
Invited Speaker	Coyer F. PI Prevention in Complex Critically ill Patients. Falls, Fractures & Pressure Injuries Management Conference, 2-3 November 2017, Melbourne.
Invited Speaker	Coyer F. Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. Winner EPUAP & 3M Pressure Ulcer and IAD Innovation Award. EPUAP 2017: The 19th Annual Meeting of the European Pressure Ulcer Advisory Panel, 20-22 September 2017, Belfast, Northern Ireland.
Invited Speaker	Coyer F. Skin management for the critically ill patient – a skin bundle approach (PI and IAD). China Wound Ostomy Continence Nursing Conference, 21-26 August 2017, China.
Invited Speaker	Coyer F. Incontinence-associated dermatitis best practice. China Wound Ostomy Continence Nurses Association 15th Congress 24 August 2017. Xi'an, China.
Invited Speaker	Coyer F. Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. WCICT 2017 Wound Care From Innovations to Clinical Trials Conference, 20-21 June 2017, Manchester, UK.
Invited Speaker	Coyer F. Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, 15 March 2017, RNA, Brisbane.
Invited Speaker	Coyer F. Pressure Ulcer Prevention Clinical Evidence. PIP Educational Week, 28-30 November 2017, Dubai and Abu Dhabi
Invited Speaker	Marsh N. The Peripheral Intravenous Catheter Journey – a Prospective Cohort Study of 1000 Patients. Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. How often should Infusion Tubing be Replaced to Prevent Infection? Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. Evidence Overview for Tissue Adhesive on Vascular Access Devices. Who, What and When? Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. Secure my Intravenous Line Effectively – (the SMILE trial). Innovative peripheral intravenous (PIV) dressing techniques to reduce PIV failure. Association for Vascular Access (AVA) Conference 2017, Arizona.
Oral	Rickard CM, Marsh N , Larsen E, Corley A, Spooner A Fraser J, Davis C, Lepelaar S, Long D, Roberts B, Baker S, Gill F, Gowardman J, Murgo M, Alexandrou E, Palermo A, Regli A, McGrail M, Runnegar N. Intravenous administration set (infusion tubing) replacement every 4 or 7 days is equally effective to prevent bloodstream infections (RSVP Trial). Australia New Zealand Intensive Care Society, 2017, Melbourne. *Best safety and quality paper*
Oral	Marsh N. Life cycle of peripheral intravenous catheters – a prospective cohort study of 1000 patients. The Australian Vascular Access Society 2nd Scientific Meeting, 2017, Perth.
Posters	Webster J , Northfield S, Larsen E, Marsh N , Rickard CM and Chan R. Inter-rater reliability of a peripherally inserted central catheter insertion site between nurses and patients using the PICC-SAT. The Australian Vascular Access Society 2nd Scientific Meeting, 2017, Perth.
Poster	Larsen E, Rickard C, Webster J , Marsh N. Administration sets/infusion tubing: How often should they be changed to prevent CRBSI? Australasian College for Infection Control and Prevention Conference, Nov 20 – 22 Canberra 2017
Poster	Haitham Tuffaha, Joshua Byrnes, Nicole Marsh , Nicole Gavin, Joan Webster , Marie Cooke, Claire Rickard. The burden of vascular access devices used in public hospitals in Queensland. A&NZ 10th Health services and Policy Research Conference; 1-3 Nov, Gold Coast

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Webster J, Northfield S, Marsh N, Larsen E , Rickard CM, Chan R. Excellent inter-rater agreement of peripherally inserted central catheter insertion condition between nurses and patients using the PICC-SAT Australasian College for Infection Control and Prevention Conference, Nov 20 – 22 Canberra 2017 site (Top Ranking Abstract)
Poster	Moore Z, Webster J . Dressings and topical agents to prevent pressure ulcers. European Pressure Ulcer Advisory Panel conference. Belfast, Ireland 20 -22 September 2017

Other communications and outputs:

Green T., Ploderer B., Hormann T., Farrall A., Aphasia Study – on QUT website: <https://www.qut.edu.au/science-engineering/our-schools/school-of-electrical-engineering-and-computer-science/computer-human-interaction>

