



RESEARCH SERVICES

RESEARCH EXECUTIVE DIRECTOR REPORT



Merrilyn Banks
Executive Director
Research Services

Research at the Royal continues to grow as demonstrated in this review of the outcomes from 2019. There were 476 staff that identified as having a research role at RBWH, leading close to 700 individual research projects and collaborating in another 500 research projects. Over 300 students undertaking research projects at an honours, masters or doctorate level were supervised, and 16 staff completed their PhDs!

Our researchers received \$40 million for conducting research in 2019. Over 900 research articles were published in peer reviewed journals and our researchers presented over 1000 oral or poster presentations at national and international conferences.

Research Services is committed to working with our clinician researchers to continue to further grow research capacity and capability through making research processes easier and improving access to resources to conduct research. The RBWH Research Council is made up of key Service Line and individual researchers who provide advice on improving research at the Royal.

RBWH RESEARCH COUNCIL



Back row (L-R): Emma Raymond (*Research Services*), Sunil Lakhani (*Pathology Qld*), Gordon McGurk (*HREC*), Leah Hoppe (*Research Services*), Jye Smith (*Nuc.Med*), Marita Prior (*Med. Imaging*), Ian Parker (*Allied Health*), Robert Tindle (*Research Advisor*), Niall Higgins (*Mental Health*), Nicole Marsh (*Nursing*)

Front row (L-R): Louise Cullen (*Emergency Medicine*), Leonie Callaway (*Women's and Newborn*), Merrilyn Banks (*Research Services – Chair*), Victoria Eley (*Anaesthetics*), Helen Healy (*Renal Medicine*)

Absent: Jeff Lipman, David Cavallucci, David Paterson, Adrienne Young, Tara McCurdie, Katie Foxcroft, Steven Lane, Therese Starr, Kevin Laupland, Michael Schuetz, Callum Tear, Kaelah Bosanquet, Rebekah Steele

RESEARCH ETHICS & GOVERNANCE

The RBWH Human Research Ethics Committee (HREC) is one of 50 HRECs in Australia whose processes have been certified by the National Health and Medical Research Council to review in a wide range of research categories. These categories include clinical trials, interventional and qualitative research. The HREC can also review in the categories of research involving First Nations Peoples; Data Linkage; and paediatric research, by virtue of having or having access to the required expertise.

The HREC has around 35 members from a variety of backgrounds whose diverse expertise allows a rigorous yet practical review of applications. The HREC is constantly improving its review processes and is currently trialing a dynamic review process which will minimise the number of comments that need to be considered post-meeting. The Committee uses research expertise from within the RBWH to assist with reviewing low risk applications, thereby building the expertise and capacity of hospital researchers.

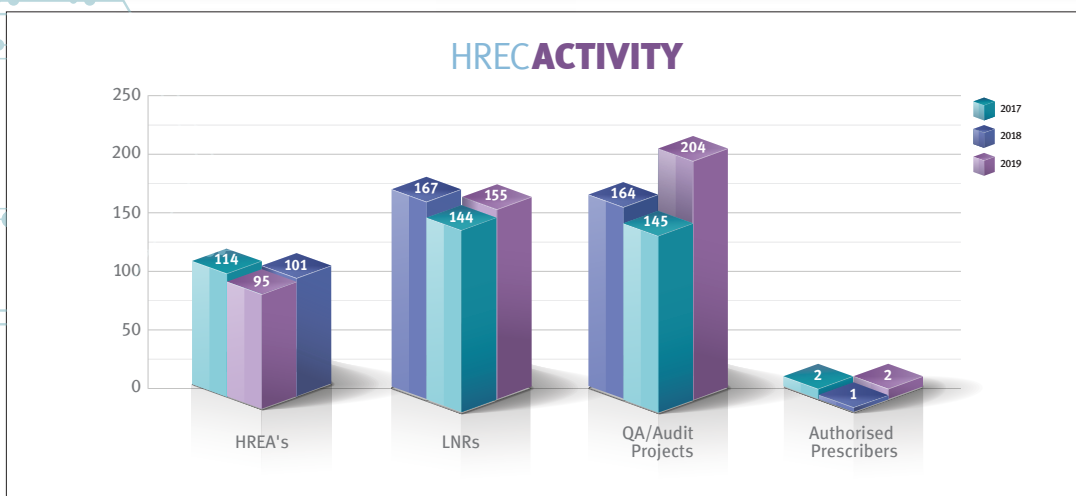
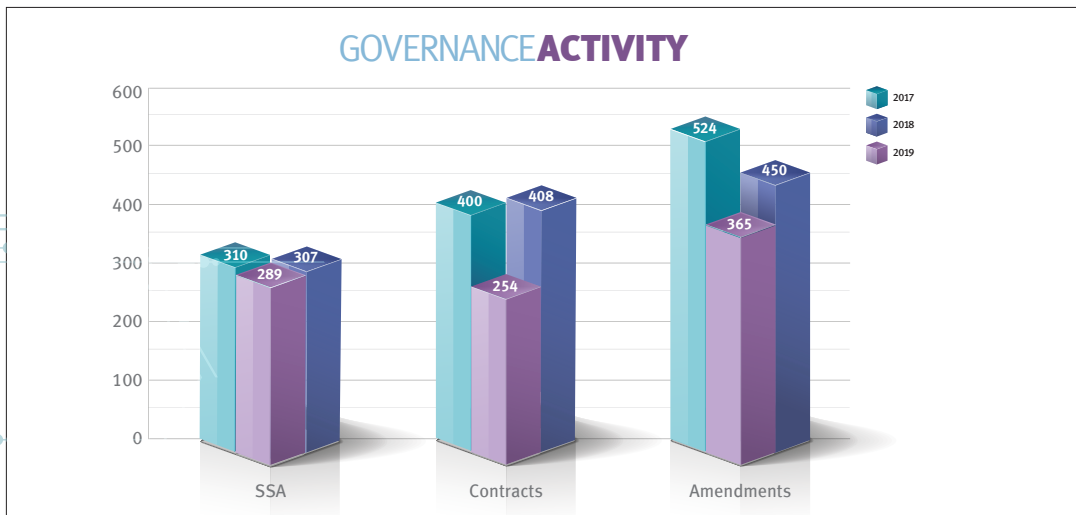
The mean approval times are well within the timeframe of 30 days which is accepted round Australia as the gold standard. Further changes to processes will decrease this time further. The HREC welcomes input into how to make processes more efficient to meet the needs of patients, participants in research and researchers.

HREC Members for 2019

Name	Role	Name	Role
Dr Gordon McGurk	Chairperson	A/Prof Jeremy Cohen	Practitioner
Ms Lorelle Whittaker	Layperson	A/Prof Glen Kennedy	Practitioner
Ms Lauren Milner	Layperson	Dr Akwasi Amoako	Practitioner
Mrs Lorna Heaslop	Layperson – Retired Practitioner	Dr Thangeswaran Rudra	Practitioner
Ms Glenys Frederiksen	Layperson	Ms Erika Vardanega	Research Nurse – Clinical Trial Coordinator
Mr John McDonnell	Layperson	Ms Ngaire Latch	NUM, Sexual Health and HIV Service
Mr Sumit Desai	Layperson	Most Rev William Morris	Religious Representative
Dr Kylie Wall	Speech Pathologist	Rev/Dr Mervyn Lander	Religious Representative
Prof Pauline Ford	Dentist	Mr Shane Evans	Alternate Lawyer
Ms Okgi Sargent	Registered Nurse	Ms Sonja Read	Alternate Lawyer
Adj A/Prof Angela White	Clinical Psychologist	Mr Edward Hooper	Alternate Lawyer
Ms Patricia Cabrera	Lawyer	Ms Nicole Morgan	Alternate Lawyer
Ms Champika Pattullo	Pharmacist and Researcher	Ms Kristi Geddes	Alternate Lawyer
Ms Emma Savage	Researcher	Ms Cara Black	Lawyer
Ms Kate Lingard	Researcher	Ms Lisa Pomery	IT Expert
Dr Rodney Cusack	Researcher	Dr Peter Glazebrook	Science Advisor

Research governance is the process whereby institutions ensure that research conducted under their auspices are properly accounted for and governed. At the Royal Brisbane and Women's Hospital we review nearly 300 site specific assessment applications each year. Due to the breadth and depth of the research conducted at our institution, our governance reviews are often large, complex, and involve multiple institutions.

Our team includes a full-time Research Governance Manager, 0.5 FTE Research Support Officer and full-time Administration Officer. We support research by facilitating research agreements with collaborators, providing one-on-one research governance advice, as well as offer research ethics and governance clinics where we provide advice to researchers about ethics and governance requirements. We encourage parallel submission for research ethics and governance applications and work closely with the Ethics team and researchers to ensure timely processing and approval timeframes.



RESEARCH SERVICE TEAM



Left-Right: Emma Raymond (*Business Manager*), Tayler Griffin (*Administration Officer, HREC*), Rebekah Steel (*Research Governance Manager*), Ann-Maree Gordon (*Coordinator, HREC*), Mamta Tanwar (*Assistant Coordinator, HREC*), Monique Johnson (*Administration Officer, RGO*), Merrilyn Banks (*Executive Director, Research*), Therese Starr (*Research Coordinator*), Janani Balakrishnan (*Research Support Officer*), Leah Hoppe (*Executive Support Officer*)

Absent: Professor Jeffrey Lipman (*Research Ambassador*), Gordon McGurk (*Chairperson HREC*), Marita Prior (*Research Coordinator*)

RBWH & RBWH FOUNDATION RESEARCH ADVISORY COMMITTEE

The 2019 Membership included:




Prof Gerard Byrne – Chair	Internal	Dr Rachel Walker	External
Adjunct Professor Merrillyn Banks	Internal	Prof Claire Rickard	External
Adjunct Associate Prof Ian Coombes	Internal	Prof Joan Webster	External
Prof Sandra Capra	External	Prof Helen Healy	Internal
Prof Grant Ramm	External	Prof Jeff Lipman	Internal
Prof Robert Ware	External	Prof Frank Gardiner	External
Prof David Paterson	Internal / External		

In 2019 the RBWH received an astounding \$2,400,000.00 towards scholarships, project grants and fellowships, including \$1,500,000.00 received via the Private Practice Trust fund and \$900,000.00 from the RBWH Foundation.

Scholarships are awarded on a competitive basis to clinicians undertaking a research higher degree and are awarded for three years with renewals dependant on successful progress. In 2019, 14 new and 19 renewal scholarships were awarded.

Project grant funding of up to \$40,000 was awarded to ten early career researchers and 15 experience researchers after a competitive grant application process that had over 140 applications. Three fellowships of \$50,000 for two years were also awarded to researchers who recently completed their PhD's.

RBWH Foundation Robert and Janelle Bird Post-Doctoral Fellows (2019-2020):

Name	Title	Summary
 Elise Button	IDENTIFY Study Identifying people with a haematological malignancy who are at risk of deteriorating and dying	People with haematological malignancies often experience suboptimal care near the end of life due to an unpredictable illness trajectory. This research will help us to understand who is at risk of dying and explore the provision of best-practice care near the end of life. A prospective prognostic study will validate previously developed clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy.
 Jill Campbell	Towards improved understanding of incontinence in the acute care setting; A multisite exploratory study	The research program will provide foundation data to address gaps in understanding the burden and predictors of incontinence, hospital-acquired incontinence and incontinence-associated complications within the hospital setting. In addition, the research program will explore the continence care experience of older inpatients. The results of these studies will inform a larger multicomponent intervention trial with the aim of advancing the provision of gold standard continence care in the hospital setting.
 Victoria Eley	Improving the accuracy of perioperative bloodpressure monitoring in obese patients	Standard rectangular blood pressure cuffs are the wrong size and shape for obese patients. Use of these cuffs can provide inaccurate measurements and compromises the perioperative care of obese patients. The ClearSight™ finger cuff avoids the problems of arm shape but has not been tested in obese patients. The equipment requires validation in obese patients prior to clinical use. The projects undertaken during this Fellowship aim to validate the ClearSight™ finger cuff in obese pregnant and non-pregnant patients. Translation into clinical practice will improve the perioperative care of obese patients who make up an increasing proportion of surgical patients at the RBWH. By providing funding for these two projects, The Robert and Janelle Bird Post-Doctoral Fellowship was instrumental in facilitating A/Prof Eley being awarded \$100 000 from the Australian and New Zealand College of Anaesthetists in the form of an Academic Enhancement Grant, to further expand this program of research.

HERSTON STATE OF THE ART HEALTHCARE SYMPOSIUM

The annual healthcare symposium was in its 28th year and was an opportunity to showcase the facilities strengths in both research and innovation. It was a time to strengthen partnerships and reinforcing the commitment to provide a wealth of opportunities for physicians, nurses, health professionals, researchers and students. 2019 saw the symposium work closely with our academic and research partners, The University of Queensland, Queensland University of Technology, QIMR Berghofer Medical Research Institute and Griffith University. The RBWH Foundation also played a huge part, not only with financial support, but also providing the opportunity to liaise with RBWH consumers. The vision for 2019 Symposium was to showcase the facilities and potential of Herston as a Campus as we move into the future.

The Symposium was a huge success, with over 3000 registrations over the four days. It showcased the advancements and innovations of technology and how it could assist in health care.

As a novel way of presenting all the posters were an electronic format, with abstract Q&A sessions and orals presented via the online portal ZOOM with the ability to ask questions via Slido. A record breaking 194 abstracts were submitted with 28 selected for online oral presentations accompanying its ePoster. These were designed to showcase just some of the research projects that have been underway across the campus and highlight the advancements of which both the Herston Campus and our partners are making. Social media was also utilised for the event, with promotion occurring on both Facebook and Twitter as well as through the RBWH/Metro-North Communications Team.

A final new achievement was through a Digital signage that was placed throughout the hospital displaying the ePosters and broadcasting the online component of the program.

This year seven awards were given to staff for the following categories:

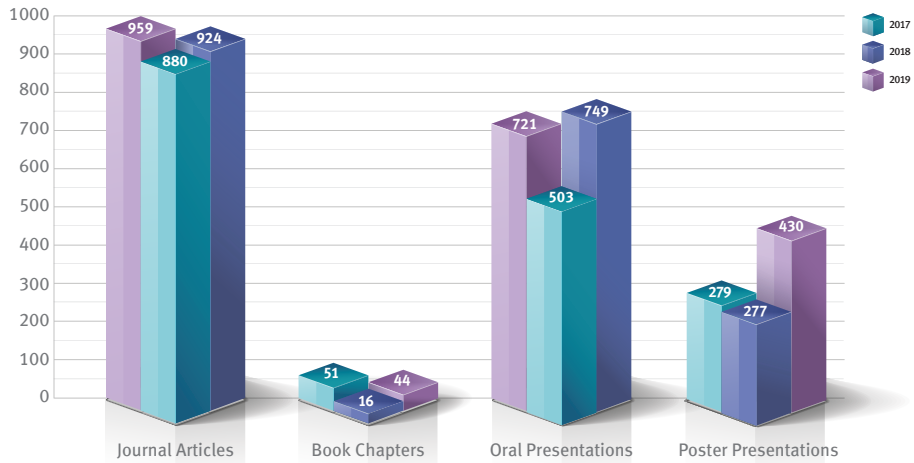
- **RBWH Foundation Best overall** – *Dr Andrew Redmond*: Penicillin allergy need not be forever
- **Discovery and Innovation Research Award** – *Suzanne Parker*: Translating innovation in microsampling into a clinical pharmacokinetic study of vancomycin in critically ill patients
- **The Professor Lawrie Powell AC Early Career Research Award** – *Martha Druery*: Health-Related Quality of Life outcomes post-major burn injuries in adults – a longitudinal exploratory study
- **Health Practitioners Research Award** – *Anna Edwards*: Nutrition outcomes post implantation of a pre-treatment model of care for patients with head and neck cancer receiving chemoradiotherapy.
- **Dr Stephen Morrison Clinical Research Award** – *Cathy Liu*: Gestational age at diagnosis of asymptomatic short cervix and preterm birth risk
- **Nursing Research Award** – *Dr Nicole Gavin*: Estimating Prevalence of Impaired Skin surrounding Devices in cancer care: the preliminary results of a prospective study
- **The Professor William Egerton Award for Medical Research** – *Maggie Keys*: The volume of polyethylene terephthalate plastic – PET – accumulated in one day of surgical operations at RBWH: a pilot audit.

SYMPOSIUM 2019

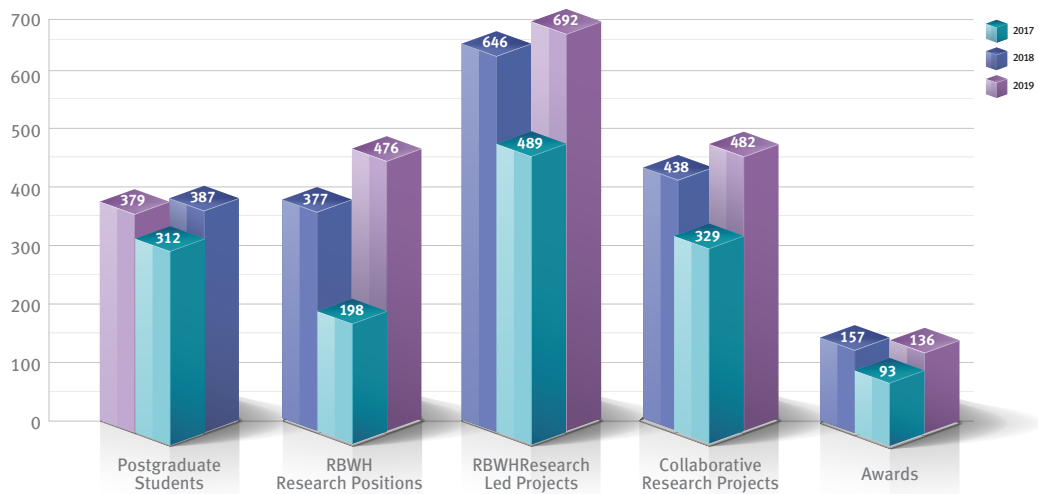


RBWH RESEARCH OUTPUT

PUBLICATIONS



RESEARCH ACTIVITY



PUBLICATIONS/PRESENTATIONS SUMMARY TABLE 2019

Research Group / Department	Publications		Presentations National and International	
	Journal Articles	Books and Chapters	Invited/Oral	Posters
ALLIED HEALTH PROFESSIONALS				
Centre for Allied Health Research	2	0	4	1
Department of Nutrition and Dietetics	20	1	28	17
Department of Occupational Therapy	7	0	8	5
Department of Physiotherapy	20	0	13	6
Department of Psychology	1	0	0	0
Department of Rehabilitation Engineering, Orthotics and Prosthetics	0	0	0	2
Department of Social Work	4	0	4	1
Department of Speech Pathology and Audiology	10	0	9	6
CANCER CARE SERVICES				
Allied Health Professions	9	0	18	13
Cancer Nursing Professorial Precinct	15	0	21	11
Haematology and Bone Marrow Transplant	31	0	29	8
Haemophilia Centre	2	0	1	5
Medical Oncology	51	0	20	49
Radiation Oncology	34	0	47	13
CRITICAL CARE AND CLINICAL SUPPORT SERVICES				
Emergency and Trauma Centre	25	0	7	3
Genetic Health Queensland	29	1	31	7
Hyperbaric Medicine Services	0	0	0	1
Intensive Care Services	61	0	18	0
Professor Tess Craymond Multidisciplinary Pain Centre	4	0	1	0
Skin Integrity	6	8	4	1
INTERNAL MEDICINE SERVICES				
Department of Cardiology	33	1	51	9
Department of Clinical Immunology and Allergy	0	0	0	0
Department of Clinical Pharmacology	8	0	11	6
Department of Endocrinology and Diabetes	23	1	3	4
Department of Gastroenterology and Hepatology	32	2	18	14
Department of Infectious Diseases	44	0	11	10
Internal Medicine Research Unit	18	5	15	2
Kidney Health Service	53	5	42	40
Neurology – Epilepsy	21	0	2	0
Neurology – Motor Neurone Disease	24	1	4	3
Neurology – Stroke	12	0	8	0
Nuclear Medicine Department	8	0	13	0
Palliative and Supportive Care	2	0	5	0
Pharmacy	70	0	40	41
Department of Rheumatology	5	0	0	0

PUBLICATIONS/PRESENTATIONS SUMMARY TABLE 2019 (CONT)

Research Group / Department	Publications		Presentations National and International	
	Journal Articles	Books and Chapters	Invited / Oral	Posters
INTERNAL MEDICINE SERVICES <i>(cont)</i>				
QLD State-wide Antimicrobial Stewardship	2	0	1	0
Department of Thoracic Medicine	11	5	4	2
MEDICAL IMAGING				
Medical Imaging	12	6	34	13
MEDICAL SERVICES				
Quality, Innovation & Patient Safety	2	0	0	0
MENTAL HEALTH SERVICES				
Metro North Mental Health Services	69	2	47	6
NURSING AND MIDWIFERY SERVICES				
Nursing & Midwifery Research Centre	31	1	16	12
RBWH RESEARCH SERVICES				
Herston Imaging Research Facility	26	0	8	10
Jamieson Trauma Institute	24	0	41	10
Centre for Palliative Care Research and Education	30	2	23	7
SURGICAL AND PERIOPERATIVE SERVICES				
Department of Anaesthesia and Perioperative Medicine /Research Interest in Anaesthesia (RIGA)	28	2	48	14
Department of General Surgery – Unit 1 Breast /Endocrine	3	0	1	0
Department of General Surgery – Unit 2 Hepato-Pancreatic Biliary (HPB)	1	0	9	0
Department of General Surgery – Unit 3 Colorectal	14	1	10	5
Department of General Surgery – Unit 4 Upper Gastrointestinal /Bariatric	3	0	5	6
Department of General Surgery – Unit 5 Acute Surgical Unit (ASU)	0	0	0	2
Department of Ophthalmology	8	0	22	3
Department of Oral & Maxillofacial Surgery	10	0	7	0
Department of Orthopaedic Surgery	15	2	82	0
Department of Otolaryngology, Head and Neck Surgery (<i>Ear, Nose and Throat</i>)	7	0	11	0
Department of Plastic and Reconstructive Surgery	0	0	4	0
Department of Urology	41	0	2	4
Department of Vascular Surgery	6	0	6	7
Kenneth G Jamieson, Department of Neurosurgery	10	0	5	3
Professor Stuart Pegg Burns Centre	0	2	17	0
Trauma Service	0	0	5	1
WOMEN'S AND NEWBORN SERVICES				
Grantley Stable Neonatal Unit	8	0	7	9
Obstetrics and Gynaecology	28	0	8	44
Obstetric Medicine	12	0	15	24
Perinatal Research Centre	11	0	16	10
Queensland Centre for Gynaecological Cancer	7	0	6	1

THE CENTRE FOR PALLIATIVE CARE RESEARCH & EDUCATION



Patsy Yates
Distinguished Professor
Centre for Palliative Care Research
and Education

The primary role of the Centre for Palliative Care Research and Education (CPCRE) is to enhance palliative care services in Queensland through research and education endeavours. To achieve these aims, CPCRE operates as a 'centre without walls', committed to building and fostering partnerships with the palliative care community in its endeavours.

Highlights of 2019:

The Clinical Research Program Leader Prof Janet Hardy was successful in obtaining funding in 2018 for a world-first clinical trial "*To evaluate benefits of medicinal cannabinoids for symptom relief in cancer patients receiving palliative care*". The multi-centre trial funded by the landmark Medical Research Future Fund is progressing well in 2019, with medicinal cannabinoids trials open and recruiting well, across 5 sites in Queensland. CPCRE staff have continued research projects funded by National Health and Medical Research Council (NHMRC), Australian Research Council (ARC), Mater Medical Research Institute (MMRI), Department of Health (DOH), Cancer Australia, Cancer Council NSW, and the Australian Government. Research projects are multi-disciplinary and are across institutions, and results have been published in national and international peer reviewed publications. CPCRE staff hold appointments on state, national and international Palliative Care/Oncological and Nursing, Medical and Indigenous advisory boards/reference groups.

CPCRE education activities include: The General Practice Palliative Care Education Program; The Program of Experience in the Palliative Approach; The Evidence Based Palliative Care Strategy; The Queensland Palliative Care Research Group and Workforce Development Programs. The Centre disseminates pertinent palliative care education and research information to health professionals via: the CPCRE Website, CPCRE Newsletter (quarterly), CPCRE Calendar (biannually), Monthly E-Bulletins, the Annual Research Conference and the Annual Update Symposium (topic rotates three yearly between general medicine, oncology and supportive care); the Annual Master Class and the Annual Nurse Practitioner Symposium.

Benefits for clinical practice:

The Centre's work focuses on:

- Developing the capacity of the palliative care workforce to provide quality palliative care
- Improving the links between research and practice in palliative care
- Undertaking research to enhance the quality of palliative care
- Providing information which supports the delivery of palliative care services.

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>
Vanessa Brunelli	PhD, QUT (2013-2019)	Development of a model of engagement designed to enhance specialist cancer nurse abilities to support people living with lung cancer in self-management	Patsy Yates , Carol Windsor
Doreen Tapsall	Professional Doctorate, QUT (2011-2019)	Factors influencing Nurses engagement in continuing professional development in cancer nursing	Patsy Yates , Kimberly Alexander
Alison Bowers	PhD, QUT (2016-2020)	Paediatric life-limiting conditions: prevalence and palliative care needs	Patsy Yates , Raymond Chan
Rae Blades	Masters by Research, QUT (2016-2020)	The prevention and treatment of radiation dermatitis in patients with head and neck cancer using StrataXRT, is more cost effective than standard care during and post radiotherapy	Patsy Yates , Raymond Chan, Steven McPhail
Cara Cabilan	Masters by Research, QUT (2014-2019)	The physical activity, sedentary behaviour, functional status, and quality of life of colorectal cancer patients within six months after curative treatment	Kimberly Alexander, Patsy Yates , Sonia Hines
Piyada Chaisri	PhD, QUT (2018-2022)	Health related quality of life in children with cancer in Thailand	Patsy Yates , Natalie Bradford
Dianne Legge	Masters by Research, QUT (2015-2019)	Supportive care needs of people diagnosed with low-grade glioma (LGG) in the 3 years post diagnosis	Patsy Yates , Danette Langbecker
Robyn Matthews	Masters by Research, QUT (2016-2021)	The preparedness of novice cancer nurses in delivering end-of-life care in the acute oncology hospital setting	Patsy Yates , Elise Button, Raymond Chan
Carla Thamm	PhD, QUT (2012-2021)	An investigation of how sociocultural factors influence health care professionals' and patients' experience of head and neck cancer and its treatment	Patsy Yates , Sandie McCarthy
Alisha Wintour	Masters by Research, QUT (2016-2020)	Evaluation of an information pamphlet for HPV positive oropharyngeal cancer patients	Patsy Yates , Kimberly Alexander
Cynthia Akuoko	PhD, QUT (2017-2021)	Achieving health services and supportive care needs of women with advanced breast cancer in Ghana	Patsy Yates , Shirley Chambers
Wendy O'Dea	Masters of Philosophy, QUT (2018-2022)	What is the preparedness of cancer nurses caring for patients receiving immunotherapy	Raymond Chan, Patsy Yates
Theodora Ogle	PhD, QUT (2017-2023)	Self-initiated comfort strategies for chemotherapy-induced peripheral neuropathy	Kim Alexander, Patsy Yates , Chris Miaskowski
Clare Quaglia	Masters of Philosophy, QUT (2018-2022)	The use of comprehensive smart phone applications to improve continuity of care and quality of life in patients undergoing treatment for cancer	Kimberly Alexander, Patsy Yates
Porawan Witwaranukool	PhD, QUT (2017-2021)	Implementing evidence based physical activity and exercise guidelines by oncology nurses in Thailand	Patsy Yates , Raymond Chan
Saroeun Ven	Masters of Philosophy, QUT (2019-2023)	Unmet needs of informal carers of people living with life-limiting illness and receiving palliative care	Shirley Chambers, Patsy Yates , Jason Mills
Alana Delaforce	PhD, University of Newcastle (2018-2020)	A theoretical analysis of the barriers and facilitators to implementing patient blood management guidelines: a mixed methods restricted review	Jed Duff, Judy Munday, Janet Hardy
Thomas Dilana	PhD, University of Queensland (2018-2020)	Patient attitudes towards medicinal cannabis	Janet Hardy , Rebecca Olson, Phillip Good

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	Funding Source <i>(operational/external/in-kind)</i>	Research Program	Affiliated University/ies
John Haberecht	Visiting Fellow	In kind	Palliative Care	Queensland University of Technology (2016-current)
Patsy Yates	Honorary Fellow	In kind	Faculty of Business	University of Wollongong (2019-current)

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
Hardy, J., Yates, P	Hardy, J. , Good, P., Lintzeris, N., Martin, J., Yates, P. , Chye, R., Haywood, A., Olsen, R	Medicinal cannabinoids to relieve symptom burden in the palliative care of patients with advanced cancer
Yates, P	Yates, P. , Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J	Centre for Research Excellence in End of Life Care
Yates, P	Yates, P. , Carter, R	TrueNTH Solutions: an integrated multi-component intervention to improve the lives of men with prostate cancer in Australia
Yates, P	Yates, P. , Alexander, K., Miaskowski, C., Chan, R., McCarthy, A., McPhail, S., Wyld, D., Skerman, H	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Danby, S., Ekberg, S., Rendle-Short, J., Yates, P. , Herbert, A., Bradford, N., Bluebond-Langner, M	Yates, P	Extraordinary yet mundane talk: children navigating palliative care
Bradford, N., Yates, P. , Chan, R. and Tjondronegoro, D.	Yates, P	RESPONse: Remote Symptom Management in Paediatric Oncology
Juraskova, I., Butow, P., Laidsaar-Powell, R., Boyle, F., Yates, P. , Schofield, P., Kay, J. and Costa, D	Yates, P	Empowering the clinician-patient-carer TRIO: RCT of novel online education modules to facilitate effective family carer involvement in oncology
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., Douglas, C. , Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., Yates, P	Yates, P	Chronic Kidney Disease Centre for Research Excellence

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
Hardy, J. , Good, P., Lintzeris, N., Martin, J., Yates, P. , Chye, R., Haywood, A., Olsen, R	Centre for Palliative Care Research and Education	Medicinal cannabinoids to relieve symptom burden in the palliative care of patients with advanced cancer	The Commonwealth of Australia, Department of Health, Medical Research Future Fund	\$1,363,040	\$356,000	2018-2021
Danby, S., Ekberg, S., Rendle-Short, J., Yates, P. , Herbert, A., Bradford, N., Bluebond-Langner, M	Centre for Palliative Care Research and Education	Extraordinary yet mundane talk: children navigating palliative care	Australian Research Council Discovery Grant	\$588,592	\$154,434	2018-2021
Bradford, N., Yates, P. , Chan, R., and Tjondronegoro, D	Centre for Palliative Care Research and Education	RESPONse: Remote Symptom Management in Paediatric Oncology	Children's Health Foundation Queensland	\$255,370	\$78,609	2018-2020
Juraskova, I., Butow, P., Laidsaar-Powell, R., Boyle, F., Yates, P. , Schofield, P., Kay, J. and Costa, D	Centre for Palliative Care Research and Education	Empowering the clinician-patient-carer TRIO: RCT of novel online education modules to facilitate effective family carer involvement in oncology	Cancer Australia and Cancer Council NSW	\$593,202	\$197,065	2018-2020

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
Yates, P. , Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J	Centre for Palliative Care Research and Education	Centre for Research Excellence in End of Life Care	National Health and Medical Research Council	\$2,495,543	\$0.00	2013-2019
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., Douglas, C. , Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., Yates, P	Centre for Palliative Care Research and Education	Chronic Kidney Disease Centre for Research Excellence	NHMRC CRE in Health Services	\$2,496,981	\$23,454	2014-2019
Yates, P. , Carter, R	Centre for Palliative Care Research and Education	TrueNTH Solutions: an integrated multi-component intervention to improve the lives of men with prostate cancer in Australia	The Movember Group–True NTH	\$1,365,755	\$41,818	2014-2019
Yates, P. , Alexander, K., Miaskowski, C., Chan, R., McCarthy, A., McPhail, S., Wyld, D., Skerman, H	Centre for Palliative Care Research and Education	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy	National Health and Medical Research Council	\$713,418	\$209,990	2017-2021
Hardy, J., Yates, P. , Miakowski, C., Good, P., Skerman, S	Centre for Palliative Care Research and Education	Assessing the influence of genetic variation on symptom clusters in men with castrate resistant prostate cancer	Mater Medical Research Institute Seeding Grant	\$20,000	In kind	2015-2020
Hardy, J. , Good, P., Olsen, R	Centre for Palliative Care Research and Education	Talking about death: A study into palliative care communication	Mater Medical Research Institute Seeding Grant	\$19,320	In kind	2016-2020
Good, P., Sullivan, K., Woodward, N, Hardy, J	Centre for Palliative Care Research and Education	An open label pilot study of oral water-soluble contrast (Gastrografin) in addition to conservative management for the resolution of malignant bowel obstruction in adult patients	Mater Medical Research Institute Seeding Grant	\$20,000	In kind	2015-2020
Hardy, J. , Olsen, R., Good, P	Centre for Palliative Care Research and Education	A qualitative study of cancer patients' perceptions and attitudes toward use of medicinal cannabinoids in palliative care.	Mater Medical Research Institute Seeding Grant	\$19,496	\$7,496	2017-2020
Good, P., Hardy, J	Centre for Palliative Care Research and Education	Assessing physical activity as an outcome of pain management in patients with advanced cancer	Mater Medical Research Institute Seeding Grant	\$20,000	In kind	2017-2020
Cross, J., Good, P., Hardy, J. , Martin, J., Galettis, P., Zeng, L	Centre for Palliative Care Research and Education	Exploring potential anti-inflammatory effects of medicinal cannabis	Mater Medical Research Institute Seeding Grant	\$20,000	\$5,000	2018-2020
Richard, E., Mitchell, G., Nikles, J., Good, P., Senior, H., Steadman, K., Hardy, J	Centre for Palliative Care Research and Education	Oral pilocarpine tablets for xerostomia	Mater Medical Research Institute Seeding Grant	\$19,947	\$9,947	2018-2020
Good, P., Hardy, J. , Philip, J., Weil, J., Crawford, G., McNeil, R., Yates, P	Centre for Palliative Care Research and Education	A randomised, controlled, double blind study of ondansetron versus olanzapine versus haloperidol in patients with cancer and nausea not related to anticancer therapy. A pilot study (Nausea 4 study)	University of Technology Sydney	\$19,947	\$9,947	2018-2020
Hardy, J	Centre for Palliative Care Research and Education	Research into prostate cancer	Mater Medical Research, Bill Siganto Award	\$10,000	In kind	2018-2020

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
Hardy, J. , Kindl, K., Tapuni, A., Kingi, N., Good, P., Prasad, S	Centre for Palliative Care Research and Education	The prevalence of QTc prolongation in patients with cancer	Mater Palliative Care Research Fund	Student Project	In kind	2014-2019
Good, P., Hardy, J. , Sullivan, K., Syrmis, W., Woodward, N	Centre for Palliative Care Research and Education	An open label pilot study of oral water soluble contrast (Gastrografin) in addition to conservative medical management for the resolution of malignant bowel obstruction in adult patients	Mater Medical Research Institute Seeding Grant	\$19,230	\$5,000	2015-2020
Hardy, J. , Pinkerton, E., Russell, E., Kindl, K., Good, P	Centre for Palliative Care Research and Education	Quality use of medicine: The use of oral corticosteroids in patients with advanced cancer	Mater Palliative Care Research Fund	Student Project	In kind	2016-2019
Chan, R., Yates, P. , Emery, J., Koczwara, B., Mann, G., Eakin, E., Turner, M., Krishnasamy, M., Gordon, L. & Skerman, H	Centre for Palliative Care Research and Education	Implementation of a nurse-enabled, shared-care follow-up model for early Breast cancer survivorS (The IBIS-Survivorship Study). (APP1170519)	NHMRC Partnership Project	\$1,444,032	\$68,980	2019-2024

2019 Research Publications

Journal Articles

- Ekberg, S., Danby, S., Rendle-Short, J., Herbert, A., Bradford, N. & **Yates, P.** Discussing death: making end of life implicit or explicit in paediatric palliative care consultations. *Patient Education and Counseling*, (2019), 102(2), 198-206
- Button, E., Gavin, N., Chan, R., Connell, S., Butler, J. & **Yates, P.** Harnessing the power of clinician judgement. Identifying risk of deteriorating and dying in people with a haematological malignancy: A Delphi study. *Journal of Advanced Nursing*, (2019), 75(1), 161-174
- Button, E., Gavin, N., Chan, R., Chambers, S., Butler, J. & **Yates, P.** Clinical indicators that identify risk of deteriorating and dying in people with a hematological malignancy: a case-control study with multivariable analysis. *Journal of Palliative Medicine*, (2019), 21(12), 1729-1740
- Tindle, D., Windsor, C. & **Yates, P.** Centralizing temporality in adolescent and young adult cancer survivorship. *Qualitative Health Research*, (2019), 29(2), 173-183
- Chan, R., Gordon, L., Tan, C., Chan, A., Bradford, N., **Yates, P.**, Agbejule, O. & Miaskowski, C. Relationships between financial toxicity and symptom burden in cancer survivors: A systematic review. *Journal of Pain and Symptom Management*, (2019), 57(3), 646-660
- Hudson, A.P., Spooner, A.J., Booth, N., Penny, R.A., Gordon, L.G., Downer, T.-R., **Yates, P.**, Henderson, R., Bradford, N., Conway, A., 'Donnell, C., Geary, A. & Chan, R. Qualitative insights of patients and carers under the care of nurse navigators. *Collegian*, (2019), 26(1), 110-117
- Spooner, A., Booth, N., Downer, T.-R., Gordon, L., Hudson, A., Bradford, N., O'Donnell, C., Geary, A., Henderson, R., Franks, C., Conway, A., **Yates, P.** & Chan, R. Advanced practice profiles and work activities of nurse navigators: An early-stage evaluation. *Collegian*, (2019), 26(1), 103-109
- Gordon, L.G., Spooner, A.J., Booth, N., Downer, T.-R., Hudson, A., **Yates, P.**, Geary, A., O'Donnell, C. & Chan, R. Do nurse navigators bring about fewer patient hospitalisations? *Journal of Health Organization and Management*, (2019), 33(1), 51-62
- Northfield, S., Button, E., Wyld, D., Gavin, N., Nasato, G. & **Yates, P.** Taking care of our own: A narrative review of cancer care services-led models of care providing emergent care to patients with cancer. *European Journal of Oncology Nursing*, (2019), 40, 85-97
- Shahid, S., Ekberg, S., Holloway, M., Jacka, C., **Yates, P.**, Garvey, G. & Thompson, S. Experiential learning to increase palliative care competence among the Indigenous workforce: an Australian experience. *BMJ Supportive & Palliative Care*, (2019), 9, 158-163
- Beatty, L., Kemp, E., Coll, J., Turner, J., Butow, P., Milne, D., **Yates, P.**, Lambert, S., Wootten, A., Yip, D. & Koczwara, B. Finding My Way: results of a multicentre RCT evaluating a web-based self-guided psychosocial intervention for newly diagnosed cancer survivors. *Supportive Care in Cancer*, (2019), 27, 2533-2544
- Mitchell, G., Willmott, L., White, P., Piper, D., Currow, D. & **Yates, P.** A perfect storm: fear of litigation for end of life care. *Medical Journal of Australia*, (2019), 210(10), 441.e1
- Bradford, N., Chambers, S., Hudson, A., Jauncey-Cooke, J., Penny, R., Windsor, C. & **Yates, P.** Evaluation frameworks in health services: An integrative review of use, attributes and elements. *Journal of Clinical Nursing*, (2019), 28(13-14), 2486-2498
- Conway, A., Donnell, C. & **Yates, P.** The effectiveness of the nurse care coordinator role on patient-reported and health service outcomes: A systematic review. *Evaluation and the Health Professions*, (2019), 42(3), 263-296
- Hardy, J.**, Skerman, H., Good, P., Philip, J., Currow, D., Mitchell, G., **Yates, P.** A randomized, double-blind controlled trial of methotrimeprazine versus haloperidol in palliative care patients with cancer-related nausea. *BMJ Open*, (2019);9: e029942. DOI:10.1136/bmjopen-2019-029942

Journal Articles (cont)

- Ni, X., Chan, R., **Yates, P.**, Hu, W., Huang, X. & Lou, Y. The effects of Tai Chi on quality of life of cancer survivors: a systematic review and meta-analysis. *Supportive Care in Cancer*, (2019), 27(10), 3701-3716
- Chan, R., Blades, R., Jones, L., Downer, T.-R., Peet, S., button, E., Wyld, D., McPhail, S., Doolan, M. & **Yates, P.** A single-blind, randomised controlled trial of StrataXRT₂ – A silicone based film-forming gel dressing for prophylaxis and management of radiation dermatitis in patients with head and neck cancer. *Radiotherapy and Oncology*, (2019), 139, 72-79
- Xing, W., So, W.K.W., Choi, K.C., Wong, C.L., Tong, M., Choy, Y., Molassiotis, A., **Yates, P.** & Chan, R.J. Translation and psychometric testing of Cancer Survivors' Unmet Needs (Chinese Version). *Asia Pacific Journal of Clinical Oncology*, (2019), 15(5), e142-e146
- Turner, J., **Yates, P.**, Kenny, L., Gordon, L., Burmeister, B., Hughes, B., McCarthy, A., Perry, C., Chan, R., Paviour, A., Skerman, H., Batstone, M. & Mackenzie, L. The ENHANCES study: a randomized controlled trial of a nurse-led survivorship intervention for patients treated for head and neck cancer. *Supportive Care in Cancer*, (2019), 27(12), 4627-4637
- Poudel, A., Berry, R., McCarthy, A., Walpole, E., **Yates, P.** & Nissen, L. Medication use in older, terminally ill cancer patients: Are all medications appropriate? A longitudinal audit. *Palliative Medicine*, (2019), 33(9), 1232-123
- Huang, Y.-L., **Yates, P.**, Thorberg, F.A. & Wu, C.-J.J. Adults' perspectives on cultural, social and professional support on end-of-life preferences. *Collegian*, (2019), 26(6), 621-628
- Good, P., Haywood, A., Gogna, G., Martin, J., **Yates P.**, Greer, R., **Hardy, J.** Oral medicinal cannabinoids to relieve symptom burden in the palliative care of patients with advanced cancer: a double-blind, placebo controlled, randomised clinical trial of efficacy and safety of cannabidiol (CBD). *BMC Palliative Care*, (2019), 18(110). DOI:10.1186/s12904-019-0494-6
- McCaffrey, N., Flint, T., Kaambwa, B., Fazekas, B., Rowett, D., Currow, D., **Hardy, J.**, Agar, M., Quinn, S., & Eckermann, S. Economic evaluation of the randomised double-blind, placebo-controlled study of subcutaneous ketamine in the management of chronic cancer pain. *Palliative Medicine*, (2019); 33(1), 74-81
- Haywood, A., Duc, J., Good, P., Khan, S., Rickett, K., Vayne-Bossert, P., **Hardy, J.** Systemic corticosteroids for the management of cancer-related breathlessness (dyspnoea) in adults. *Cochrane Database of Systematic Reviews*, (2019), Issue 2. Art. No.: CD012704. DOI: 10.1002/14651858.CD012704.pub
- King, M., Agar, M., Currow, D., **Hardy, J.**, Fazekas, B., McCaffrey, N. Assessing quality of life in palliative care settings: head-to-head comparison of four patient-reported outcome measures (EORTC QLQ-C15-PAL, FACIT-Pal, FACIT-Pal-14, FACT-G7)". *Supportive Care in Cancer*, (2019), Apr 16. DOI: 10.1007/s00520-019-04754-9. [Epub ahead of print]
- Alqabandi, N., Haywood, A., Kindl, K., Khan, S., Good, P., **Hardy, J.** Managing diabetes at the end of life – a retrospective chart audit of two health providers in Queensland, Australia. *Progress in Palliative Care*, (2019), 27(2), 51-57, DOI: 10.1080/09699260.2019.1611721
- Delaforce, A., Moore, D., Duff, J., Munday, J., **Hardy, J.** Assessing transfusion practice in elective surgical patients: a baseline audit. *ISBT Science Series*, (2019); 0:1-8 Available from: <https://onlinelibrary-wiley-com.ezp01.library.qut.edu.au/DOI/full/10.1111/voxs.12496>
- Pinkerton, E., Good, P., Kindl, K., Richard, R., Fischer, A., **Hardy, J.** Quality use of medicines: oral corticosteroids in advanced cancer. *Palliative Medicine*, (2019), Research letter 2019: 33(10),1325-1326. Aug 5:269216319866647. DOI: 10.1177/0269216319866647
- Good, P., Greer, R., Huggett, G., **Hardy, J.** An open-label pilot study testing the feasibility of assessing total symptom burden in trials of cannabinoid medications in palliative care. *Journal of Palliative Medicine*, (2019), Dec 3. DOI: 10.1089/jpm.2019.0540. [Epub ahead of print] PMID:31800354
- Hardy, J.**, Bundock, D., Cross, J., Gibbons, K., Pinkerton, R., Kindl, K., Good, P., Philip, J. Prevalence of QTc prolongation in patients with advanced cancer receiving palliative care – a cause for concern? *Journal of Pain and Symptom Management*, (2019) Dec 19. pii: S0885-3924(19)31061-9. DOI: 10.1016/j.jpainsymman.2019.12.356. [Epub ahead of print].

Book Chapters / Letters

- Matsuoka, H., Agar, M., Vandersman, Z., Good, P., Brown, L., **Hardy, J.**, Weil, J., Currow, D. Harms from haloperidol for symptom management in palliative care; a post hoc pooled analysis of three randomised controlled studies and two consecutive cohort studies. *Journal of Pain and Symptom Management* 2019. May 20. pii: S0885-3924(19)30244-1. DOI: 10.1016/j.jpainsymman.2019.05.004. [Epub ahead of print]. 2019;58(3); e6-e8. (Research Letter)
- Yates, P.** Cancer. In Brown, D., Edwards, H., Buckley, T. & Aitken, R. (Eds.) *Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (5th Ed.), (2019). Elsevier Australia, Sydney, pp. 274-312.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

- Yates, P.** Achieving quality palliative care for all. Canberra Health Annual Research Meeting (CHARM 2019), Canberra, Australia, 31st July 2019
- Yates, P.** National Palliative Care Projects: Palliative Care Education and Training Collaborative (PCC4U and PEPA). Oceanic Palliative Care Conference, Perth, Australia, 11th September 2019
- Yates, P.** National Palliative Care Projects: National Specialist Palliative Care and Advance Care Planning Advisory Services – ELDAC. Oceanic Palliative Care Conference, Perth, Australia, 11th September 2019
- Yates, P.** Building nursing's capacity in cancer control: the important leadership role of the International Society of Nurses in Cancer Care. 12th International Conference on Cancer Care, Maputo, Mozambique, South Africa, 8th November 2019
- Yates, P.** Prostate cancer: latest advances in treatment for early prostate cancer. 2019 COSA Annual Scientific Meeting, Adelaide, Australia, 12th November 2019
- Yates, P.** Palliative care outcomes are effective: but hospital symptoms are superior. PCOC Outcomes & Benchmarking Conference, Sydney, Australia, 20th November 2019

Invited Speakers (cont)

7. **Yates, P.** Improving patient experiences of cancer care. Brisbane Cancer Conference, Brisbane, Australia, 29th November 2019
8. **Hardy, J.** Top 10 tips for medicinal cannabis. General Medicine Update Symposium, Centre for Palliative Care Research and Education, Royal Brisbane and Women's Hospital, Brisbane, Australia, 29th March 2019
9. **Hardy, J.** Advance care planning in the era of high risk anaesthesia. PA Anaesthesia Conference, Translational Research Institute, Princess Alexandra Hospital, Brisbane, Australia, 12th October 2019
10. **Hardy, J.** Cancer pain management, what works and what doesn't? Faculty Pain Medicine Annual Conference, The Byron Resort, Byron Bay, Australia, 18th October 2019
11. **Hardy, J.** Medicinal cannabis – what is the role in palliative care? Faculty Pain Medicine Annual Conference, The Byron Resort, Byron Bay, Australia, 18th October 2019.

Oral Presentations

1. **Yates, P.** Transforming end-of-life care for older Australians: building workforce capacity through ELDAC. 15th National Rural Health Conference, Hobart, Tasmania, 26th March 2019
2. **Yates, P.** Lessons from the field: global nursing leadership in cancer control. International Council of Nurses (ICN) Congress 2019, Singapore, Singapore, 28th June 2019
3. **Yates, P.** Developing the evidence base to strengthen nursing services: The benefits of academic-health service-policy partnerships. ACN National Nursing Forum, Hobart, Tasmania, 23rd August 2019
4. Bradford, N., Chan, R. & **Yates, P.** The veil of cancer symptoms in children: symptoms we know about are not the same as the ones that cause distress. MASCC/ISOO Annual Meeting, San Francisco, USA, 21st June 2019
5. Gavin, N., Button, E., Smith, M., Hayes, T., Leutenegger, J., Glynn, T., Percival, V., Wong, L., Wessling, C. & **Yates, P.** Developing a nursing research internship. Cancer Nurses Society of Australia 22nd Annual Congress, Melbourne, Australia, 21st June 2019
6. Ogle, T., Alexander, K., **Yates, P.** & Miaskowski, C. A systematic review of the effectiveness of self-initiated interventions to decrease pain and sensory disturbances associated with peripheral neuropathy. TCNSA 22nd Annual Congress, Melbourne, Australia, 21st June 2019
7. Chan, R., Blades, R., Jones, L., Downer, T.-R., Peet, S., Button, E., Wyld, D., McPhail, S., Doolan, M. & **Yates, P.** A single-blind, randomised controlled trial of StrataXRT[®] – a silicone-based film-forming gel dressing for prophylaxis and management of radiation dermatitis in patient with head and neck cancer. CNSA 22nd Annual Congress, Melbourne, Australia, 22nd June 2019
8. Bradford, N., Cashion, C., Chan, R., Walker, R., Herbert, A. & **Yates, P.** Integrating patient reported outcomes with digital solutions to empower children and families to self-manage complex health conditions. 2nd Asia Pacific Conference on Integrated Care, Melbourne, Australia, 11th November 2019
9. Delaforce, A., Duff, J., Munday, J., & **Hardy, J.** Assessing transfusion practice in elective surgical patients: a baseline audit. ACORN – Australian College of Perioperative Nurses Conference 2019, Townsville, Australia, 2nd-4th May 2019
10. McCaffrey, N., Agar, M., Currow, D., **Hardy, J.**, Fazekas, B., King, M. "Assessing Quality of Life in People Receiving Palliative Care: Empirical Comparison of Four Questionnaires (EORTC QLQ-C15-PAL, FACT-G7, FACIT-Pal, FACIT-Pal-14). 16th World Congress of the European Association for Palliative Care, Berlin, Germany, 23rd-25th May 2019
11. Delaforce, A., Munday, J., Duff, J., **Hardy, J.**, Moore, D. Assessing transfusion practice in elective surgical patients: a baseline audit to identify opportunities for improvement. Blood 2019: combined Annual Scientific Meeting of the Haematology Society of Australia & New Zealand, Australian & New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis Society of Australia & New Zealand, Perth, Australia, 20th-23rd October 2019
12. Delaforce, A., Duff, J., Munday, J. & **Hardy, J.**, Assessing transfusion practice in elective surgical patients: a baseline audit. Annual University of Newcastle Research Week, Newcastle, Australia, 12th-18th August 2019.

Poster Presentations

1. Bradford, N.K., Chan, R., Cashion, C., Walker, R. & **Yates, P.** RESPONSE: Adaption and validation of a Patient Reported Outcome Measure for Australian Children and Adolescents with Cancer. Cancer Survivorship Conference, Sydney, Australia, 28th-29th March 2019
2. Chan, R., Blades, R., Jones, L. & **Yates, P.** A single-blind, randomized controlled trial of a silicone-based film-forming gel dressing for prophylaxis and management of radiation dermatitis in patient with head and neck cancer. Oncology Nursing Society's 44th Annual Congress, Anaheim, USA, 13th April 2019
3. Blades, R., Chan, R., **Yates, P.** & McPhail, S. Cost-effectiveness of StrataXRT[®] versus Sorbolene for radiodermatitis in head and neck cancer patients: a trial-based economic evaluation. Cancer Nurses Society of Australia 22nd Annual Congress, Melbourne, Australia, 20th-22nd June 2019
4. **Yates, P.**, Rusnac, N., Rosenberg, J., Clifton, K., Brodie, M., Gavin, J., Harrison, D. & Moore, R. Improving palliative care and advance care planning in aged care – early findings of ELDAC working together audit data. Oceanic Palliative Care Conference, Perth, Australia, 10th-13th September 2019
5. Gavin, N., Smith, M., Hayes, T., Leutenegger, J., Glynn, T., Williams, D., Percival, V., Wong, L., Wessling, C., Watling, A., Roberts, N. & **Yates, P.** Developing a nursing research internship. Herston State of the Art Healthcare Symposium, Herston, Australia, 9th-12th September 2019
6. Lah, M.C., Good, P., Huggett, G., **Hardy, J.** Medicinal Cannabinoids for Symptom Relief in Advanced Cancer Patients – Feasibility Study. Australian Society for Breast Disease 12th Scientific Meeting, RACV Royal Pines Resort, Gold Coast, Australia, 10th-12th October 2019
7. Delaforce, A., Munday, J., Duff, J., **Hardy, J.** Assessing transfusion practice in elective surgical patients: a baseline audit to identify opportunities for improvement. Blood 2019: combined Annual Scientific Meeting of the Haematology Society of Australia & New Zealand, Australian & New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis Society of Australia & New Zealand, Perth Convention and Exhibition Centre, Perth, Australia, 20th-23rd October 2019.

Other communications and outputs:

Published Abstracts

Ranse, K., Delaney, L., Ranse, J., Coyer, F. & **Yates, P.** End-of-life care in postgraduate critical care nurse curricula: An evaluation of current content informing practice. *Australian Critical Care*, (2019), 32, S1-S18

McCaffrey, N., Agar, M., Currow, D., **Hardy, J.**, Fazekas, B., King, M. Assessing Quality of Life in People Receiving Palliative Care: Empirical Comparison of Four Questionnaires (EORTC QLQ-C15-PAL, FACT-G7, FACIT-Pal, FACIT-Pal-14). 16th World Congress of the European Association for Palliative Care, Berlin, Germany, 23rd-25th May 2019

Delaforce, A., Duff, J., Munday, J., & **Hardy, J.** Assessing transfusion practice in elective surgical patients: a baseline audit. ACORN – Australian College of Perioperative Nurses Conference 2019, Townsville, Australia, 2nd-4th May 2019

Delaforce, A., Munday, J., Duff, J., **Hardy, J.**, Moore, D. Assessing transfusion practice in elective surgical patients: a baseline audit. Blood 2019: combined Annual Scientific Meeting of the Haematology Society of Australia & New Zealand, Australian & New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis Society of Australia & New Zealand, Perth, Australia, 20th-23rd October 2019

Delaforce, A., Duff, J., Munday, J. & **Hardy, J.**, Assessing transfusion practice in elective surgical patients: a baseline audit. Accepted for oral presentation at the annual University of Newcastle Research Week, Newcastle, Australia, 12th-18th August 2019.

Workshops / Other Presentations

Yates, P. Designing a research project. Emergency Medicine Foundation Research 101 Workshop, Brisbane, Australia, 12th March 2019

Yates, P. ELDAC: Improving palliative care and advance care planning for older Australians. Pre-Conference Workshop, Oceanic Palliative Care Conference, Perth, Australia, 10th September 2019

Yates, P. Creating real improvements for people affected by cancer: The essential role of nursing research. Nursing Research Forum, Memorial Sloan Kettering Cancer Center, New York, USA, 15th April 2019

Yates, P. Panel member. World Health Assembly Side Event, Beyond the headlines – what will it take to address the growing cancer burden? Geneva, Switzerland, 21st May 2019

Yates, P. Navigating the journey from diagnosis to after treatment. 59th PAH Health Symposium, Princess Alexandra Hospital, Brisbane, Australia, 1st August 2019

Yates, P. Dying Well – PCWA Public Forum, Perth, Australia, 9th September 2019

Yates, P. Achieving personalised health care: The role of nurses. The 1st Nanjing Medical University/QUT Nursing Research Symposium, Nanjing, China, 19th October 2019

Yates, P. The Future of Cancer Care Coordination – What does the evidence say? Cancer Care Coordinator Development Day, Mater Health Services, Brisbane, Australia, 25th October 2019

Yates, P. Building systems that respond to what matters most for older Australians at end of life. Joint luncheon of the Parliamentary Friends of Palliative Care and the Parliamentary Friends of Dementia, Canberra, Australia, 28th November 2019

Hardy, J. Nausea RCTs – what are the results and what have we learnt from them? UTS Concept Development Workshop, Jim Douglas Boardroom, St Vincent's Private Hospital, Brisbane, Australia, 1st March 2019

Hardy, J. Top 10 tips for medicinal cannabis – what have we learnt to date? Palliative Care Interest Group Dinner, Victoria Park Function Centre, Herston, Australia, 16th April 2019

Hardy, J. Medicinal cannabis – top 10 tips or what we have learnt so far. Mater Multi-disciplinary Education Session, Mater Adult Hospital, Brisbane, Australia, May 2019

Hardy, J. Opioid update. GP Education Evening, St Vincent's Private Hospital, Brisbane, Australia, 30th July 2019.

Non-Refereed Publications

White, B., Willmott, L., **Yates, P.**, Then, S.-N., Neller, P. & Feeney, R. End of Life Law for Clinicians: new national training. *MJA InSight*, 4th February 2019. (Editorial)

Button, E., Bolton, M., Chan, R., Chambers, S., Butler, J. & **Yates, P.** Editorial. A palliative care model and conceptual approach suited to clinical malignant haematology. *Palliative Medicine*, (2019), 33(5), 483-485.

HERSTON IMAGING RESEARCH FACILITY

The Herston Imaging Research Facility (HIRF) is a dedicated facility for human imaging research on the RBWH campus. The facility houses one of only four combined PET and MR scanners in Australia, as well as a 3T Prisma MRI scanner and a PET/CT scanner, along with supporting infrastructure. HIRF is operated as a unit of RBWH, using RBWH radiographers and nuclear medicine technologists to operate the scanners. Being a stand-alone facility separate to the clinical radiology and nuclear medicine departments, HIRF offers greater access and booking certainty to imaging scanners than is possible in a busy clinical environment. As well as offering a pleasant environment for research participants, HIRF reduces the research load on clinical scanners, reducing wait-list times.

HIRF is an alliance of four partners: Queensland University of Technology, University of Queensland, Metro North Hospital and Health Service, and Queensland Institute of Medical Research-Berghofer. Researchers from all of the partners, as well as external institutions, collaborate on imaging research at HIRF. It is involved in multi-centre national and international trials, commercial work and clinical trials. HIRF also collaborates closely with the radiopharmaceutical laboratory of the nuclear medicine department at RBWH to make available a wide variety of PET tracers for researchers to use at HIRF.

Highlights of our research from 2019 include:

This year HIRF has made significant contributions to a large number of projects, producing high quality outputs. The research projects are focused on a variety of questions – such as more accurate diagnoses, better patient monitoring and therapy outcomes. The researchers work with a broad range of participants, from 6 to 86+ years old. Fostering these strong collaborative relationships with the partners and other external research institutes means that the quality of research and research productivity from HIRF will only grow over 2020.

During 2019 we had 67 research projects, among them were:

Abbvie: A Randomized, Double-Blind, Placebo-Controlled Multiple Dose Study to Assess Efficacy, Safety, Tolerability, and Pharmacokinetics of ABBV-8E12 in Progressive Supranuclear Palsy.

ATA188-MS-101: An Open-Label Phase 1 Study to Evaluate the Safety of ATA188 in Subjects with Progressive and Relapsing-Remitting Multiple Sclerosis.

BeClear Speech Dysarthria: An intensive speech treatment for adults with non-progressive dysarthria.

Beigene 304: An International, Phase 3, Open-label, Randomized Study of BGB-3111 Compared with Bendamustine plus Rituximab in Patients with Previously Untreated Chronic Lymphocytic Leukemia or Small Lymphocytic Lymphoma.

BIOFAB: Skin Burns and Trauma Program – Medical imaging of the external ear towards 3D models for ear reconstruction.

CEST: A multi-centre trial investigating imaging technologies as measures of knee and hip cartilage composition in patients.

CF-LUNG: MRI for automated paediatric cystic fibrosis treatment response assessment.

Chronic Pain: The Central Neurobiological and Immunological Effects of Exercise in Individuals with Chronic.

Neck Pain Consult II: Predicting Surgery-induced Neurological Deficits using CONSULT tractography software.

CXCR4-Pancreatic Cancer: A study to look at a new way of detecting the spread of pancreas cancer.

CXCR4-Rectal Cancer: A pilot study of CXCR-4 PET scanning in operable rectal cancer.

DBS Impulsivity: Impulsivity and caregiver burden after deep brain stimulation for Parkinson's disease.

Defocus: Exploring the retinal response to defocus using fMRI – The brain's response to blurred images.

Echo – Acerta Pharma: A phase 3, randomised, double-blind, placebo-controlled, multicentre study of Bendamustine and Rituximab alone versus in combination with Acalabrutinib (ACP-196) in subjects with previously untreated mantle cell lymphoma.

ENVPWI: A language study of healthy participants into environmental sounds in picture-word interference.

FunDemental: Functional MRI in Delirium Pilot Study.

Ga-68-DOTATATE: Pilot project to compare Ga-68-DOTATATE clinical PET-CT with dynamic liver PET, 'diagnostic MRI' and simultaneous PET-MRI to assess well differentiated neuroendocrine tumour (NET) with liver metastases.

Ga-68-PMSA Colorectal Cancer: Evaluation of the use of Positron Emission Tomography using gallium-labelled [⁶⁸Ga] PSMA ligand in the detection of Metastatic Colorectal Cancer – A Pilot Study.

GE-180 PET in GVHD: Pilot study of ¹⁸FGE180PET to assess acute gastrointestinal graft versus host disease.

HABIT-ILE: A randomized trial of hand arm bimanual intensive training including lower extremity training for children with bilateral cerebral palsy.

KB004: A Phase I safety and biomaging trial of KB004 in patients with glioblastoma {ONJ2017-002}.

LYRA: Sanofi Phase II trial of LYR-210 in Adult subjects with chronic sinusitis.

Malaria: *Functional nuclear medicine imaging in subpatent malaria: a pilot study* Memory or Neurobiological markers for dementia: Neurobiology-informed diagnostic toolkit for Neurodegenerative Disease.

MicroResonance: *Early Psychosis:* Neuroinflammation and Neurodegeneration from prodrome to FEP using multi-modal MRI.

MINERAL: Magnetic Resonance Imaging and Quantitative Susceptibility Mapping (MRI-QSM) of brain iron to identify Chemotherapy-Associated Neurocognitive Impairment (CANI) in Acute Myeloid Leukaemia (AML).

Multiple Myeloma: Pilot study of ⁶⁸Ga-Pentixafor positron emission tomography (PET) imaging in multiple myeloma.

OCD: Effects of focal non-invasive brain stimulation on network dynamics and symptoms of Obsessive-Compulsive Disorder.

Paediatric A-T: The assessment of the respiratory aspects of ataxia-telangiectasia.

PD-MCI: Markers and mechanisms of mild cognitive impairment (MCI) in Parkinson's disease (PD).

Perineural Spread: Utility of High-Resolution MRI in Evaluating Perineural Spread in Head and Neck Cancers.

PERSPECTIVE LCZ696/Entresto: A multicenter, randomized, double-blind, active-controlled study to evaluate the effects of LCZ696 compared to valsartan on cognitive function in patients with chronic heart failure and preserved ejection fraction.

PETAL: Improving the precision of clinical staging of the axilla.

PISA: Prospective Imaging Study of Ageing: Genes, Brain and Behaviour.

PLIMATH: A multi-centre Phase II study to determine the response kinetics, safety and efficacy of pembrolizumab as frontline treatment of patients with Hodgkin Lymphoma considered unsuitable for ABVD.

PREBO-6: Prediction of childhood Brain Outcomes in infants born preterm using neonatal MRI and concurrent clinical biomarkers.

Predict CP: Implementation of comprehensive surveillance to Predict outcomes for children with Cerebral Palsy.

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>
Jessica Bugeja	PhD, UQ (2018-2021)	Imaging Technologies to Measure Cartilage Structure and Composition CEST	Shekhar Chandra (UQ), Jurgen Fripp (CSIRO), Craig Engstrom (UQ)
Tahleesa Cuda	PhD, UQ	⁶⁸ Ga-PMSA Colorectal Cancer	Andrew Stevenson, David Clark, Paul Thomas, Andrew Riddell, John Hooper, Simon Puttick (CSIRO)
Bjorn Burgher	PhD Student	Early Psychosis: neuroinflammation and Neurodegeneration from prodrome to FEP using multi-modal MRI	Michael Breakspear (QIMR), James Scott
Ji Hyun (Julia) Yang	PhD, UQ (2015-2019)	Markers and mechanisms of mild cognitive impairment (MCI) in Parkinson's disease (PD)	Nadeeka Dissanayaka, Katie McMahon (HIRF/QUT), Gerard Byrne
Caitlin Hall	PhD UQ (2018-2021)	Effects of focal non-invasive brain stimulation on network dynamics and symptoms of Obsessive-Compulsive Disorder	Luca Cocchi (QIMR), Graham Radford-Smith, Anton Lord (QIMR)
Arash Arabshahi	PhD UQ (2018-2021)	Effects of focal non-invasive brain stimulation on network dynamics and symptoms of Obsessive-Compulsive Disorder	Luca Cocchi (QIMR), James Roberts (QIMR)
Dr Ashleigh Scott	PhD, University of QLD (2017-2021)	Pilot study of ¹⁸ FGE180PET to assess acute gastrointestinal graft versus host disease	Glen Kennedy, Siok-Keen Tey
Dr Philip Mosley	PhD QIMR Berghofer MRI	Impulsivity and caregiver burden after deep brain stimulation for Parkinson's disease	Prof Michael Breakspear (QIMR)
Maureen Ross	PhD, QUT (2018-expected 2021)	Medical imaging of the external ear towards 3D models for ear reconstruction	Mia Woodruff (QUT), Mark Allenby (QUT), Sean Powell (QUT), Edward Ren (QUT)

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 Matthew Burge	Paul Thomas, Melissa Eastgate, David Wyld, Nicholas O'Rourke, David Cavallucci, Richard Bryant	CXCR4-Pancreatic Cancer
Dr Matthew Burge	Paul Thomas, Melissa Eastgate, David Wyld, Andrew Stevenson, David Clark	CXCR4-Rectal Cancer
Dr Po-Ling Inglis	Zernie Lwin (PCH), Paul Thomas	KB004
Dr Jason Butler	Dr Cameron Curley, Dr Simon Durrant, Dr Kirk Morris, Dr Elando Subramoniapillai, Tey, Dr Nicholas Weber and Dr Glen Kennedy	PLIMATH
Dr Kowski Murugappan	A/Prof Paul Thomas, Professor Owen Ung, Dr Ben Green, Cr Clement Wong, Professor Liz Kenny; A/Prof Karin Steinke, Colleen Niland (UQ), Professor Sunil Lakhani (UQ)	PETAL
Ryan Sommerville	Charles Lin, Jennifer Gillespie, Paul Thomas, Brett Hughes, Gishan Ratnayake, Jason Papacostas, Touraj Taheri, Maria Sathi, Markus Barth (UQ), Steffan Bollmann (UQ), Chris Oosthuizen (Mater Hospital), Catherine Barnett (PAH), Ashvini Abeysekara (SCUH), Matthew Fielder (SCUH)	Perineural Spread
Dr Nadeeka Dissanayaka	Ms Ji Hyun (Julia) Yang (UQCCR), Prof Gerard Byrne (RBWH; UQCCR), A/Prof David Copland (UQCCR), A/Prof John O'Sullivan (RBWH; UQCCR), A/Prof Katie McMahon (QUT, HIRF), Prof Nancy Pachana (UQCCR), Prof Peter Silburn (QBI), Prof George Mellick (Griffith University), Ms Tiffany Au (UQCCR), Dana Pourzinal (UQCCR), Elana Forbes (UQCCR)	PD-MCI
Nick Weber	Samuel Kyle, Paul Thomas, Glen Kennedy, Caitlin Thiru	Multiple Myeloma
Bjorn Burgher	Nikitas Koussis (QIMR), Genevieve Whybird (QIMR), Michael Breakspear (QIMR), James Scott	Microresonance
Anders Cervin		LYRA
Ashleigh Scott	Glen Kennedy, Siok-Keen Tey, David Pattison, Paul Thomas	GE-180 PET in GVHD
Jason Butler	Haem Staff – Dr's Curley, Durrant, Morris, Pillai, Tey, Weber and Kennedy	Echo – Acerta Pharma

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
Ashleigh Scott	Glen Kennedy , Katie McMahon (<i>HIRF, QUT</i>), Olivier Salvado (<i>CSIRO</i>), Ada Lo , ZKate Thompson	MINERAL
Nicholas Weber	Haem Staff – Dr’s Curley, Durrant, Morris, Pillai, Tey, Weber and Kennedy	Beigene 304
Manoj Bhatt	David Pattison , David Wyld Matthew Burge , Rahul Ladwa (<i>PAH</i>), Peter Garcia , Kevin Lee , Samuel Kyle , Jye Smith , Steven Rose (<i>CSIRO</i>)	Ga ⁶⁸ -DOTATATE

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Kaye Petherick, Judith McLean, Lowanna Dunn, Deborah Anderson, Cynthia Cliff, Marisha McAuliffe (<i>QUT</i>)	Alison Alexander , Gillian Nasato , Michael Smith , Ian Drake , Jodie Stewart , Glen Kennedy	Cancer Care Information Portal for Cancer Patients in Brisbane’s Metro North Area
Stuart Crozier (<i>UQ</i>), Jurgen Fripp (<i>CSIRO</i>), Craig Engstrom (<i>UQ</i>), Ales Neubert (<i>CSIRO</i>), Shekhar Chandra (<i>UQ</i>)		Imaging Technologies to Measure Cartilage Structure and Composition CEST
John Woodford (<i>QIMR</i>)	James McCarthy (<i>RBWH, QIMR</i>), Paul Thomas , Jennie Roberts , Ashley Gillman (<i>CSIRO</i>), Stephen Rose (<i>CSIRO</i>)	Malaria
Sarah Ward and Michael Breakspear (<i>QIMR</i>)	Eamonn Eeles (<i>RBWH, PCH</i>), Robert Adam , Kana Appadurai , Shanthi Kanagaraja , Elizabeth Waldie , Madeleine Cameron , Suzie Thistlethwaite	FunDemental
Greig de Zubicaray (<i>QUT</i>), Sonia Brownsett (<i>QUT</i>), Matteo Mascelloni (<i>QUT</i>),	Katie McMahon (<i>HIRF, QUT</i>)	ENVPWI
Lee Reid (<i>CSIRO</i>), Jurgen Fripp (<i>CSIRO</i>)	Marita Prior , Lindy Jeffree , Alan Coulthard	CONSULT II
Maureen Ross (<i>QUT</i>), Mia Woodruff (<i>QUT</i>), Sean Powell (<i>QUT</i>), Mark Allenby (<i>QUT</i>), Andy Pandey (<i>QUT</i>), Davide Fontassa (<i>QUT</i>)	Katie McMahon (<i>HIRF/QUT</i>), Clare Berry , Maya Aghajanyan	BIOFAB
Deborah Theodoros (<i>UQ</i>), Brooke-Mai Whelan (<i>UQ</i>), Elizabeth Cardell (<i>Griffith</i>), Emma Finch (<i>UQ</i>), Adam Vogel (<i>Uni of Melbourne</i>), Stacie Park (<i>ACU</i>), Louise Cahill (<i>UQ</i>), David Copland (<i>UQ</i>), Alan Coulthard (<i>UQ</i>), Megan McAuliffe (<i>University of Canterbury</i>)	Katie Mc Mahon (<i>HIRF/QUT</i>), Anna Farrell	BeClear
Professor Michael Pender (<i>UQ</i>)	Dr Zara Ioannides , Dr A Swayne , Nanette Douglas, Gem Mackenroth and Kaye Hooper	ATA188-MS-101

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Dr Joanne George	Lions Dunning-Orlich NHMRC New Investigator Award 2019	Highest ranked NHMRC New Investigator Project grant in the Faculty of Medicine, UQ
Bjorn Burger and the Metro-North early psychosis service	Clinical Research Team Award	Metro-North Research Excellence Awards 2019
Dr Leanne Sakzewski	UQ Foundation Research Excellence Award	Research Week, The University of Queensland
Dr Philip Mosley	Australian Society for Medical Research Postgraduate Medal 2018	ASMR Awards
Dr Philip Mosley	American Society for Stereotactic and Functional Neurosurgery Best Abstract	ASSFN Biennial Meeting, Denver, 2018
Dr Philip Mosley	Parkinson’s QLD HDR Travel Award	World Parkinson Congress, Kyoto, Japan, 2019

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
Matthew Burge; Vicki Whitehall	Medical Oncology, cancer care services	Molecular Subtyping of KRAS Mutant Colon Cancers to Inform Clinical Decision Making	Tour de Cure	\$100,000.00	\$100,000.00	2019
Janette Vardy, Matthew Burge	Medical Oncology, cancer care services	CHALLENGE: Colon Health and Life Long Exercise ChaNGE.	NHMRC	\$1.121million	\$224,378.20	2019-2023
Matthew Burge	Medical Oncology, cancer care services	MONARCC study	AMGEN	\$650,000.00	\$216,666.67	2019-2021
Dr Joanne George, Dr Alex Pagnozzi, Dr Samudragupta Bora	Queensland Cerebral Palsy and Rehabilitation Research Centre, CSIRO, Mater-UQ	Prediction of childhood Brain Outcomes in infants born preterm using neonatal MRI and concurrent clinical biomarkers - PREBO-6	NHMRC	\$831,700.36	\$148,463.78	2019-2023
Riddell A	RBWH Colorectal Research Unit	Targeted Radionuclide Therapy for Metastatic Lower Gastrointestinal Tumours	Redcliffe Private Practice Fund	\$10,000.00	\$10,000.00	2019
Boyd R, Davies P, Ziviani J, Trost S, Barber L, Ware R, Rose S, Whittingham K, Whitty J, Bell K	Queensland Cerebral Palsy and Rehabilitation Research Centre (UQ), Griffith, CSIRO, Children's Health Queensland	PREDICT outcomes to inform services for children with cerebral palsy	NHMRC	\$774,450.00	\$59,932.00	2014-2020
Ryan Sommerville, Jennifer Gillespie	Head and Neck Cancer Multidisciplinary Team	Utility of High-Resolution MRI in Evaluating Perineural Spread in Head and Neck Cancers	Royal Brisbane and Women's Hospital Foundation Diamond Care Grant	\$31,200.00	\$31,200.00	2019
Dr Leanne Sakzewski, Prof Roslyn Boyd, Prof Yannick Bleyenheuft, Prof Iona Novak, Prof Catherine Elliott, Dr Catherine Morgan, Dr Kerstin Pannek	Queensland Cerebral Palsy and Rehabilitation Research Centre (UQ), Université catholique de Louvain, USyd, Curtin Uni, U Aukland, CSIRO	HABIT-ILE: A randomised trial of Hand Arm Bimanual Intensive Training Including Lower Extremity training for children with bilateral cerebral palsy	NHMRC	\$1,100,902.90	\$299,707.00	2018-2021
Dr Philip Mosley	QIMR Berghofer MRI	Brain Networks Predicting Impulsivity after Subthalamic Deep Brain Stimulation for Parkinson's Disease	Advance Queensland	\$522,000.00	\$180,000.00	2016-2019
Rutger de Zoete, Jeff Coombes, Michele Sterling	UQ	The Central Neurobiological Effects of Exercise in Individuals with Chronic Pain	UQ HABS	\$32,000.00	\$32,000.00	2019
Claire Wainwright; Dr David Reid; Scott Bell, Emmanuelle Fantino, Abdullah A Tarique; Tony Kettle, Nina Dickerhof, Jason Dowling, Andrew Paproki, Tim Rosenow, Andrew Butler	CSIRO, CHRC, TPCH, QCH, CFFR, Telethon Kids Institute	Early life origins of CF lung disease	Cystic Fibrosis Foundation	\$2.3million	\$556,574.00	2019-2021
Manoj Bhatt	Department of Nuclear Medicine, RBWH	Pilot project to assess liver metastases by comparing noel, dynamic and static functional imaging and also morphological imaging with standard of care in HQO Grade I and Grade II Neuroendocrine tumours (NET)	2016 RBWH HIRF Seed Funding Grant	\$38,500.00	\$24,700.00	2018-2019

2019 Research Publications

Journal Articles

1. B Lee, L Lipton, J Cohen, J Tie, A A Javed, L Li, D Goldstein, **M Burge**, P Cooray, A Nagrial, N C Tebbutt, B Thomson, M Nikfarjam, M Harris, A Haydon, B Lawrence, D W M Tai, K Simons, A M Lennon, C L Wolfgang, C Tomasetti, N Papadopoulos, K W Kinzler, B Vogelstein, P Gibbs, Circulating tumor DNA as a potential marker of adjuvant chemotherapy benefit following surgery for localized pancreatic cancer, *Annals of Oncology* mdz200, <https://doi.org/10.1093/annonc/mdz200>
2. Christine Semira; Hui-Li Wong, **Matthew Burge** et al. Chemotherapy and biologic use in routine management of metastatic colorectal cancer: is clinical practice following the evidence? *Internal Medicine Journal* 49 (2019) 446-54
3. Tie J, Cohen JD, Wang Y, **M Burge** et al. Serial circulating tumour DNA analysis during multimodality treatment of locally advanced rectal cancer: a prospective biomarker study. *Gut* 2019; 68:663-671
4. Shehara Mendis, Sophie Beck, Belinda Lee, Margaret Lee, Rachel Wong, Suzanne Kosmider Jeremy Shapiro Desmond Yip, Simone Steel, Louise Nott Ross Jennens, Lara Lipton, **Matthew Burge**, Kathryn Field, Sumitra Ananda, Hui-Li Wong, Peter Gibbs. Right versus left sided metastatic colorectal cancer: Teasing out clinicopathologic drivers of disparity in survival. *Asia-Pac J Clin Oncol.* 2019;1-8
5. **Matthew Burge**, Timothy Price, Christos S. Karapetis. First Line Therapy for Metastatic Colorectal Cancer: Current Perspectives and Future Directions. *Asia-Pac J Clin Oncol.* 2019; 15:3-14
6. Christine Semira, Ben Tran, **Matthew Burge**, Lara Lipton, Peter Gibbs et al. Chemotherapy and biologic use in the routine management of metastatic colorectal cancer in Australia: is clinical practice following the evidence? *Internal medicine Journal.* 49(4): 446-454, 2019
7. Cuda T, Riddell A, Lyons N, Rose S, **Wyld D, Clark D, Stevenson A**, Hooper J, Puttick S, **Thomas P**. Quantifying 68Ga-PSMA-11 Uptake in Metastatic Colorectal Cancer: A Prospective PET Imaging Pilot Study (currently under review with *Journal Nuclear Medicine*)
8. LJ Heame, DP Birney, L Cocchi, JB Mattingley. The Latin Square Task as a Measure of Relational Reasoning. *European Journal of Psychological Assessment*
9. A Kottaram, LA Johnston, L Cocchi, EP Ganella, I Everall, C Pantelis, ... Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. *Human brain mapping* 40 (7), 2212-2228
10. Cash RFH, Cocchi L, Anderson R, Rogachov A, Kucyi A, Barnett AJ, Zalesky A, Fitzgerald PB. A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. *Hum Brain Mapp.* 2019 Jul 22. doi: 10.1002/hbm.24725
11. Cash RFH, Zalesky A, Thomson RH, Tian Y, Cocchi L, Fitzgerald PB. Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. *Biol Psychiatry.* 2019 Jul 15;86(2): e5-e7. doi: 10.1016/j.biopsych.2018.12.002
12. Di Biase MA, Cropley VL, Cocchi L, Fornito A, Calamante F, Ganella EP, Pantelis C, Zalesky A. Linking Cortical and Connectional Pathology in Schizophrenia. *Schizophr Bull.* 2019 Jun 18;45(4):911-923. doi: 10.1093/schbul/sby121
13. Ren Y, Nguyen VT, Sonkusare S, Lv J, Pang T, Guo L, Eickhoff SB, Breakspear M, Guo CC. Effective connectivity of the anterior hippocampus predicts recollection confidence during natural memory retrieval. *Nature communications.* 2018 Nov 19;9(1):4875
14. Douglas RG, Psaltis AJ, Rimmer J, Kuruvilla T, **Cervin A**, Kuang Y. Phase 1 clinical study to assess the safety of a novel drug delivery system providing long-term topical steroid therapy for chronic rhinosinusitis. *Int Forum Allergy Rhinol.* 2019 Apr;9(4): 378-387. doi:10.1002/alr.22288. Epub 2019 Jan 15
15. Bachert C, Han JK, Desrosiers M... **Cervin AU**, ...Mannent LP. Efficacy and safety of dupilumab in patients with severe chronic rhinosinusitis with nasal polyps (LIBERTY NP SINUS-24 and LIBERTY NP SINUS-52): results from two multicentre, randomised, double-blind, placebo-controlled, parallel-group phase 3 trials. *Lancet.* Accepted
16. Burgess A, Boyd RN, Ziviani J, Chatfield MD, Ware RS, Sakzewski L. Stability of the Manual Ability Classification System in young children with cerebral palsy. *Developmental Medicine & Child Neurology* 2019, 61(7): 798-804. doi: 10.1111/dmcn.14143
17. Reedman S, Boyd RN, Trost SG, Elliott C, Sakzewski L. Efficacy of Participation-focused therapy on performance of physical activity participation goals and habitual physical activity in children with cerebral palsy: A randomized controlled trial. *Archives of Physical Medicine and Rehabilitation* 2019, 100(4):676-686. doi: 10.1016/j.apmr.2018.11.012
18. Sakzewski L, Sicola E, Verhage CH, Sgandurra G, Eliasson AC. Development of hand function in the first year of life of infants with unilateral cerebral palsy. *Developmental Medicine & Child Neurology* 2019, 61(5):563-569. doi: 10.1111/dmcn.14091
19. Campbell M, Ziviani J, Stocker C, Khan A, Sakzewski L. Neuromotor performance in infants before and after early open-heart surgery and risk factors for delayed development at six months of age. *Cardiology in the Young* 2019, 29(2):110. doi: 10.1017/S1047951118001622
20. Burgess A, Ziviani J, Ware RS, Boyd RN, Sakzewski L. Self-care in children with cerebral palsy and its relationship to manual ability: A longitudinal study. *Developmental Medicine & Child Neurology* 2019 61(5):570-578. doi: 10.1111/dmcn.14049
21. Mosley, P.E., Marsh, R., Perry, A., Coyne, T. & Silburn, P. (2018) Persistence of mania after cessation of stimulation following subthalamic deep brain stimulation for Parkinson's disease. *Journal of Neuropsychiatry and Clinical Neurosciences.* 30: 246-249
22. Mosley, P.E., Breakspear, M., Coyne, T., Silburn, P. & Smith, D. (2018) Caregiver burden and caregiver appraisal of psychiatric symptoms are not modified by subthalamic deep brain stimulation for Parkinson's disease. *Nature Parkinson's Disease.* 4: 12
23. Mosley, P.E., Smith, D., Coyne, T., Silburn, P., Breakspear, M. & Perry, A. (2018) The site of stimulation moderates neuropsychiatric symptoms after subthalamic deep brain stimulation for Parkinson's disease. *NeuroImage: Clinical.* 18: 996-1006
24. Mosley, P.E., Robinson, K., Coyne, T., Silburn, P., Breakspear, M. & Carter, A. (2019) A qualitative analysis of neuropsychiatric symptoms after subthalamic deep brain stimulation for Parkinson's disease. *Neuroethics.* Published online ahead of print
25. Paliwal, S., Mosley, P.E.*, Breakspear, M., Coyne, T., Silburn, P., Aponte, E. & Stephan, K. (2019) Subjective estimates of uncertainty and volatility during gambling predict impulsivity after subthalamic deep brain stimulation for Parkinson's disease. *Scientific Reports.* In press. *Co-first author

Journal Articles (cont)

26. Mosley, P.E., Paliwal, S., Robinson, K., Coyne, T., Silburn, P., Tittgemeyer, M., Stephan, K., Breakspear, M. & Perry, A. (2019) The structural connectivity of discrete networks underlies impulsivity and gambling in Parkinson's. Brain. In press.

Conference Publication (reviewed)

1. Tie J, Cohen J, Wang Y, Li L, Lee M, Wong R, Kosmider S, Wong H-L, Lee B, **Burge ME**, Tip D, Karapetis CS, Price TJ, Tebbut NC, Haydon AM, Tomasetti C, Papadopoulos N, Kinzler KW, Vogelstein B, Gibbs P. A pooled analysis of multicentre cohort studies of post-surgery circulated tumour DNA (ctDNA) in early stage colorectal cancer. J Cinc Oncol, 2019 (suppl, abstr 3518)
2. Mendis SR, Lee B, Lee M, Wong R, Kosmider S, Shapiro JD, Yip D, Steel SA, Nott LM, Jennens R, Lipton LR, **Burge ME**, Field KM, Ananda S, Beck S, Wong H-L, Gibbs P. J Cinc Oncol, 2019 (suppl, abstr 623).

2019 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. Paproki A., Dowling J, **Wainwright C**, Rose S, Invited speaker and panelist at the 2019 international cystic fibrosis workshop organized by Vertex Pharmaceuticals: “Innovative medical image informatics for improved clinical management of cystic fibrosis”
2. **Dissanayaka N**, fMRI Markers for Mild Cognitive Impairment in Parkinson's disease. Parkinson's Disease Neuroimaging Symposium, Las Vegas, USA July 2019
3. **Dissanayaka N**, Yang J, fMRI Markers for Mild Cognitive Impairment in Parkinson's disease. Department of Neurology Research Seminar Series, August 2019
4. Sakzewski L. Unmasking the black box of participation-focused therapy for children with cerebral palsy. European Academy of Childhood Disability, Paris, France, March 2019
5. Paproki A., Dowling J, Wainwright C, Rose S, invited speaker and panelist at the 2019 international cystic fibrosis workshop organized by Vertex Pharmaceuticals: “Innovative medical image informatics for improved clinical management of cystic fibrosis”.

Oral Presentations

1. Abeysekara A, **Sommerville R**, Lin C, Taheri T, **Sommerville J**. “Head and Neck Cancer with Perineural Spread: Pre-Operative MRI Compared with Histopathology Assessment of Zonal Classification”. Australian and New Zealand Head and Neck Cancer Society (ANZHNC), September 2019
2. Sakzewski L, Verhage C, Sicola E, Eliasson AC. Development of hand function during the first year of life in children with unilateral cerebral palsy. American Academy of Cerebral Palsy and Developmental Medicine, 9-13 October 2018, Cincinnati USA. Developmental Medicine & Child Neurology 2018, 60(S3):65-6
3. Mosley PE, Neurosurgery for psychiatric disorders: an update, RANZCP Congress, Cairns, Australia, 2019.

Poster Presentations

1. Wong H-L, **Burge M** et al, Understanding variation in treatment sequences and outcomes in metastatic colorectal cancer. AGITG ASM 2019
2. Kumari S, **Burge M** et al. Outcomes following resection of colorectal cancer liver metastases in the older patient. AGITG ASM 2019
3. Wong H-L, **Burge M** et al, A pooled analysis of multicentre cohort studies of post-surgery circulating tumour DNA in early stage colorectal cancer. AGITG ASM 2019
4. Collens S, Ahearn E, Kuchal A, **Pritchard W**, **Whitehall V**, **Eastgate M**, **Wyld D**, **Burge M**. Trends in RAS testing in metastatic colorectal cancer cases in a real-world cohort study. AGITG ASM 2019
5. Chong C, Jalali A, Wong H, Loft M, Wrong R, Lee M, Gately L, Shapiro JD, Kosmider S, Tie J, Ananda S, Ma B, **Burge M**, Jennens R, Tran B, Lee B, Lim L, Dean A, Nott L, Gibbs P. Evolution of RAS mutation analysis in Australasian patients with metastatic colorectal cancer. AGITG ASM 2019
6. Cuda T, Riddell A, Lyons N, Rose S, **Wyld D**, **Clark D**, **Stevenson A**, Hooper J, Puttick S, **Thomas P**. Quantifying ⁶⁸Ga-PSMA-11 Uptake in Metastatic Colorectal Cancer: A Prospective PET Imaging Pilot Study. Australia and New Zealand Society of Nuclear Medicine, Annual Scientific Meeting
7. Abeysekara A, Fielder M, **Sommerville J**, **Thomas P**, Lin C, Al Najjar A, Barth M, **Sommerville R**. “Utility of Ultra High-Resolution MRI in Evaluating Perineural Spread in Head and Neck Cancers”. The Australian Society of Otolaryngology Head and Neck Surgery (ASOHS), March 2019
8. Yang JH, **McMahon KL**, Copland DA, Byrne GJ, Mitchell LK, O'Sullivan JD, Dissanayaka NNW. *Identifying altered resting-state network in Parkinson's disease with mild cognitive impairment*. 23rd Annual Meeting of the Organisation for Human Brain Mapping, June 2019
9. Mosley PE, Structural connectivity and impulsivity after deep brain stimulation for Parkinson's disease, World Parkinson Congress, Kyoto Japan, 2019
10. Paproki A. et al. “Paediatric lung imaging – a new paradigm for cystic fibrosis management” – AEHRC colloquium abstract.

Other communications and outputs:

PAEDIATRIC A-T

The project (and MR images) has been presented at the bi-annual Ataxia-Telangiectasia clinic organized by Claire Wainwright (Queensland Children's Hospital). The images received positive from respiratory clinicians involved in AT research. The MRI protocol could be crucial in diagnosing lung disease in children with AT (manifested as anomalies similar to Cystic Fibrosis) given that these immunocompromised patients cannot get imaged using CT imaging. The results from the project have also been included in a report provided to the AT society.

HABIT-ILE: 10 News feature of HABIT-ILE (31/06/2019). <https://www.facebook.com/watch/?v=1205603096268506>.

ENVPWI: A DAAD grant application was submitted (outcome not yet known) which builds on the results of this study.



Back: Michael O'Sullivan (*HIRF Director*), Peta Gray (*HIRF Operations Manager*), Clare Berry (*HIRF Radiographer*), Katie McMahon (*HIRF Deputy-Director*), Kunal Oojorah (*Radiographer*)

Front: Hilarie Richards (*HIRF Administration Officer*), Tracey Burke (*Radiographer*)

JAMIESON TRAUMA INSTITUTE



Professor Michael Schuetz
Director

Jamieson Trauma Institute

The Jamieson Trauma Institute (JTI) is named after one of the country's most renowned and respected medical minds, Dr Kenneth Grant Jamieson. JTI's mission is to advance trauma care across Queensland and Australia through a collaboration of service and research partners and the integration of trauma services. While contributing to national and international evidence, the institute plays a key role in identification and implementation of solutions to the unique trauma issues facing Queensland.

JTI is supported by a joint funding venture between Metro North HHS and the Motor Accident Insurance Commission (MAIC) and is under the directorship of Professor Michael Schuetz. The institute is dedicated to increasing clinician-driven research and being co-located with a research-active teaching hospital is key to enhancing interactions with clinician researchers and fostering strong collaborative research partnerships. As an internationally recognised trauma and burns hospital, with strong ties to the Australian Defence Force (ADF) and with extensive research and education capacity, RBWH is a perfect fit for JTI, and will be fundamental to furthering trauma research and improvement.

Contributing to JTI's systems capability are representatives and honorary positions from Queensland University of Technology, The University of Queensland (UQ), Monash University, Royal Australian College of Surgeons, ADF UQ Military Medicine and Metro South HHS. JTI also has ongoing collaborations with Queensland Brain Institute (UQ), Herston Biofabrication Institute, the Herston Imaging Research Facility, rehabilitation services, research centres and our main funding partners, Metro North HHS (MNHHS) and MAIC.

In its second year, 2019 has seen the expansion of JTI capability with new staffing appointments and extensive collaborations resulting in a strategic research program aimed to deliver tangible outcomes. Priorities for JTI research are quality and data analytics, injury prevention, clinical trials, innovation, diagnostics, virtual and augmented reality, rehabilitation and outcome measurement, all with a focus on translation, education and training to improve patient care. This year, JTI established a new theme, Quality of Patient Care and Processes, with the goal of enhancing the efficiency of trauma management through research and innovation.

The Trauma Data Warehouse project, which aims to enable research to improve the care and outcomes of injured patients in Queensland, gained momentum this year thanks to JTI's key leadership roles. The data and analytics unit progressed research on linked trauma data, and presented analysis of trauma trends, costs and outcomes at several conferences and to key stakeholders. JTI researchers were involved in 27 collaborative clinical research projects, with 15 new initiatives in 2019 and four project completions. JTI has provided seed funding to 11 collaborative projects that will lay the groundwork for strong and ongoing collaborations with MNHHS, university and industry partners from 2020.

JTI is now delivering tangible clinical and policy benefits. The institute has established itself as the key contact for trauma-related Queensland Health Ministerial requests and briefings. It has also supported six federal government submissions using research and data to support safety regulatory initiatives related to quad bikes, personal mobility devices, such as e-scooters, and consumer products, and contributed to a literature review and consultation process to inform the National Injury Prevention Strategy development. Furthermore, research conducted at JTI has delivered a set of recommendations on pre-hospital retrieval processes for road trauma patients in Queensland.

JTI will continue to generate the evidence to support improvements in trauma care through engagement with our partners, stakeholders, end-users and patients.

JAMIESON TRAUMA INSTITUTE (CONT)

JTI THEMES:

- New: Quality of Care and Processes
- Data Quality and Analytics
- Diagnostics and Innovation
- Rehabilitation and Outcome Measurement
- Virtual Trauma Centre
- Clinical Trials
- Education and Training
- Injury Prevention.

Research highlights:

The Jamieson Trauma Institute (JTI) brings together multiple university, health service and industry partners to advance trauma prevention, research, systems, and clinical management with the goal to deliver optimal care for people who suffer a traumatic injury. The team includes experts in data analytics, injury epidemiology, rehabilitation, biostatistics and health economics, to develop a research program spanning the whole continuum of trauma care.

In 2019, its second year of activity, JTI continued to build momentum through partnerships, increased service capability and strategic planning. This year JTI's research program delivered a total of 24 peer-reviewed journal articles and several conference presentations. JTI continued to support the Trauma Data Warehouse development project, whose purpose is to integrate data across the continuum of trauma care in Queensland to facilitate system-level audits and support state-wide trauma quality improvement, inform trauma and injury prevention policy, and enable research to improve the care and outcomes of injured patients in Queensland. JTI trauma data analytics team continued accumulating and analysing linked trauma data to enable investigation of trauma trends, patterns, burden, costs, and outcomes. The team has forged a strong collaborative relationship with the Queensland Health Statistical Services Branch through various research projects. The Statistical Services Branch now regularly engages JTI to respond to all trauma-related Queensland Health Ministerial Requests and Briefings. Furthermore, the JTI trauma data analytics team were involved in four federal government submissions utilising research and data to support regulatory initiatives to improve the safety of quad bikes, personal mobility devices and consumer products. They also contributed to a literature review and consultation process to inform the National Injury Prevention Strategy development, led by the George Institute.

JTI has made significant advances in the research of traumatic brain injury (TBI), with two new projects and funding obtained for a third project commencing in 2020. Progress has also been made towards the initiation of a multicentre research project aimed at predicting patient outcomes after TBI, with promising discussions across research institutions and four major Queensland hospitals. Participation in the federal government's new Mission TBI (National TBI Committee) is key for the alignment of JTI's TBI program to national priorities. International activities include a multinational research grant awarded by the prestigious AO Foundation (world leaders in musculoskeletal surgical innovation), which will aim to improve worldwide trauma care systems through guidelines and advocacy. The establishment of the new Quality of Patient Care and Processes theme articulates JTI's engagement with research end users and service consumers.

A priority of the JTI has been seeking external funding and funding partners, with a total of nine successful research grant applications totalling \$8.8 million for use from 2020, and a JTI position funded by Clinical Excellence Queensland. JTI has provided seed funding to eleven collaborative projects that will lay the groundwork for further collaborations with MNHHS, university and industry partners in years to come.

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>
Adam Mahoney	PhD, UQ (2018-current)	The spatial epidemiology of trauma in Queensland	Michael Reade, Kirsten, Vallmuur, Cate Cameron, Kerrie Mengerson
Martha Druery	PhD, UQ (2014-current)	Psychosocial outcomes post-major burn injuries in adults – a longitudinal exploratory study	Jeff Lipman, Peter Newcombe, Cate Cameron
Erin Pitt	PhD, GU (2013-2019)	Early childhood food consumption and dietary patterns: the influence of socio-economic and demographic factors and the food environment	Tracy Comans, Cate Cameron, Lukar Thornton, Danielle Gallegos
Catherine Niven	PhD, QUT (2017-current)	Evaluating consumer product safety regulator responses to hazardous child products in Australia and USA to inform health and safety policies and improve the safety of Australian children	Kirsten Vallmuur, Ben Matthews
Kim Vuong	PhD, QUT (2015-2019)	Quads and Kids: Understanding parents' knowledge, attitudes and beliefs about safety and risks	Angela Watson, Ioni Lewis, Kirsten Vallmuur
Caroline Gillespie	PhD, QUT (2015-current)	Influencing Safety in Supply Chains: Challenges and Opportunities for Businesses	Kirsten Vallmuur, Narelle Haworth, Darren Wishart
Anthony Holley	PhD, UQ (2018-current)	Observational studies of critical care practice in the management of severe burns patients in Australia and New Zealand	Michael Reade, Jeremy Cohen, Jeff Lipman
Elissa Milford	PhD, UQ (2014-2019)	Effects on the glycocalyx of resuscitation with immunomodulatory drugs and cryopreserved blood products in preclinical and clinical trauma	Michael Reade, John-Paul Tung
Andrew Flint	PhD, Monash (2017-current)	Retrospective analysis of the effect of platelet transfusion on infection complications in critical illness	Michael Reade, Zoe McQuilten, Elizabeth Wood
Gabriela Simonova	PhD, UQ (2016-2019)	Effect of storage conditions and duration on the clinical effect of platelet and red blood cell transfusion	Michael Reade, John-Paul Tung, Melinda Dean
Phillipa Johnson	M Psych, JCUS (2018-2019)	Understanding the maternal mental health continuum	Maria Hennessy
Yi Ren Tan	M Psych, JCUS (2018-2019)	Understanding wellbeing in Singapore	Maria Hennessy, Peter Chew
Divyot Kaur	M Psych, JCUS (2018-current)	Comprehensive assessment of wellbeing in Australia	Maria Hennessy
Claire Moffatt	PhD, JCUA (2016-2019)	The development of a novel positive health framework to improve the understanding of recovery after chronic subdural haematoma	Maria Hennessy, Nerina Caltabiano, Laurence Marshman
Paul Lee-Archer	PhD, UQ (2019-current)	A randomised controlled trial of dexmedetomidine to lessen postoperative agitation in children undergoing elective surgery or radiology	Michael Reade

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
Michael Schuetz	Director, Chair of Trauma	0.5	External	Innovations, Diagnostics and Translation	QUT
Cate Cameron	Principal Research Fellow, Adjunct Associate Professor	0.6	Operational	Injury Prevention and Epidemiology	QUT
Maria Hennessy	Principal Research Fellow, Associate Professor in Clinical Psychology	1.0	Operational	Rehabilitation and Outcome Measurement	JCUS
David Douglas	Chair, Rehabilitation Medicine, Adjunct Associate Professor	0.5	Operational	Rehabilitation and Outcome Measurement	UQ

RBWH Research Staff with research roles, positions or appointments e.g. Coordinators, etc (cont)

Name <i>(RBWH Staff in bold)</i>	Type of Position	FTE	Funding Source <i>(operational/ external/in-kind)</i>	Research Program	Affiliated University/ies
Victoria McCreanor	Senior Researcher <i>(Health Economist)</i>	0.9	Operational	Quality and Data Analytics	QUT
Jacelle Warren	Statistical Analyst	0.8	Operational	Quality and Data Analytics	
Michael Reade	Clinical Representative <i>(Australian Defence Force)</i> , Professor of Military Medicine	0.1	Operational	Clinical Trials	UQ
Carl Lisec	Clinical Representative <i>(Burns and Trauma)</i> , Senior Lecturer	0.1	Operational	Burns and Trauma	UQ
Jason Brown	Clinical Representative <i>(Burns and Trauma)</i>	0.1	Operational	Burns and Trauma	
Paul Thomas	Clinical Representative <i>(Diagnostics)</i> , Associate Professor	0.25	Operational	Innovations, Diagnostics and Translation	UQ
Kevin Tetsworth	Clinical Representative <i>(Orthopaedics)</i> Adjunct Associate Professor	0.1	Operational	Orthopaedic Trauma	UQ
Beat Schmutz	Principal Research Fellow	0.5	Operational	Innovations, Diagnostics and Translation	QUT
Silvia Manzanero	Research Coordinator	1.0	Operational	n.a.	nil

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

Name	Position	FTE	Research Program	Affiliated University/ies
Cliff Pollard	Honorary Clinical Representative, Adjunct Associate Professor	Part-Time	Virtual Trauma Centre (VTC): Augmented Reality and Virtual Reality in Trauma Care	UQ
Kirsten Vallmuur	Honorary Principal Research Fellow, MAIC Principal Research Fellow	0.5	Quality and Data Analytics	QUT
Mark Midwinter	Honorary Clinical Representative, Professor of Clinical Anatomy	Part-Time	Virtual Trauma Centre (VTC): Augmented Reality and Virtual Reality in Trauma Care	UQ

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
Maria Hennessy	Dion Lo <i>(JCU)</i> , Monique Kirk <i>(JCU)</i> , Laurence Marshman <i>(JCU, TTH)</i>	Use of positive psychology interventions to improve mental health outcomes after mild to moderate TBI
Maria Hennessy	Dion Lo <i>(JCU)</i> , Monique Kirk <i>(JCU)</i> , Laurence Marshman <i>(JCU, TTH)</i>	Evaluating the needs of people who have experienced TBI in regional areas
Maria Hennessy	Karen Sullivan <i>(QUT)</i> , Heidi Zeeman <i>(Griffith)</i> , Gary Mitchell <i>(ETC)</i> , Craig Winter <i>(Neurosurgery)</i> , Victoria McCreanor <i>(TI)</i> , Jacelle Warren <i>(TI)</i>	Positive health outcomes after traumatic brain injury
Maria Hennessy	Karen Sullivan <i>(QUT)</i> , Shaun Chandler <i>(QUT)</i>	Evaluating the needs of people who have experienced TBI in regional areas
Maria Hennessy	Michael Schuetz <i>(TI)</i> , Karen Sullivan <i>(QUT)</i> , Erwin Boettinger <i>(HPI, Germany)</i> , Roberto Dillon <i>(JCU)</i> , Jason McMillen <i>(Neurosurgery)</i>	Digital health markers to predict emergence from PTA
Maria Hennessy	Laurence Marshman <i>(JCU, TTH)</i> , Jessica McLellan <i>(JCU)</i> , Lorryn Delle Baite <i>(UQ)</i>	Influence of opioids on PTA assessment
Maria Hennessy	Laurence Marshman <i>(JCU, TTH)</i> , Lorryn Delle Baite <i>(UQ)</i>	Novel cognitive and behavioural assessment of PTA
Maria Hennessy	Cate Cameron <i>(TI)</i> , Victoria McCreanor <i>(TI)</i> , Jacelle Warren <i>(TI)</i> , Kirsten Vallmuur <i>(TI)</i>	Epidemiology of traumatic brain injury in Queensland

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
Kirsten Vallmuur	Matthew Hope <i>(PAH)</i> , Ben Beck <i>(Monash)</i> , Victoria McCreanor <i>(JT)</i> , Gary Mitchell <i>(ETC)</i> , Rob Eley <i>(PAH)</i> , Shefta Huda <i>(Logan)</i> , Cate Cameron <i>(JT)</i> , Jacelle Warren <i>(JT)</i>	Personal mobility device injuries: observational study using data from Brisbane
Cate Cameron	Jacobus Ungerer <i>(Pathology)</i> , Kirsten Vallmuur <i>(JT)</i> , Jacelle Warren <i>(JT)</i> , Victoria McCreanor <i>(JT)</i> , Cliff Pollard <i>(JT)</i> , Michael Schuetz <i>(JT)</i> , Tegwen Howell <i>(Consultant)</i> , Gary Mitchell <i>(ETC)</i>	Alcohol and injury: Prevalence study at RBWH ED
Cate Cameron	Bill Loveday <i>(MRQ)</i> , Kirsten Vallmuur <i>(JT)</i> , Victoria McCreanor <i>(JT)</i> , Melanie Proper <i>(MDPC)</i> , Jacelle Warren <i>(JT)</i> , Cliff Pollard <i>(JT)</i> , Nick Graves <i>(QUT)</i>	Prevalence and impact of opioid use pre- and post-trauma in Queensland: population-based data linkage study
Cate Cameron	Matthew Hope <i>(PAH)</i> , Victoria McCreanor <i>(JT)</i> , Jacelle Warren <i>(JT)</i> , Kirsten Vallmuur <i>(JT)</i> , Kevin Tetworth <i>(JT)</i> , Cliff Pollard <i>(JT)</i>	The burden and cost of pelvic and lower extremity orthopaedic injuries from land transport crashes in Queensland
Cate Cameron	Jacelle Warren <i>(JT)</i> , Michael Muller <i>(Burns)</i> , Michael Rudd <i>(Trauma Service)</i>	Epidemiology of burns patients admitted to the state-wide Adults Burns Service in Queensland: A 10year review
Kirsten Vallmuur	Angela Watson <i>(QUT)</i> , Paul Taylor <i>(MAIC)</i> , Victoria McCreanor <i>(JT)</i> , Cate Cameron <i>(JT)</i> , Jacelle Warren <i>(JT)</i>	An examination of the quality of injury data and patterns, trends and burden of injury for informing establishment of a statewide trauma data warehouse
Kirsten Vallmuur	Angela Watson <i>(QUT)</i> , Chris Uber <i>(UQ)</i> , Belinda Gabbe <i>(Monash)</i> , James Harrison <i>(Flinders)</i> , Son Ngheim <i>(Griffith)</i> , Cate Cameron <i>(JT)</i> , Jacelle Warren <i>(JT)</i> , Victoria McCreanor <i>(JT)</i>	Evaluation of ICD-10-AM based injury severity estimation models
Kirsten Vallmuur	Angela Watson <i>(QUT)</i> , Paul Taylor <i>(MAIC)</i> , Michael Clacher <i>(QLD Treasury)</i> , Sebastian Bielen <i>(OIR)</i> , Andrew Currie <i>(WorkCover)</i> , Cate Cameron <i>(JT)</i> , Jacelle Warren <i>(JT)</i> , Victoria McCreanor <i>(JT)</i>	Feasibility, requirements, and value of data linkage of motor vehicle accident compensation, workers compensation and health data in Queensland
Cate Cameron	Maura Desmond <i>(P.A.R.T.Y.)</i> , Michael Rudd <i>(Trauma Service)</i> , Cliff Pollard <i>(JT)</i> , Kerriane Watt <i>(ICU)</i>	A retrospective analysis of data collected from the P.A.R.T.Y. (Prevent Alcohol and Risk-Related Trauma in Youth) program 2010-2018
Michael Reade	Denese Marks <i>(Red Cross)</i> , Laurence Weinberg <i>(Austin Health)</i> , David Irving <i>(Red Cross)</i> , Zoe McQuilten <i>(Monash)</i> , Craig French <i>(Uni Melb)</i> , Alistair Royle <i>(RMH)</i> , Paul Bannon <i>(RPA)</i> , Lacey Johnson <i>(Red Cross)</i> , David Gattas <i>(USyd)</i>	A phase III multicentre blinded randomised controlled clinical trial of cryopreserved platelets vs. conventional liquid-stored platelets for the management of post-surgical bleeding (The Cryopreserved vs. Liquid Platelets trial: CLIP-II)
Victoria McCreanor	Christopher Smith <i>(Physiotherapy)</i> , Greg Kneebone <i>(oapl)</i> , Jerry van de Pol <i>(Orthopaedics)</i> , Mark Cruickshank <i>(Physiotherapy)</i> , Michael Schuetz , Peter Slattery <i>(Rehabilitation Engineering)</i> , Stefan Geiselbrechtinger <i>(OPED)</i> , Venerina Johnston <i>(UQ)</i>	Streamlining aftercare for ankle fractures using digital innovation

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Robert Andrews <i>(QUT)</i>	Moe Thandar Wynn <i>(QUT)</i> , Kirsten Vallmuur <i>(JT)</i> , Arthur ter Hofstede <i>(QUT)</i> , Stephen Rashford <i>(QAS)</i> , Emma Bosley <i>(QAS)</i> , Mark Elcock <i>(RSQ)</i>	Identifying pre-hospital retrieval processes for road trauma patients in Queensland
Deborah Theodoros <i>(UQ)</i> , Louise Cahill <i>(UQ)</i>	Jacelle Warren <i>(JT)</i> , Cate Cameron <i>(JT)</i> , Kirsten Vallmuur <i>(JT)</i>	Distribution and type of inpatient allied health services provided to patients following road traffic crashes across Queensland
David Liu <i>(UQ)</i>	Jason Pincus <i>(ICU)</i> , Elizabeth Hallt <i>(RBWH)</i> , Michael Reade <i>(JT)</i>	Clonidine at Low dosage postoperatively to Nocturnally Enhance Sleep (CLONES) phase II pilot trial
Stephen Bernard <i>(Monash)</i>	Michael Reade <i>(JT)</i> , Biswadev Mitra <i>(Monash)</i> , Russell Gruen <i>(ANU)</i> , Dashiel Gantner <i>(Alfred)</i> , Brian Burns <i>(USyd)</i> , Zsolt Balogh <i>(Uni Newcastle)</i>	Pre-hospital anti-fibrinolytics for traumatic coagulopathy and haemorrhage-2 (The PATCH2 Study)

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

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Gary Mitchell (ETC)	Cliff Pollard (JTI), Fatima Nasrallah (UQ), Michael O'Sullivan (UQ), Jason Ross (CSIRO), Louise Cullen (ETC), Jack Taylor (ETC), Nathan Brown (ETC)	The sensitivity and specificity of brain-origin circulating cell free DNA (ccfDNA) for the diagnosis of concussion and prediction of intracranial injuries
Peter Slattery <i>(Rehab Engineering)</i>	David Douglas (JTI), Silvia Manzanero (JTI), Oliver Mason (Rehab Engineering), Gunjeet Minhas (Pain Service), Sean Powell (QUT), David Forrestal (QUT), Jacob Skewes (QUT), Mia Woodruff (QUT), Carey Bayliss (MSHHS Spinal Outreach Team), Lucy Maugham (MSHHS Spinal Outreach team), Shailendra Maharaj (QCH), Kristen Morris (Medical Aids Subsidy Scheme)	Personalised 3D printed reactive cushions for pressure wound management
Mathilde Desselle (QUT)	Paul Gray (Pain Service), Elizabeth Vujcich (Burns), Jason Brown (Burns)	Virtual Reality for Burn/Trauma Care
Ashish Wadhawan (Orthopaedics)	Michael Schuetz (JTI), Kevin Tetsworth (JTI), Beat Schmutz (JTI), Pierrick Bourgeat (CSIRO), Jurgen Fripp (CSIRO)	Development of an Artificial Intelligence screening system to identify patients requiring a CT scan following distal radius fractures

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Milford EM, Reade MC (JTI)	Felicity Hawker Prize for the best presentation by an Advanced Trainee of the College of Intensive Care Medicine of Australia and New Zealand for "Characterisation of the prolonged time course of syndecan-1 blood concentration as a marker of the endotheliopathy of trauma: a pilot cohort study."	College of Intensive Care Medicine of Australia and New Zealand Annual Scientific Meeting, Cairns, 2019

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
Cameron CM , Loveday B, Vallmuur K , Graves N, Proper M, Warren J , Bradford N, Carter H, Pollard C	JTI, Multidisciplinary Pain Centre	Opioid use in Queensland trauma patients: population-based data linkage study	RBWH and RBWH Foundation	\$36,809	\$36,809	2019
Mitchell R, Cameron CM	JTI	Impact of chronic health conditions and injury on school performance and health outcomes of children: pilot study	Philanthropic Funds	\$77,639	\$77,639	2019
Patel B, Rudd M, Pollard C	JTI, Trauma Service	Management of Splenic Injuries in Queensland: Retrospective trend analysis over 5 years and one-year prospective evaluation of clinical practice guideline implementation	2019 MAIC-RCS Trauma Scholarship	\$66,000	\$66,000	2019
Hunter K, Keay L, Lukaszyk C, Brown J, Clapham K, Curtis K, Ivers R, Cullen P, Vallmuur K , Scott D, Mitchell R	JTI	National Injury Prevention Strategy – Literature Review	Australian Government – Department of Health	\$131,756	\$131,756	2019
Brown J , Zephania Tyack, Steven McPhail, Michelle Donovan	JTI, Burns	Feasibility, acceptability, costs and preliminary effects of an innovative ablative fractional CO2 laser service for people with burns scars	RBWH and RBWH Foundation	\$39,944	\$39,944	2019
French C, Nichol A, Bellomo R, Cooper DJ, Bailey M, Higgins A, McArthur C, Hodgson C, Gabbe B, Duranteau J, Presneill J, Rosenfeld J, Napolitano L, Skrifvars M, Reade MC , Pettila V	ICU, JTI	ErythroPoietin alfa to prevent mortality and reduce severe disability in critically ill TRAUMA patients: a multicentre, stratified, double blind, placebo randomised controlled trial. (The EPO-TRAUMA trial)	MRFF	\$3.5 million	\$700,000	2019-2024

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
Reade MC , Marks D, Weinberg L, Irving D, McQuilten Z, French C, Royse A, Bannon P, Johnson L, Gattas D	ICU, JTI	A phase III multicentre blinded randomised controlled clinical trial of cryopreserved platelets vs. conventional liquid-stored platelets for the management of post-surgical bleeding (The Cryopreserved vs. Liquid Platelets trial: CLIP-I)	NHMRC	\$1.8 million	\$450,000	2019-2023
Bernard S, Mitra B, Gruen R, Gantner D, Reade MC , Burns B, Balogh Z	ETC, ICU, JTI	Pre-hospital anti-fibrinolytics for traumatic coagulopathy and haemorrhage-2 (The PATCH2 Study)	NHMRC	\$656,000	\$328,000	2019-2020

2019 Research Publications

Journal Articles

- Andrews R, Wynn MT, **Vallmuur K**, Hofstede AHM, Bosley E, Elcock M. Leveraging Data Quality to Better Prepare for Process Mining: An Approach Illustrated Through Analysing Road Trauma Pre-Hospital Retrieval and Transport Processes in Queensland. *International Journal of Environmental Research and Public Health*. 2019. <https://doi.org/10.3390/ijerphxx010000>
- Butson B, Pearson A, & **Reade MC**. Project Wantok Haus Sik. *Journal of Military and Veterans' Health*. 2019;27(4):67-68
- Curtis K, Gabbe B, Shaban RZ, Nahidi S, Pollard C, **Vallmuur K**, ... Christey G. Priorities for trauma quality improvement and registry use in Australia and New Zealand. *Injury*. 2019. <https://doi:10.1016/j.injury.2019.09.033>
- Dhanani J, Roberts J, **Reade MC**. Nebulized tranexamic acid for hemoptysis associated with submassive pulmonary embolism. *Journal of Aerosol Medicine and Pulmonary Drug Delivery*. 2019. <http://doi.org/10.1089/jamp.2019.1534>
- Frossard L, Jones MWM, Stewart I, Leggat PA, **Schuetz M**, Langton C. Kinetics of lower limb prosthesis: automated detection of vertical loading rate. *Prosthesis*. 2019;1(1)16-28
- Holley AD, Reade MC**, Lipman J, Delaney A, Udy A, Lee R, ... Cohen J. Survey of critical care practice in Australian and New Zealand burn referral centres. *Critical Care and Resuscitation*. 2019;21(4):303-304
- Irving A, Higgins A, Ady B, Bellomo R, Cooper D J, French C, ... McQuilten ZK (inc. **Reade MC**). Fresh Red Cells for Transfusion in Critically Ill Adults: An Economic Evaluation of the Standard Issue Transfusion Versus Fresher Red-Cell Use in Intensive Care (TRANSFUSE) Clinical Trial. *Critical Care Medicine*. 2019;47(7):e572-e579. <https://doi:10.1097/ccm.0000000000003781>
- Karbyshva S, Butini ME, Di Luca M, Winkler T, **Schuetz M**, Trampuz A. Chemical biofilm dislodgement with chelating and reducing agents in comparison to sonication: implications for the diagnosis of implant associated infection. *bioRxiv*. 2019. <https://doi.org/10.1101/604637>
- Milford EM and **Reade MC**. Resuscitation fluid choices to preserve the endothelial glycocalyx. *Critical Care*. 2019. <https://doi.org/10.1186/s13054-019-2369-x>
- Moffatt C, **Hennessey MJ**, Marshman LAG, Manickam A. Long-term health outcomes after chronic subdural haematoma. *Journal of Clinical Neuroscience*. 2019. <https://doi.org/10.1016/j.jocn.2019.04.039>
- Niven CM, Mathews B, Harrison JE, & **Vallmuur K**. Hazardous children's products on the Australian and US market 2011-2017: an empirical analysis of child-related product safety recalls. *Injury Prevention*. 2019. <https://doi:10.1136/injuryprev-2019-043267>
- Reade MC**. Addressing high practice variability in reported management of burns. *Critical Care and Resuscitation*. 2019;21(4):233-235
- Reade MC**. Delirium: one size does not fit all. *Internal Medicine Journal*. 2019;49(12):1469-1471. <https://doi:10.1111/imj.14656>
- Reade MC**. How urgent is an urgent craniotomy in the deployed military context? A retrospective observational study. *Journal of Military and Veterans' Health*. 2019;27(4):48-49
- Reade MC**. Prehospital antibiotics – a narrative review and rationale to change ADF practice. *Journal of Military and Veterans' Health*. 2019;27(4):66
- Reade MC**, Marks DC, Bellomo R, Deans R, Faulke DJ, Fraser JF, Gattas DJ, Holley AD, Irving DO, Johnson L, Pearse BL, Royse AG, Wong J. A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: The CLIP-I trial. *Transfusion*. 2019. <https://doi.org/10.1111/trf.15423>
- Russow G, **Schuetz M**, Berner A. Locking Plate Osteosynthesis. *OP-Journal*. 2019. <https://doi.org/10.1055/a-0755-0171>
- Shehabi Y, Howe BD, Bellomo R, Arabi YM, Bailey M, Bass FE, Kadiman S, MacArthur C, Murray L, **Reade MC**, ... Webb SA. Early Sedation with Dexmedetomidine in Critically Ill Patients. *The New England Journal of Medicine*. 2019;380(26):2506-2517. <https://doi:10.1056/NEJMoa1904710>
- Simonova G, Dean MM, **Reade MC** & Tung J-P. Characterization Of Immunomodulatory Mediators In Conventional And Cryopreserved Sheep Platelet Concentrates. *ISBT Meeting, Basel. Vox Sanguinis*. 2019;114(Suppl 1):226. <https://doi.org/10.1111/vox.12792>

Journal Articles (cont)

20. Simonova G, Dean MM, **Reade MC** & Tung, JP (2019). Characterization of immunomodulatory mediators in sheep packed red blood cells: development of a robust transfusion model. ISBT Meeting, Basel. Vox Sanguinis. 2019;114(Suppl 1):226. <https://doi.org/10.1111/vox.12792>
21. Simonova G, Dean MM, **Reade MC** & Tung J-P (2019). Towards understanding of post-transfusion immunomodulation: sheep immune responses to lipopolysaccharide. ISBT Meeting, Basel. Vox Sanguinis. 2019;114(Suppl 1):226. <https://doi.org/10.1111/vox.12792>
22. Simonova G, Temple F, Johnson L, Marks D, **Reade MC** & Tung J-P, The Storage Mode of Sheep Platelet Concentrates Differentially Affects Microparticle Formation. ISBT Meeting, Basel. Vox Sanguinis. 2019;114 (Suppl 1):111. <https://doi.org/10.1111/vox.12792>
23. Smits E, Brakenridge C, Gane E, **Warren J**, Heron-Delaney M, Kenardy J & Johnston V. Identifying risk of poor physical and mental health recovery following a road traffic crash: An industry-specific screening tool. Accident Analysis & Prevention. 2019;132:105280. <https://doi.org/10.1016/j.aap.2019.105280>
24. Zenzes M, Bortel EL, Fratzl P, Mundlos S, **Schuetz M**, Schmidt H, Duda GN, Witte F, Zaslansky P. Normal trabecular vertebral bone is formed via rapid transformation of mineralized spicules: A high-resolution 3D ex-vivo murine study. Acta Biomaterialia. 2019. <https://doi.org/10.1016/j.actbio.2018.12.050>

2019 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **Schuetz M**. Working together: RACS QTC, STCN, JTI. RBWH Trauma Symposium, Brisbane, 22 February 2019
2. **Reade M**. How a military hospital prepares for a mass casualty event. ISICEM, Brussels, 19-22 March 2019
3. **Reade M**. Is clonidine just as good as dexmedetomidine? ISICEM, Brussels, 19-22 March 2019
4. **Reade M**. Prehospital antibiotic administration. ISICEM, Brussels, 19-22 March 2019
5. **Reade M**. How to get patients to sleep? ISICEM, Brussels, 19-22 March 2019
6. **Reade M**. Nerve agents: saving the patient and protecting the staff. ISICEM, Brussels, 19-22 March 2019
7. **Reade M**. How urgent is an urgent craniotomy? ISICEM, Brussels, 19-22 March 2019
8. **Brown J**. Biofabrication in Burns Treatment. 2019 Herston Biofabrication Institute Conference, Brisbane, 22 March 2019
9. **Tetsworth K**. Biofabrication in Orthopaedics. 2019 Herston Biofabrication Institute Conference, Brisbane, 22 March 2019
10. **Midwinter M**. Augmented Reality and Virtual Reality in Clinical Practice. 2019 Herston Biofabrication Institute Conference, Brisbane, 22 March 2019
11. **Reade M**. Defence Force transfusion innovations. ANZCA ASM, Kuala Lumpur, Malaysia, 1 May 2019
12. **Lisec C**. Trauma Update: Burns. QLD Autumn Symposium, Brisbane, 23 May 2019
13. **Schuetz M**. Improving the clinical outcome of peri-implant infections through multidisciplinary management and clinical guidelines. AOTP Scientific Congress, Taipei, Taiwan, 25 May 2019
14. **Brown J**. Laser for Burns Scar/Novosorb BTM. 6th National Burns Survivors Forum, Sunshine Coast, 30 May 2019
15. **Reade M**. Trials on the horizon. 2019 College of Intensive Care Medicine Annual Scientific Meeting, Cairns, 6-9 June 2019
16. **Reade M**. Blast. 2019 College of Intensive Care Medicine Annual Scientific Meeting, Cairns, 6-9 June 2019
17. **Vallmuur K**. Queensland Trauma Data Warehouse: Reading between the lines. 2019 College of Intensive Care Medicine Annual Scientific Meeting, Cairns, 6 - 9 June 2019
18. **Schuetz M**. Quality of Life, Pain and Mental Health Outcomes. IMPACT 2019, Brisbane. 10 Sep 2019
19. **Reade MC**. Military critical care. World Congress of Intensive Care, Melbourne. 14-18 Oct 2019
20. **Pollard C**, Best D, Faulkner B, Midwinter M, Phillips J, Poyser S, Santamauro C, Shuker M. Using Augmented Reality to improve Point-of-Care Support for Rural Generalists. Rural Medicine Australia 2019, Gold Coast. 26 Oct 2019
21. **Vallmuur K**. The value of linked health data for enhancing CTP scheme insights - Early findings. Rehabilitation Industry Group Meeting, Brisbane. 2 Dec 2019.

Oral Presentations

1. **Brown J** & Black N. Initial Experience and Cost Implications with a Novel Biodegradable Temporising Membrane (BTM) in Major Burns over 40%. JAB Burns Symposium, Maui, 5 February 2019
2. **Brown J** & Black N. Self-Immolation: A 20 Year Experience of Severe Self-Inflicted Burns in a State-Wide, Tertiary, Australian Burns Service. JAB Burns Symposium, Maui, 5 February 2019
3. Andrews R, Wynn M, ter Hofstede A, **Vallmuur K**, Bosley E, Rashford S, Elcock M. Getting There: Evidence-based Decision-making in Road Trauma Pre-hospital Transport and Care in Queensland. WADEM Congress on Disaster and Emergency Medicine, Brisbane, 7-10 May 2019
4. Santamauro C, McCurdie T, **Pollard C**, Shuker M. Exploring the Feasibility of Wearable Technologies to Provide Interactive Telepresence Sub-Specialist Support to Remote Clinicians Treating Patients with Traumatic Injuries. WADEM Congress on Disaster and Emergency Medicine, Brisbane, 7-10 May 2019

Oral Presentations (cont)

5. **Schuetz M.** International Trauma Services. WADEM Congress on Disaster and Emergency Medicine, Brisbane, 7-10 May 2019
6. **Reade M.** Does the Golden Hour Exist? WADEM Congress on Disaster and Emergency Medicine, Brisbane, 7-10 May 2019
7. Milford E, **Reade M.** Characterisation of the prolonged time course of syndecan-1 blood concentration as a marker of the endotheliopathy of trauma: a pilot cohort study. 2019 College of Intensive Care Medicine Annual Scientific Meeting, Cairns, 6-9 June 2019
8. **Reade MC.** Coagulopathy and fibrinolysis in trauma. Australian and New Zealand College of Veterinary Science Annual Scientific Conference, Gold Coast. 5 Jul 2019
9. **Reade MC.** Cryopreserved platelets in trauma. XXVII Congress of the International Society on Thrombosis and Haemostasis, Melbourne. 17 Jul 2019
10. **Reade MC.** Innovations in ADF transfusion practice: frozen platelets, freeze-dried plasma and whole blood. Australian Institute of Medical Scientists (AIMS) and the New Zealand Institute of Medical Laboratory Science (NZIMLS) Annual Scientific Congress, Gold Coast. 17 Sep 2019
11. Patel B, **Pollard C**, Wall D, Bain R, Davies S, Mott N, Grieve J, Rashid M, Ericksen D, Wullschlegler M, Rudd M. Outcomes of Splenic Injuries. Australasian Research Management Society, Adelaide. 17-20 Sep 2019
12. **Reade MC.** Sedation to avoid delirium – possible? World Congress of Intensive Care, Melbourne. 14-18 Oct 2019
13. Smits E, Brakenridge C, Gane E, **Warren J**, Heron-Delaney M, Kenardy J, Johnston V. A tool to identify risk of non-return to work following a road traffic crash: a screening tool. Transform 2019: Physiotherapy Conference, Adelaide, 19 Oct 2019
14. **Vallmuur K.** Responsive surveillance for prevention policy: A case study of the lime scooter trial in Brisbane. 14th Australasian Injury Prevention and Safety Promotion Conference, Brisbane. 25 Nov 2019
15. **Cameron C**, **Vallmuur K**, Tippet V, **Pollard C**, **Schuetz M.** Queensland Injury Prevention Knowledge Hub (QIP-KHub). 14th Australasian Injury Prevention and Safety Promotion Conference, Brisbane. 25-27 Nov 2019
16. **McCreanor V**, Hope M, **Cameron C**, **Warren J**, **Vallmuur K**, **Pollard C.** The burden and cost of pelvic and lower limb orthopaedic injuries from land transport crashes in Queensland. 14th Australasian Injury Prevention and Safety Promotion Conference, Brisbane. 25-27 Nov 2019
17. **McCreanor V**, **Warren J**, **Cameron C**, **Vallmuur K**, **Pollard C**, Hope M. Burden and cost of pelvic and lower limb injuries from road traffic crashes, in Queensland. 11th Health Services and Policy Research Conference, Auckland, NZ. 4-6 Dec 2019
18. **Reade MC.** Optimizing the management of pain, agitation/sedation and delirium throughout the ICU stay. Shaping Critical Care conference, Taipei, Taiwan. 2019
19. Flint A, McQuilten Z, Smith J, Bailey M, **Reade MC.** Predictive model for platelet transfusion in patients with acute haemorrhage. Military Health Services Research Symposium, Orlando, Florida, USA. 2019
20. **Reade MC.** Is the golden hour still relevant on the modern battlefield? United States Central Command Medical Co-operation and Exchange meeting, Tampa, Florida. 2019.

Poster Presentations

1. Devlin M, Williamson F, Wall D, Daelman T, Rudd M, Lipp T, Hamilton A, Handy M, Ross J, Jackman K, Grant K, Pearce S, Smith R, Lewis J, Vohland J, Grant A, Zheng O, Ashurst C, Klan M, Hacking C, Cleland P, **Warren J**, **Cameron C.** Performing the tertiary survey: A comparison of medical officer and trauma nurse. Poster presented at RBWH Trauma Symposium, Brisbane, 22 February 2019
2. Sharpless M, **Reade MC.** How long is too long? Identifying the culprit drug in anaphylaxis by timing of exposure – case report and literature review. ANZCA ASM, Kuala Lumpur, Malaysia, 1 May 2019
3. **Lisec C** & Sivasuthan G. Imaging in the diagnosis of thoracoabdominal penetrating injuries. RACS Scientific Meeting, Bangkok, 6-10 May 2019
4. **Lisec C** & Sivasuthan G. Epidemiology of penetrating thoracoabdominal trauma. RACS Scientific Meeting, Bangkok, 6-10 May 2019
5. **Hennessy M**, Stone K. Understanding the search for meaning in life: relationships with mental health, wellbeing and level of presence. 6th World Congress of Positive Psychology, Melbourne. 18-21 Jul 2019
6. **Warren J**, Theodoros D, **Vallmuur K**, **Cameron C**, Cahill L, Sterling M, Johnston V. Distribution and type of inpatient allied health services for people following road traffic crashes across Queensland – where are the gaps? National Allied Health Conference, Brisbane. 5-8 Aug 2019
7. **McCreanor V**, **Cameron C**, **Warren J**, **Vallmuur K**, **Pollard C.** The burden and cost of injury-related admissions in Queensland. Trauma 2019, Sydney. 4-6 Oct 2019
8. **Reade MC.** PATCH trial. College of Intensive Care Medicine of Australia and New Zealand Annual Scientific Meeting, Cairns. 2019
9. **Reade MC.** Challenges and opportunities in delivering deployable healthcare to the next war. NSW Defence Regional Health Advisory Group Annual Conference, Sydney. 2019
10. **Reade MC**, Bushby T, Davies K, Beresford-Jones P, Palling J, Evans N, Hasse K, Maher G. Prolonged Field Care. Combined Army Health Corps National Conference, Brisbane. 2019.

Other communications and outputs:

GOVERNMENT SUBMISSIONS

Vallmuur K, Hope M, Beck B. Response to ACCC Quad bike safety standard exposure draft. July 2019. Response developed for the ACCC consultation.

Hunter K, Bestman A., Elkington J., Anderst A., Scott D, Cullen P, Mitchell R, Clapham K, Killian J, Curtis K, Beck B, **Vallmuur K**, Lukaczyk C, Ivers RQ, Keay L, Brown J. National Injury Prevention Strategy – Literature Review. July 2019. Report developed for the Australian Government Department of Health.

Niven C, **Vallmuur K**, Barker R, Warren-Wright K, Teerds S, Strachan D, Hope M, Beck B. Collaborative Response to the Consultation Regulatory Impact Statement (CRIS): Improving the Effectiveness of the Consumer Product Safety System. Nov 2019. Response developed for the Australian Competition and Consumer Commission consultation.

Vallmuur K, Hope M, Beck B. Response to NTC Collaborative Response to the Consultation Regulatory Impact Statement (CRIS): Barriers to the safe use of personal mobility devices. Dec 2019. Response developed for the National Transport Commission consultation.

REPORTS

Harrison JE, Watson A, Vallmuur K. A National Approach to Measuring Non-fatal Crash Outcomes. Austroads Research Report AP-R599-19. 2019. <https://austroads.com.au/publications/road-safety/ap-r599-19>.

PARLIAMENTARY BRIEFING NOTES

Six Parliamentary Briefing Notes (hot issues) prepared for Minister for Health for AIHW embargoed reports on:

1. Pedal cyclist deaths and hospitalisations, 1999-00 to 2015-16
2. Injury of Aboriginal and Torres Strait Islander people due to transport 2010-11 to 2014-15
3. Mobility scooter-related injuries and deaths
4. Hospitalised injury and socioeconomic influence in Australia 2015-16
5. Injury mortality and socioeconomic influence in Australia 2016-16
6. Trends in injury deaths Australia 1999-00 to 2016-17.



Left – Right Rachael Brown, Jacelle Warren, Sophie Trenery, Rosalind Wendt, Michael Schuetz, Silvia Manzanero, Cate Cameron, Nathan Valentine, Kirsten Vallmuur, Dihan Aponso, Shehera Banu, Beat Schmutz, Victoria McCreanor, Brett Droder, Lisa Whittaker.



DNA

molecule

-CaH₂

ALLIED HEALTH

ALLIEDHEALTH PROFESSIONALS



Mr Peter Buttrum
Executive Director
Allied Health

The Allied Health Professions (AHP) service line comprises **Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Rehabilitation Engineering, Social Work and Speech Pathology**, as well as the **Clinical Multimedia Unit**.

Allied Health is committed to the integration of research within clinical care and actively contributes to the achievement of the RBWH vision to be a world class academic health centre. This research investment, along with ongoing education, underpins the evidence base, effectiveness, and efficiency of our service delivery, and outcomes are aimed at transforming clinical service delivery within the rapidly changing healthcare environment.

Allied health researchers are leading research in almost all service lines and clinical areas in RBWH, with research focus areas including:

- Evaluation of innovative models of care (primary contact services, advanced and extended scope of practice roles incl. medication prescription, pathology ordering, mHealth, telehealth)
- Consumer engagement and co-design (patient experience, outcome measurement)
- Technology solutions to complex problems (personalised 3D printing for pressure cushions, virtual reality immersion for burns procedures, app development for chronic pain and cochlear implants).

Investment in supporting clinicians to undertake research as part of practice has been a cornerstone of Allied Health research capacity building both throughout Metro North and the RBWH over recent years. In 2019 we have actively implemented the Allied Health Translating Research into Practice (AH-TRIP) program, with staff participating in knowledge translation training, developing networks to support clinicians undertaking knowledge translation and winning three awards in local and statewide showcase events. Dedicated research coordinator positions across most disciplines provide practical support to clinicians in evaluating their everyday practice, resulting in improved patient care and important end user knowledge to the wider academic community. Currently there are 27 of our RBWH Allied Health Practitioners undertaking a research higher degree (RHD). Our experienced researchers are involved in the supervision of an additional 23 RHD students across multiple universities; many of these students undertaking vital research that contributes to enhanced service delivery and patient care. We had three clinicians, Dr Julie Adsett (Physiotherapy), Dr Kylie Matthews and Dr Angela Byrnes (both Nutrition and Dietetics), complete their PhD in 2019.

In 2019, research outputs in Allied Health has continued to grow, with highlights including:

- \$1.7M of research funding provided in 2019, with a further \$1.3M in new grants awarded
- 186 allied health-led research and service evaluation projects across all departments
- 36 research awards, including three Highly Commended awards at the MNHHS Research Excellence Awards and five international conference prizes
- 67 peer-reviewed publications including one book chapter
- 61 presentations at national and international conferences
- 45 research positions (funded research coordinator positions, conjoints and honorary appointments).

The allied health research agenda continues to grow in diversity and impact with a wide range of multidisciplinary health service collaborators and university partners. The future is bright, with opportunities for growing health service research agenda with the new STARS facility and four new conjoint STARS/UQ AH research positions to come in 2021. We appreciate and thank the contribution of all our university partners and collaborators across MNHHS and RBWH service lines, without whom this level of research success would not be possible and look forward to their ongoing collaboration. Finally, and most importantly, sincere thanks and congratulations are extended to all Allied Health staff for their dedicated efforts and achievements in 2019.

CENTRE FOR ALLIED HEALTH RESEARCH

The Centre for Allied Health Research (CAHR) is a network of Allied Health clinician researchers with a focus on building capacity for high quality research and evaluation within everyday clinical practice. The vision is to facilitate advances to health care and service delivery that translate into improvements to patient outcomes. The team provide support to both experienced and novice clinicians in developing and implementing health services research and evaluation within their practice.

In 2019, the focus of CAHR activities continues to be supporting research capacity in AH departments who are relatively new to research. This resulted in a poster presentation at an international conference for the Orthotics and Prosthetics department, and several new service evaluation and research projects in Orthotics and Prosthetics, Rehabilitation Engineering and Psychology.

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
Peter Buttrum	Adjunct Associate Professor		In-kind	School of Health and Rehabilitation Sciences	UQ
Adrienne Young	Principal Research Fellow	0.5	Operational	Centre for Allied Health Research	NA
	Sessional Assoc Professor	1hr/mth	In-kind	Faculty of Health Sciences and Medicine	Bond University
Angela Chang	Research Coordinator	0.5	Operational	Centre for Allied Health Research	NA
	Honorary Senior Lecturer	1hr/mth	In-kind	School of Health and Rehabilitation Sciences	UQ
Kylie Matthews	Research Coordinator	0.3 (May-Nov)	Operational	Centre for Allied Health Research	NA

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
Angela Chang	Anna Farrell (<i>Speech Pathology</i>), Marilyn Banks (<i>Nutrition and Dietetics</i>), Peter Buttrum (<i>Allied Health</i>)	How much time do allied health clinicians spend undertaking research?
Angela Chang	Susie de Jersey (<i>Nutrition and Dietetics</i>), Anna Farrell (<i>Speech Pathology</i>), Jenny Strong (<i>Occupational Therapy</i>), Adrienne Young , Gai Harrison (<i>Social Work</i>), Jennifer Paratz (<i>Physiotherapy</i>), Peter Buttrum (<i>Allied Health</i>), Marilyn Banks (<i>Research</i>)	Understanding research capacity and outputs in allied health workforce at RBWH
Adrienne Young	Sally Bennett (<i>UQ</i>), Gill Harvey (<i>University of Adelaide</i>), Sally Barrimore (<i>MNHHS AH</i>), Katrina Campbell (<i>MNHHS AH</i>), Ashley Cameron (<i>AHPOQ</i>), Shelley Wilkinson (<i>Mater</i>), Ingrid Hickman (<i>PAH</i>)	Evaluating an allied health knowledge translating training and support initiative

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
Alice Pender <i>(Audiology)</i>	Carla Rose <i>(Audiology)</i> , Angela Chang , Kylie Matthews , Tracy Comans <i>(UQ)</i>	Patient outcomes following cochlear implant surgery
Amber Jones <i>(OT)</i>	Perry Judd <i>(PT)</i> , Michelle Cottrell <i>(PT)</i> , Anita Plaza <i>(PT)</i> , Andrea McKittrick <i>(OT)</i> , Angela Chang , Clare Burns <i>(SP)</i>	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care
Amber Jones <i>(OT)</i>	Perry Judd <i>(PT)</i> , Michelle Cottrell <i>(PT)</i> , Anita Plaza <i>(PT)</i> , Andrea McKittrick <i>(OT)</i> , Angela Chang , Adrienne Young , Clare Burns <i>(SP)</i> , Hannah Carter <i>(AusHSI)</i>	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the RE-AIM approach
Andrew MacDonald <i>(Orthotics and Prosthetics)</i>	Brian Delaney <i>(Orthotics and Prosthetics)</i> , Helen McDonald <i>(Orthotics and Prosthetics)</i> , Adrienne Young	Feasibility of implementing plantar pressure mapping software into routine practice for the treatment of individuals with Diabetic Foot Disease in the RBWH Orthotics and Prosthetics Department
Carla Rose <i>(Audiology)</i>	Alice Pender <i>(Audiology)</i> , Angela Chang , Clare Burns <i>(SP)</i> , Kylie Matthews , Trevor Russell <i>(UQ)</i>	Using telehealth to manage patients following cochlear implant surgery
Genesta Nicolson <i>(Psychology)</i>	Angela Chang , Kylie Matthews , Angela White <i>(Psychology)</i>	Implementing an evidence-based multidisciplinary pre-medical group education day for non-urgent referrals to the Professor Tess Cramond Multidisciplinary Pain Centre
Katrina Campbell <i>(Allied Health, MNHHS)</i>	Angela Chang , Adrienne Young , Michelle Stute <i>(Allied Health, MNHHS)</i> , Sally Barrimore <i>(Allied Health, MNHHS)</i> , Norm Morris <i>(TPCH)</i>	Research Culture, Capacity and Translation across Allied Health Services in Metro North
Maree Raymer <i>(Physiotherapy)</i>	Patrick Swete Kelly <i>(Physiotherapy)</i> , Louise Wellington <i>(Physiotherapy)</i> , Angela Chang	Consultation process to facilitate the development and trial of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles
Matthew Leong <i>(Thoracic Medicine)</i>	Michael Brown <i>(Thoracic Medicine)</i> , Dinithi Samarunga <i>(Thoracic Medicine)</i> , Angela Chang	Encouraging Nasal/nasal pillow masks during initial titration reduces recommended CPAP pressures and improves titration outcomes
Michelle Stute <i>(Allied Health, MNHHS)</i>	Peter Buttrum , Merrilyn Banks <i>(Research)</i> , Maree Raymer <i>(Physiotherapy)</i> , Tracy Comans <i>(UQ)</i> , Sonia Sam <i>(Allied Health MNHHS)</i> , Nicole Moretto <i>(Allied Health MNHHS)</i> , Marita Plunkett <i>(Allied Health)</i>	Allied Health Specialist Clinics Project
Perry Judd <i>(PT)</i>	Paula Easton <i>(Mackay Base Hospital)</i> , Michelle Cottrell <i>(PT)</i> , Tracy Comans <i>(UQ)</i> , Angela Chang	Delivery of Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments from RBWH to Mackay Hospital via Telehealth
Stephanie Fountain <i>(RE)</i>	Oliver Mason <i>(RE)</i> , Peter Slattery <i>(RE&O&P)</i> , Angela Chang , Adrienne Young	Outcome Measurement in Rehabilitation Engineering
Susie de Jersey <i>(Nutrition and Dietetics)</i>	Elizabeth Eakin <i>(UQ, SPH)</i> , Shelley Wilkinson <i>(Mater)</i> , Tracy Comans <i>(CAHR)</i> , Leonie Callaway <i>(UQ, WNBS)</i> , Claire Gardiner, Taylor Guthrie, Hilary Jimmieson, Angela Chang	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
Yuta Arai <i>(O&P)</i>	Steven Walker <i>(O&P)</i> , Brian Delaney <i>(O&P)</i> , Jessica Angus <i>(O&P)</i> , Kylie Matthews	Retrospective cohort study comparing three halo management protocols and the incidence of adverse events

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Ingrid Hickman, Adrienne Young , Ashley Cameron, Shelley Wilkinson, Katrina Campbell, Rhiannon Barnes, Sally Barrimore	President's Award for Innovation	Dietitians Association of Australia National Conference, 2019
Nicole Moretto, Tracy Comans, Angela Chang , Shaun O'Leary, Sonia Osborne, Hannah Carter, David Smith, Tania Cavanagh, Dean Blond, Maree Raymer	Best Paper	Centre for Health Services Research Awards, Faculty of Medicine, University of Queensland, 2019

2019 Research Publications

Journal Articles

1. Cottrell M, Judd P, Comans T, Easton P and **Chang AT**. Comparing fly-in fly-out and telehealth models for delivering advanced-practice physiotherapy services in regional Queensland: An audit of outcomes and costs. *Journal of Telemedicine and Telecare*. 2019; DOI: 10.1177/1357633X19858036
2. Moretto N, Comans TA, **Chang AT**, O'Leary SP, Osborne S, Carter HE, Smith D, Cavanagh T, Blond D, Raymer M. Implementation of simulation modelling to improve service planning in specialist orthopaedic and neurosurgical outpatient services. *Implement Sci*. 2019 Aug 9; 14(1):78. doi: 10.1186/s13012-019-0923-1.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Oral Presentations

1. Barrimore SE, Cameron AE, **Young AM**, Hickman IJ, Campbell KL. Translating Research into Practice – How confident are Allied Health Clinicians? National Allied Health Conference, Brisbane August 2019
2. **Chang AT, Young A**, Farrell A, Strong J, Harrison G, Paratz J, Buttrum, P, Cottrell M, Window P, Banks M, de Jersey S. Developing a team-based, tailored approach to building research capacity in allied health. National Allied Health Conference, Brisbane August 2019
3. **Chang AT, Young A**, Farrell A, Strong J, Harrison G, Paratz J, Buttrum, P, Cottrell M, Window P, Banks M, de Jersey S. Is there a link between clinician reported time spent on research and research success?. National Allied Health Conference, Brisbane August 2019
4. Raymer M, Moretto N, Comans T, O'Leary S, **Chang A**, Standfield L, Carter H, Osborne S. Advanced Musculoskeletal Physiotherapist and Surgeon led care in Orthopaedics and Neurosurgery outpatient services: what's the right professional mix? World Congress of Physical Therapy, Geneva May 2019.

Poster Presentations

1. Aria, Y., Angus, J., Walker, S., Delaney, B., Matthews, K. Retrospective cohort study comparing three HALO management protocols and the incidence of adverse events. International Society for Prosthetics and Orthotics Conference, Japan October 2019.



Sarah Andersen (*Nutrition and Dietetics*) receiving award for 'Best Original Communication' for the presentation on 'Nutrition Support and the Gastrointestinal Microbiome – A systematic review and pilot study' at the **British Association for Parenteral and Enteral Nutrition (BAPEN) Conference** (in Belfast in November 2019)

DEPARTMENT OF NUTRITION & DIETETICS

RBWH Department of Nutrition and Dietetics are recognised leaders in nutrition and dietetic research, and continues to conduct high impact and clinically relevant research and knowledge translation to improve care and service for patients at RBWH and in health services more broadly. Our research has led to the development and implementation of statewide programs to prevent and treat malnutrition and pressure injuries; proactive pre-treatment nutrition support for patients undergoing treatment for head and neck cancer; and changes to routine antenatal care that has seen a reduction in the proportion of women gaining excess weight in pregnancy, preventing future chronic disease in both the women and their children.

This year saw numerous research highlights for the RBWH Department of Nutrition and Dietetics including:

- 16 research awards recognising the achievements the research at the local, state and national level
- 14 research higher degree (RHD) students supervised by dietitian researchers within the department, including seven clinicians currently working at the RBWH and one international student
- 3 supervised RHD students were conferred during 2019
- A new conjoint research position with Queensland University of Technology School of Exercise and Nutrition Sciences
- Dietitian-led collaborative research with co-investigators across all RBWH service lines and broad specialties, multiple external university partners, other Metro North sites, and sites within Metro South, West Moreton and Community and Oral Health
- 2 projects conducted which engaged consumers in the entire research process, by embedding a consumer representative in the project teams
- 21 peer-reviewed publications (including 10 first author publication) and one invited book chapter
- 27 oral conference presentations at national and international conferences.

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>
Abigail Marsh	PhD, UQ (2018-2024)	The effects of an anti-inflammatory diet on disease activity, symptom severity and microbiota profile in patients with inflammatory bowel disease	Merrilyn Banks , Graham Radford-Smith, Veronique Chachay
Angela Byrnes	PhD, UQ (2015-2018) Conferred 15 February 2019	Nutritional care and status of older surgical patients	Judy Bauer, Adrienne Young , Merrilyn Banks , Alison Mudge
Carrie-Anne Lewis	PhD, UQ (2016-2021)	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	Ingrid Hickman, Susie de Jersey , Emma Osland
Claire Nelson	PhD, QUT (2014-2019)	Investigation of nutrition status of community adults with lower leg wounds	Merrilyn Banks , Mary Hannan-Jones , Kathleen Findlayson
Emilie Croisier	PhD, UQ (2018-2021)	Nutritional outcomes of gynaecology patients undergoing pelvic radiotherapy: understanding the patient experience and dietary recommendations for symptom management	Judy Bauer, Teresa Brown
Emma Shipton	PhD, UQ (2019-2024)	Models of care and the effect of breastfeeding rates post hospital discharge	Susie de Jersey , Leonie Callaway, Nigel Lee

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>
Joanne Hiatt	PhD, UQ (2017-2023)	Nutrition throughout head and neck cancer treatment: patient experience and adherence, barriers and enablers to enteral feeding recommendations	Merrilyn Banks, Teresa Brown, Judy Bauer
Joanna McCormack	PhD, GU (2018-2022)	How are food service dietitians learning about environmental sustainability: A qualitative systematic protocol	Christy Noble, Denise Cruickshank, Lynda Ross, Andrea Bialocerkowski
Katrina Ridout	PhD, QUT (2016-2021)	Antenatal lifestyle intervention programs targeting healthy gestational weight gain and management: exploring the barriers and enablers to participation for women who are overweight or obese	Susie de Jersey, Danielle Gallegos, Shelley Wilkinson
Kylie Matthews	PhD, UQ (2015-2018) <i>Conferred 15 February 2019</i>	Refeeding syndrome in acute care: Is there a dietetics role?	Sandra Capra, Michelle Palmer, Veronique Chachay
Nerida Hart	PhD, QUT (2015-2018)	What makes a quality hospital foodservice?	Mary Hannan-Jones, Merrilyn Banks
Nina Meloncelli	PhD, QUT (2016-2019)	Management of gestational diabetes: exploring practices, evidence base and models of care among the multidisciplinary team	Susie de Jersey, Adrian Barnett
Quoc Cuong Tran	PhD, QUT (2014-2018) <i>Thesis submitted and conferred</i>	Nutritional status of patients in Vietnamese hospitals	Danielle Gallegos, Merrilyn Banks, Mary Hannan-Jones
Sarah Andersen	PhD, UQ (2015-2019)	Investigating nutrition support during allogeneic stem cell transplantation	Judy Bauer, Merrilyn Banks, Olivia Wright

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
Adrienne Young	Research Coordinator	0.3	Operational	Nutrition in older adults and hospital inpatients	
	Adjunct Assoc Professor	8 hrs/mth	In kind		Queensland University of Technology
	Sessional Assoc Professort				Bond University
Angela Byrnes	Research Coordinator	0.3	Operational	Research and quality	N/A
Helen MacLaughlin	Conjoint Senior Lecturer	1.0	50% Operational	Nutrition in chronic kidney disease	Queensland University of Technology
	Advanced Clinician Researcher		50% External		
Merrilyn Banks	Adjunct Assoc Professor	8 hrs/mth	In kind	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	Queensland University of Technology
					University of Queensland
Susie de Jersey	Visiting Research Fellow	12 hrs/mth		Preventing and managing lifestyle chronic disease in women and children	Queensland University of Technology
	Honorary Senior Lecturer			Improving nutrition-related antenatal care to optimise future health outcomes for mothers and their offspring	University of Queensland
Teresa Brown	Research Coordinator	0.2	Operational	Nutrition in cancer care	
	Associate Lecturer	4-8 hrs/mth	In Kind		University of Queensland

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

Name	Position	FTE	Research Program	Affiliated University/ies
Lynda Ross	Visiting Fellow	8 hrs/mth	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up	Griffith University
Mary Hannan-Jones	Honorary Research Fellow	15 hrs/mth	Improving quality of Food Services	Senior Lecturer, Queensland University of Technology

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
Abigail Marsh	Merrilyn Banks , Graham Radford Smith (<i>Gastroenterology</i>), Veronique Chachay (<i>UQ</i>)	Cross sectional analysis of dietary intake of patients attending the RBWH IBD outpatient clinics: how does their diet compare to Mediterranean diet?
Adrienne Young	Merrilyn Banks , Tayla Robertson (<i>PAH</i>), Jo Hiatt , Kate Morgan , Danielle Gallegos (<i>QUT</i>), Angela Byrnes	Nutritional care in hospital: What is the patient experience?
Adrienne Young	Angela Byrnes , Carrie-Anne Lewis , Cindy Jennings , Zoe Walsh (<i>CISS</i>)	Observation of mealtime care practices and nutritional intake for sub-acute older inpatients (2014-current)
Adrienne Young	Claire Dux , Gai Harrison (<i>Social Work</i>), Maria Walls , Rachana Naidu , Raje Badwa , Jess Fry , Liliana Zapta , Carrie-Anne Lewis , Merrilyn Banks	Evaluation of the value of dietetic assistant (DA) role from the DA, patient and staff perspective
Adrienne Young	Xuan Wang (<i>QUT</i>), Cassie Hoole , Rebecca Fichera	Patient involvement in dietetic care: description of current practice
Adrienne Young	Angela Byrnes , Evonne Miller (<i>QUT</i>), Alison Mudge (<i>IMRU</i>), Gary Power (<i>Consumer</i>), Merrilyn Banks , Mark Brough (<i>QUT</i>), Amanda Dines, Prue McRae (<i>IMRU</i>), Chiara Santomauro (<i>CSDS</i>), Tara McCurdie (<i>QIPPS</i>), Samantha Olenski (<i>IMRU</i>)	Co-designing a positive meal environment for older people in hospital: a multi-phase experience-based co-design study
Adrienne Young	Kylie Matthews , Kate Flint (<i>UQ</i>), Dylan Flaws (<i>Mental Health</i>), Alison Mudge (<i>Internal Medicine</i>)	Nutritional intake and mealtime care of older people admitted to inpatient mental health wards
Adrienne Young	Tegan Stuckey (<i>QUT</i>), Wendy Tai (<i>West Moreton</i>)	The relationship between post-hospital nutritional status and health outcomes for older people (65+ years) enrolled in a Transition Care Program (TCP)
Adrienne Young	Natalie Hwang (<i>UQ</i>), Champika Puttullo (<i>Pharmacy</i>), Alison Mudge (<i>Internal Medicine</i>), Kerinya Pillai (<i>Medical Services</i>), Margaret Cahill (<i>Internal Medicine</i>), Carly Scott (<i>Health Information Services</i>)	Understanding hospital acquired constipation at RBWH – retrospective chart audit
Ally di Bella	Merrilyn Banks , Tracy Comans (<i>UQ</i>), Ingrid Hickman (<i>PAH</i>), Donna Hickman (<i>TPCH</i>), Adrienne Young	Prevalence and impact of obesity in acute hospital setting
Ally di Bella	Winnie Soo Yii Tan (<i>QUT</i>), Merrilyn Banks , Tracy Comans (<i>UQ</i>), Ingrid Hickman (<i>PAH</i>), Donna Hickman (<i>TPCH</i>), Adrienne Young	Cost of obesity in the acute hospital setting
Amanda Watt	Emma Osland , Vishal Kaushik (<i>Gastroenterology</i>), Craig Harris (<i>Surgery</i>), David Taylor (<i>Surgery</i>), Teresa Brown	Examination of nutrition care and support practices for patients having pelvic exenteration surgery
Angela Byrnes	Mikaela Wheeler (<i>UQ</i>), Adrienne Young , Amanda Watt , Judy Bauer (<i>UQ</i>)	Exploring patient's experience of perioperative nutrition education and care when undergoing elective colorectal surgery
Angela Byrnes	Clare Cutmore , Adrienne Young , Elise Treleaven , Joanne Hiatt , Claire Dux , Kylie Matthews , Merrilyn Banks	Standardising protocol driven enteral feeding
Carrie-Anne Lewis	Ingrid Hickman (<i>PAH</i>), Susan de Jersey , Emma Osland , Siobhan Wallin , Lindsay Web (<i>PAH</i>), George Hopkins (<i>Surgery</i>), Blair Bowden (<i>Surgery</i>), Benjamin Dodd (<i>Surgery</i>), Viral Chikani (<i>Endocrinology</i>), Anthony Cheng (<i>Surgery</i>), Chung Kwun Won (<i>Surgery</i>), Kath Bradley (<i>Surgery</i>), Lara Maidment (<i>Endocrinology</i>)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population
Christine Eadeh		Evaluation of Patient outcomes from the Dietitian First Gastroenterology Clinic

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
Cindy Jennings	Adrienne Young	Validity of the FIM in determining risk of malnutrition and nutritional decline during inpatient rehabilitation admission
Claire Blake	Teresa Brown Rainbow Lai (UQ), Laura Moroney (SP), Jennifer Helios (SP), Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Anita Pelecanos (QIMR), Judy Bauer (UQ)	Nutrition outcomes and toxicities from tomotherapy in head and neck cancer patients
Claire Blake	Teresa Brown , Laura Moroney (SP), Jennifer Helios (SP), Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Anita Pelecanos (QIMR)	Enteral Nutrition outcomes and toxicities from tomotherapy in head and neck cancer patients
Claire Blake	Merrilyn Banks , Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service
Claire Blake	Elise Treleaven, Anna Edwards, Teresa Brown	Evaluation of pre-treatment model of care in patients with head and neck cancer
Claire Blake	Elise Treleaven, Ally di Bella, Teresa Brown, Adrienne Young , Jenni Leutenegger (Cancer Care), David Wyld (Cancer Care)	Implementation of patient-led malnutrition screening in the cancer care ambulatory setting
Claire Blake, Emma Osland	Kay Lasenby (Gastroenterology)	Service evaluation of the management of complex nutrition patients (PEN PALS Project)
Claire Dux		Feed interruptions in ICU and impact on nutritional intake
Denise Cruickshank	Mary Hannan-Jones	Proportional Length of Stay Patterns in Queensland Health Facilities: Review of QH Nutrition Standards for Meals and Menus
Denise Cruickshank	Mary Hannan-Jones	Review of the Implementation of the Queensland Health Nutrition Standards for Meals and Menus across Health & Hospital Services
Denise Cruickshank	Philip Juffs (West Moreton)	Comparing IDDSI to current clinically accepted testing methods
Elissa Pacheco	Adrienne Young , Rebecca Smith (TPCH), Juliette Mahero (TPCH), Chloe Jarvis (Redcliffe), Stacey O'Donnell (Caboolture), Anna Farrell (Speech Pathology), Teri Green (QUT), Andrew Wong (Neurology)	Implementation evaluation of an acute stroke nutrition support pathway across Metro North HHS
Emilie Croisier	Alana Morrissy (UQ), Teresa Brown , Alice Brigg (CCS), Philip Chan (CCS), Jeffrey Goh (CCS), Judy Bauer (UQ)	The clinical and nutritional implications of pelvic radiotherapy in gynaecology oncology patients, an observational study
Helen MacLaughlin	Mindy Pike, Cassianne Robinson-Cohen, Alp Ikizler, Eddie Siew	Association between obesity and kidney disease outcomes after acute kidney injury in the ASSESS-AKI study
Hilary Powlesland	Belinda Mason, Adrienne Young , Lynda Ross, Adrian Kark, Riley O'Donohue	New Group Model of Care for low salt dietary education for Chronic Kidney Disease patients.
Hilary Powlesland	Clare Byrne, Susie de Jersey	Evaluation of the New Beginnings program
Jane Musial	Mary Hannan-Jones, Adrienne Young, Susie de Jersey , Bonnie Leung, Chelsea Allport, Robbie Mullins, Andrea Cawte	Evaluation of combined QUT-RBWH diabetes clinic – patient and service outcomes
Jen Ellick	Christine Eadeh, Michaela Hatzirodos, Claire Dux, Merrilyn Banks, Adrienne Young	Evaluation of the implementation of Delegate electronic patient meal management system
Jen Ellick, Christine Eadeh	Adrienne Young	eHealth Nutrition Intervention in a Hospital Setting: Feasibility and cost vs benefit
Joanne Hiatt	Teresa Brown, Merrilyn Banks , Judy Bauer (UQ)	Patient Experience of Nutrition Care across three treatment modalities for the management of head and neck cancer
Joanne Hiatt	Angela Byrnes	Implementation of enteral feeding protocol for patients on 8AN
Kylie Matthews	Clare Cutmore, Adrienne Young , Caroline Summers (IMAC), Sue Patterson (Mental Health)	Eating disorders: to tube or not to tube? A comprehensive evaluation of acceptability and use of a nasogastric refeeding protocol
Kylie Matthews	Candice Drysdale (UQ), Adrienne Young	Audit of dietetic practice against newly updated Metro North Refeeding Syndrome Guidelines

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
Kylie Matthews	Clare Cutmore	Audit of management of patients with a medically unstable eating disorder in internal medicine
Mary Hannan-Jones	Adrienne Young, Merrilyn Banks, Claire Dux, Bianca Neaves <i>(TPCH)</i> , Ji Peng Toh <i>(QUT)</i>	Exploring best practice features of large-scale hospital foodservice systems in Australia
Merrilyn Banks	Mary Hannan-Jones	Evaluation of state-wide HEN service
Rebecca Fichera	Teresa Brown, Sarah Andersen, Glen Kennedy <i>(Cancer Care)</i> , David Williams <i>(Cancer Care)</i>	New Model of Care for autologous stem cell transplant patients (AutoCare): adherence and clinical outcomes
Robin Hay	Lynda Ross, Taylor Guthrie, Cindy Jennings	Evaluation of Healthy Eating and Lifestyle Program (HELP) telehealth clinic
Sarah Andersen	Merrilyn Banks, Glen Kennedy <i>(Cancer Care)</i> , Teresa Brown, Nicholas Weber <i>(Cancer Care)</i> , Judy Bauer <i>(UQ)</i>	Investigating the effect of enteral and parenteral nutrition on the gastrointestinal microbiome post allogeneic transplantation
Sarah Andersen	Merrilyn Banks, Glen Kennedy <i>(Cancer Care)</i> , Teresa Brown, Nicholas Weber <i>(Cancer Care)</i> , Judy Bauer <i>(UQ)</i>	Staff perceptions, barriers and enablers to enteral feeding during allogeneic stem cell transplantation
Sarah Andersen	Merrilyn Banks, Glen Kennedy <i>(Cancer Care)</i> , Teresa Brown, Nicholas Weber <i>(Cancer Care)</i> , Judy Bauer <i>(UQ)</i>	Nutrition support during allogeneic transplantation in Australian adult bone marrow transplantation units
Sarah Andersen	Madison Jefferis <i>(UQ)</i> , Cameron Curley <i>(Cancer Care)</i> , Teresa Brown, Judy Bauer <i>(UQ)</i>	Investigating the effect of malnutrition on clinical outcomes post allogeneic stem cell transplantation
Siobhan Wallin	Carrie-Anne Lewis, Adrienne Young, Marzia Bell <i>(QUT)</i>	Pre-operative lifestyle intervention for patients undergoing bariatric surgery
Susie de Jersey	Leonie Callaway <i>(UQ, WNBS)</i> , Taylor Guthrie, Jeanette Tyler <i>(Women's and Newborn)</i> , Nickie Moreton <i>(Women's and Newborn)</i> , Karen New <i>(UQ, Women's and Newborn)</i>	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
Susie de Jersey	Elizabeth Eakin <i>(UQ, SPH)</i> , Shelley Wilkinson <i>(Mater)</i> , Tracy Comans <i>(UQ)</i> , Leonie Callaway <i>(UQ, WNBS)</i> , Claire Gardiner, Hilary Powlesland, Taylor Guthrie, Angela Chang <i>(CAHR)</i>	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
Susie de Jersey	Kimberley Mallan <i>(ACU)</i> , Lynne Daniels <i>(QUT)</i> , Rebecca Byrne <i>(QUT)</i>	New Beginnings Healthy Mothers and Babies Study: Long-term Follow-up
Susie de Jersey	Natasha Lorenzen, Taylor Guthrie	Gestational Diabetes Service Nutrition Practice Guidelines and Outcomes clinical audit
Tenielle Hamlin	Adrienne Young, An-Yang Chen	Midmeal provision in GEM
Teresa Brown	Aaron Chan <i>(UQ)</i> , Kathleen Dwyer, Merrilyn Banks, Brett Hughes <i>(Cancer Care)</i> , Judy Bauer <i>(UQ)</i> , Charles Lin <i>(Cancer Care)</i> , Liz Kenny <i>(Cancer Care)</i> , Jane Crombie <i>(Speech Path)</i> , Ann-Louise Spurgin <i>(Speech Path)</i>	Revalidation of swallow and nutrition guidelines in tomotherapy
Teresa Brown	Ray Chan <i>(PAH)</i> , Angela Byrnes, Alex Molassiotis <i>(Hong Kong)</i> , Patsy Yates <i>(QUT)</i> , Gillian Nasato <i>(Cancer Care)</i> , Elise Button <i>(Cancer Care)</i> , Andrea Marshall <i>(Griffith)</i> , Liz Isenring <i>(Bond University)</i> , David Wyld <i>(Cancer Care)</i> , Melissa Eastgate <i>(Cancer Care)</i> Nicole Gavin <i>(Cancer Care)</i>	A patient-family-centred intervention to promote nutrition in advanced cancer patients: a pilot randomised controlled trial
Teresa Brown	Louise Cooney <i>(PAH)</i> , Louise Elvin-Walsh <i>(PAH)</i> , Eliza Kern, Suzie Ahern, David Smith <i>(QIMR)</i> , Liz Kenny <i>(Cancer Care)</i> , Brett Hughes <i>(Cancer Care)</i> , Sandro Porceddu <i>(PAH)</i> , Ingrid Hickman <i>(PAH)</i> , Bena Cartmill <i>(PAH)</i>	Comparison of nutrition and clinical outcomes in H&N cancer patients following reactive and proactive nutrition support approaches
Teresa Brown	Merrilyn Banks, Brett Hughes <i>(Cancer Care)</i> , Charles Lin <i>(Cancer Care)</i> , Liz Kenny <i>(Cancer Care)</i> , Louise Campbell <i>(Qld PET Service)</i> , Judy Bauer <i>(UQ)</i>	Assessment of sarcopenia and malnutrition in patients with head and neck cancer undergoing treatment of curative intent – implications for practice

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Alice Pashley <i>(UQ)</i>	Teresa Brown , Belinda Lehn <i>(Speech Pathology)</i> , Robert Hodge <i>(ENT)</i> , Judy Bauer <i>(UQ)</i>	Investigating the effects of nutritional status on post-operative complications in patients with head and neck cancer undergoing laryngectomy and pharyngolaryngectomy
Alison Mudge <i>(IMS)</i>	Merrilyn Banks , Adrian Barnett <i>(QUT)</i> , Irene Blackberry <i>(Latrobe)</i> , Ann Chang <i>(QUT)</i> , Nick Graves <i>(QUT)</i> , Ruth Hubbard <i>(UQ)</i> , Sharon Inouye <i>(Harvard)</i> , Sue Kurrle <i>(Uni of Sydney)</i> , Kwan Lim <i>(Uni of Melbourne)</i> , Prue McRae <i>(IMS)</i> , Nancye Peel <i>(UQ)</i> , Adrienne Young	CHERISH Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital
Alita Rushton <i>(TPCH)</i>	Adrienne Young , Judy Bauer <i>(UQ)</i> , Belinda Gavaghan <i>(AHPOQ)</i> , Heather Keller <i>(University of Waterloo)</i> , Jack Bell <i>(TPCH)</i>	Evaluating Full Scope Dietitian Assistant Opportunities within a Systematised Interdisciplinary Malnutrition Program (SIMPLE)
Angela T Chang <i>(CAHR)</i>	Susie de Jersey , Anna Farrell <i>(Speech Pathology)</i> , Jenny Strong <i>(Occupational Therapy)</i> , Adrienne Young , Gai Harrison <i>(Social Work)</i> , Jennifer Paratz <i>(Physiotherapy)</i> , Peter Buttrum <i>(AHP)</i> , Merrilyn Banks	Understanding research capacity and outputs in allied health workforce at RBWH
Ashleigh Molenaar <i>(CISS)</i>	Zoe Davis <i>(CISS)</i> , Merrilyn Banks , Adrienne Young , Sandra Capra <i>(UQ)</i> , Olivia Wright <i>(UQ)</i>	Exploring obesity in the aged care setting
Chung Nga Lam <i>(Bond university)</i>	Jaimon Kelly <i>(Bond)</i> , Elizabeth Isenring <i>(Bond)</i> , Amanda Watt , Barbara van der Meij <i>(Bond, Mater hospital)</i>	The effect of omega-3 polyunsaturated fatty acid supplementation on muscle maintenance and quality of life: a systematic review
Claire Nelson <i>(QUT)</i>	Merrilyn Banks , Mary Hannan-Jones <i>(QUT)</i> , Kathleen Findlayson	Nutritional status of community dwelling individuals with chronic leg wounds
Clare Burns <i>(SP)</i>	Claire Blake	Expanded telehealth model of care for H&N pre and post treatment
Dylan Flaws <i>(Mental Health)</i>	Alison Mudge <i>(IMS)</i> , Gerard Byrne <i>(Mental Health)</i> , Prue McRae <i>(IMS)</i> , Megan Nitz <i>(Mental Health)</i> , Conor O'Launaigh <i>(TPCH)</i> , Trevor Hollingsworth <i>(Caboolture)</i> , Adrienne Young , Elise Treleaven	Delirium in older psychiatry inpatients: protocol for an observational study
Helen Barrett <i>(UQ, Mater Health Services)</i>	Marloes Dekker <i>(UQ)</i> , H David McIntyre <i>(Mater and UQ)</i> , Michael d'Embden, Leonie Callaway, Susie de Jersey	Post prandial triglycerides in diabetes in pregnancy: a pilot study
Jack Bell <i>(TPCH)</i>	Adrienne Young , Merrilyn Banks , Tracy Comans <i>(Centre for Allied Health, UQ)</i> , Jan Hill <i>(PAH)</i>	The SIMPLE Approach: Systematised, Interdisciplinary Malnutrition Program Implementation and Evaluation
Jack Bell <i>(TPCH)</i>	Adrienne Young , Alita Rushton <i>(TPCH)</i> , Belinda Gavaghan <i>(AHPOQ)</i> , Heather Keller <i>(University of Waterloo)</i> , Jan Hil <i>(PAH)</i> , Merrilyn Banks , Rhiannon Barnes <i>(AHPOQ)</i> , Tracy Comans <i>(UQ)</i>	SIMPLE Phase II: Knowledge Translation
Jorja Collins <i>(Monash Uni)</i>	Denise Cruickshank , Jo McCormack <i>(Griffith)</i> , Kristen MacKenzie-Shalders <i>(Bond)</i> , Stefanie Carino <i>(Monash Uni)</i>	Environmental sustainability in foodservice: strategies and mechanisms for change
Judy Bauer <i>(UQ)</i>	Nathan Baldwin <i>(UQ)</i> , Merran Findlay <i>(Sydney)</i> , Teresa Brown	Evaluation of implementation, enablers and barriers for the <i>Evidence-based- guidelines for the nutritional management of adult patients with head and neck cancer</i>
Judy Bauer <i>(UQ)</i>	Teresa Brown , Merrilyn Banks , Brett Hughes <i>(Cancer Care)</i> , Charles Lin <i>(Cancer Care)</i> , Liz Kenny <i>(Cancer Care)</i> , Louise Campbell <i>(Qld PET Service)</i>	Comparison of body composition methods in head and neck cancer patients undergoing chemoradiotherapy – PET-CT vs BIA
Justin A Ezekowitz <i>(University of Alberta)</i>	John Atherton <i>(Cardiology)</i> , Kate Morgan <i>(Nutrition and Dietetics)</i> , Lynda Ross <i>(Griffith)</i> , Belinda Mason <i>(Nutrition and Dietetics)</i>	SODIUM-HF (Study of Dietary Intervention Under 100 MMOL in Heart Failure)
Katrina Ridout <i>(QUT)</i>	Susie de Jersey , Danielle Gallegos <i>(QUT)</i> , Adrian Barnett <i>(QUT)</i>	Understanding and improving pregnant women's participation in government funded prenatal nutrition and lifestyle intervention programs
Loris Pironi <i>(Home Artificial Nutrition Group, ESPEN)</i>	Emma Osland	International benchmarking of Home Parenteral Nutrition service provision and validation of ESPEN chronic intestinal failure classifications.
Lynda Ross <i>(Griffith)</i>	Robin Hay , Angela Byrnes , Keanne Langston <i>(Griffith)</i>	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up
Margie Conley <i>(MSHHS, QUT)</i>	Helen MacLaughlin , Katrina Campbell <i>(MN)</i> , Kath McFarlane <i>(SC)</i> , David Johnson <i>(MSHHS)</i>	Interventions for weight loss in people with chronic kidney disease who are overweight or obese – systematic review
Melissa Eastgate <i>(Cancer Care)</i>	Shu Fen Lee <i>(Cancer Care)</i> , David Wyld <i>(Cancer Care)</i> , Teresa Brown	Patient perceptions of diet and cancer – survey of cancer care patients

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

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Michelle Palmer <i>(MSHHS)</i>	Helen Porteous <i>(MSHHS)</i> , Susie de Jersey	Attendance rates and demographic descriptors of obese women referred to the dietitian for weight management advice during pregnancy
Nassar Lafta, Mark Appleyard, Florian Grimpen, Kimberley Ryan	Jessica Kinneally	TFGED (two food group elimination diet) versus swallowed fluticasone for the management of adult eosinophilic esophagitis, a multi-centered randomized prospective study
Nerida Hart <i>(QUT)</i>	Mary Hannan-Jones <i>(QUT)</i> , Merrilyn Banks	What makes a quality foodservice system?
Nicole Gavin <i>(Cancer Care)</i>	Glen Kennedy <i>(Cancer Care)</i> , David Patterson <i>(Infectious Diseases)</i> , Claire Rickard <i>(Griffith Uni)</i> , Sarah Andersen , Elise Button <i>(Cancer Care)</i> , Rebecca Lippiatt <i>(Cancer Care)</i>	Exploring changes in gastrointestinal tract microbiome and their influence on mucosal barrier injury laboratory confirmed bloodstream infection in patients diagnosed with high risk features of acute myeloid leukaemia
Nicole Gavin <i>(Cancer Care)</i>	Glen Kennedy <i>(Cancer Care)</i> , Claire Rickard <i>(Griffith Uni)</i> , Patrick Harris <i>(UQ)</i> , Sarah Andersen , Elise Button <i>(Cancer Care)</i> , Rebecca Lippiatt <i>(Cancer Care)</i>	Improving central-line associated bloodstream infection diagnosis in malignant haematology patients with parenteral nutrition (Improving CLABSI Trial)
Nicole Kiss <i>(Deakin University)</i>	Anna Boltong <i>(Cancer Council)</i> , Merran Findlay <i>(RPA)</i> , Belinda Steer <i>(Peter mac)</i> , Jenelle Loeliger <i>(Peter Mac)</i> , Teresa rown , Liz Isenring <i>(Bond)</i> , Judy Bauer <i>(UQ)</i>	Australian cancer clinician's awareness, perceptions and practices regarding to cancer-related malnutrition and sarcopenia
Nina Melloncelli <i>(SCHHS, QUT)</i>	Susie de Jersey , Adrian Barnett <i>(QUT)</i>	Evaluation of a dietitian-led model of care in low risk gestational diabetes pregnancies
Nina Melloncelli <i>(SCHHS, QUT)</i>	Susie de Jersey , Adrian Barnett <i>(QUT)</i>	Examining the management of gestational diabetes mellitus
Priya Cherian <i>(Radiology)</i>	Claire Blake , Mark Appleyard <i>(Gastro)</i> , Nigel Mott <i>(DMI)</i> , David Smith <i>(QIMR)</i>	Radiologically inserted gastrostomy (RIG) an Interventional Radiology Procedure that promotes high value healthcare
Samantha Olenski <i>(IMS)</i>	Alison Mudge <i>(IMS)</i> , Adrienne Young , Prue McRae <i>(IMS)</i> , Kimberley Mallan <i>(ACU)</i> , Zoe Walsh <i>(CISS)</i> , Jill Ross <i>(CISS)</i> , Alanna Geary <i>(Nursing and Midwifery)</i> , Elise Treleaven	Developing and validating a novel survey to identify barriers and enablers to improving nutrition care in acute and subacute inpatient settings
Shelley Roberts <i>(Griffith)</i>	Andrea Marshall <i>(Griffith)</i> , Merrilyn Banks , Alan Spencer <i>(GCUH)</i> , Zane Hopper <i>(GCUH)</i> , Adrienne Young , Ruben Gonzales <i>(Griffith)</i> , Wendy Chaboyer <i>(Griffith)</i>	Using technology to engage patients in their nutrition care: a pilot study

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Adrienne Young	Research in Practice Award	Dietitians Association of Australia Annual Conference August 2019
Adrienne Young	Barbara Chester Award	Dietitians Association of Australia Annual Conference August 2019
Adrienne Young	Awarded for Excellence in Performance	Metro North Staff Excellence award, October 2019
Andrea Cawte, Jane Musial, Susan De Jersey, Michael D'Emden, Heike Krausse, An-Yang Chen, Robert Mullins (QUT), Mary Hannan-Jones (QUT)	Certificates of Excellence – Winner “RBWH-QUT Partnership Program for Diabetes”	Values Based Healthcare RBWH Foundation and Values Based Healthcare Initiative, MNHHS, June 2019
Christine Eadeh	IHHC Qld/NSW Branch Project of the year Excellence Award	IHHC Qld/NSW Branch – awarded 2 nd November 2018
Christine Eadeh, Margot Leeson-Smith, Claire Dux, Jilyn Blundell	Certificates of Excellence – winner “The late meals vending machine”	Values Based Healthcare RBWH Foundation and Values Based Healthcare Initiative, MNHHS, June 2019
Claire Blake, Anna Edwards, Elise Treleaven, Teresa Brown, Brett Hughes, Charles Lin, Lizbeth Kenny, Merrilyn Banks, Judy Bauer	Health Practitioner Research Award	Herston Healthcare Symposium 2019

Research Awards and Achievements *(cont)*

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Clare Cutmore, Carrie-Anne Lewis, Caroline Summers, Adrienne Young	Translation of Research into Practice Award	CAHRLI Symposium, Brisbane, June 2019
Clare Cutmore	The lessons learnt award	AH-TRIP Showcase 2019
Hilary Powlesland	New Researcher Award	CAHRLI Symposium, Brisbane, June 2019
Merrilyn Banks	Research Support Award–Highly Commended	MNHHS Research Excellence Awards May 2019
Merrilyn Banks	Allied Health Excellence in Leadership and Management Award (for recognition of her focus on embedding a culture of research and research translation into clinical practice)	Australian Allied Health Awards September 2019
Mudge AM, McRae P, Hubbard R, Peel N, Lim WK, Banks M, Young AM , Blackberry I, Green T, Graves N, Harvey G, Barnett A, Inouye SK Reducing hospital associated complications in older people: Results from the CHERISH cluster randomised controlled study. American Geriatric Society, Oregon, May 2019	Presidential Poster Award – Clinical Trials	American Geriatric Society conference May 2019
Sarah Andersen	Best oral communication	British Association for Parenteral and Enteral Nutrition (BAPEN) Annual Conference, November 2019
Teresa Brown	2017 Dean’s Award for Outstanding Higher Degree by Research Theses	University of Queensland – awarded 5 th March 2019
Teresa Brown <i>(RBWH H&N team)</i>	Clinical Research Award – Highly commended	MNHHS Research Excellence Awards May 2019

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
Adrienne Young , Alison Mudge, Prue McRae, Angela Byrnes , Mark Brough <i>(QUT)</i> , Gary Power, Amanda Dines, Merrilyn Banks , Tara McCurdie	Nutrition and Dietetics, Internal Medicine Research Unit	Co-designing a positive meal environment for older people in hospital: a multi-phase experience-based co-design study	RBWH Foundation	\$35,459	\$35,349	2019
Claire Blake, Ally di Bella, Teresa Brown, Adrienne Young , Jenni Leutenegger <i>(Cancer Care)</i> , David Wyld <i>(Cancer Care)</i>	Nutrition and Dietetics; Cancer Care	Implementation of patient-led malnutrition screening in the cancer care ambulatory setting	RBWH Foundation Diamond Grant	\$40,000	\$20,000	2018-2019
Jane Musial, Andrea Cawte	Nutrition and Dietetics, QUT Health Clinic, Renal Medicine Service, COH Diabetes	QUT-RBWH-COH partnership Program for Diabetes and Chronic Kidney Disease	MNHHS LINK Innovation Scheme	\$58,330	\$38,886	2019-2020
Jane Musial , Katrina Campbell <i>(MNHHS)</i>	Nutrition and Dietetics, MNHHS	Enhancing obesity management using mHealth: supporting behaviour change to improve long term outcomes	AHPOQ	\$140,067	\$37,771	2019-2021
Kylie Matthews , Sue Patterson, Clare Byrne, Adrienne Young	Nutrition and Dietetics, Internal Medicine	Eating Disorders: To tube or not to tube? A comprehensive evaluation of acceptability and use of a nasogastric refeeding protocol	RBWH Foundation	\$37,048	\$37,048	2019
Margot Leeson-Smith, Adrienne Young , Jack Bell <i>(TPCH)</i> , Theresa Green <i>(Nursing, QUT)</i> , Rebecca Moore <i>(TPCH)</i> , Stacey O’Donnell <i>(Caboolture)</i> , Chloe Jarvis <i>(Redcliffe)</i> , Juliette Mahero <i>(TPCH)</i> , Andrew Wong <i>(Neurology)</i>	Nutrition and Dietetics, Nursing, Neurology	Implementation and Evaluation of a Multi-site Acute Stroke Nutrition Care Pathway	Health Practitioners Research Scheme Grant	\$26,059	\$10,858	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
Midori Nakagaki, Glen Kennedy, Cameron Curley, Michael Smith, Therese hays, Jenni Leutenegger, Annett Barnes, Caroline Stewart, Teresa Brown , Rebecca Fichera , Leonie Naumann, Angela O'Malia, Ian Coombes, Karen Whitfield	Pharmacy, Cancer Care Services Nutrition and Dietetics, Physiotherapy, Social Work	Implementation and Evaluation of a Nurse-Allied Health Multidisciplinary Post-Bone Marrow Transplant Clinic	MNHHS SEED Innovation Fund	\$81,150	\$81,150	2019
Natasha Roberts, David Wyld, Gary Power, Helene Jacmon, Teresa Brown , Leonie Naumann, Erin Molloy, Suzette Fox, Greg Lewis, Many Fairclough, Maree Grier, Kieron Barker, Therese Hayes, Jenni Leutenegger, Nicole Gavin, Elise Button	Cancer Care Services, Nutrition and Dietetics	A Co-designed implementation science strategy with clinicians, consumers and researchers for symptom-management in oncology care	Diamond Care Grants	\$39,027.48	\$19,514	2019-2020
Nina Meloncelli (<i>SCHHS, QUT</i>), Susan de Jersey , Adrian Barnett (<i>QUT</i>), Rachel Hayes (<i>SCHHS</i>), Elise Gilberston (<i>SCHHS</i>), Michelle Mack (<i>SCHHS</i>), Rebekah Shakhovskoy (<i>SCHHS</i>), Sophie Poulter (<i>SCHHS</i>)	Nutrition and Dietetics Researchers	Evaluation of a dietitian-led model of care in low risk gestational diabetes pregnancies	Health Practitioners Research Scheme Grant	\$29,636	\$12,348	2018-2019

2019 Research Publications

Journal Articles

1. **Andersen S**, Weber N, Kennedy G, **Brown T**, **Banks M**, Bauer J. Tolerability of proactive enteral nutrition post allogeneic haematopoietic progenitor cell transplant: a randomised comparison to standard care. *Clinical Nutrition*. DOI: 10.1016/j.clnu.2019.06.012
2. **Andersen, S.**, Staudacher, H., Weber, N., Kennedy, G., Varelias, A., **Banks, M.** & Bauer, J. (2019). Pilot study investigating the effect of enteral and parenteral nutrition on the gastrointestinal microbiome post-allogeneic transplantation. *British Society for Haematology*. doi: 10.1111/bjh.16218
3. Ashrafi, D., Memon M., **Osland E.** Bariatric surgery and gastroesophageal reflux disease. *Annals of Translational Medicine*. 2019. doi: 10.21037/atm.2019.09.15
4. **Byrnes A**, **Young A**, Mudge A, **Banks M**, Bauer J. Exploring practice gaps to improve PERloperative Nutrition CarE (EXPERIENCE Study): a qualitative analysis of barriers to implementation of evidence-based practice guidelines. *Eur J Clin Nutr* 2019; 73 (1): 94-101
5. Cherlan, P., **Blake, C.**, Appleyard, M., Clouston, J., Mott, N. Outcomes of radiologically inserted gastrostomy versus
6. Cuong, T.Q., **Banks, M.**, Hannan-Jones, M., Thi Ngoc Diep, Do. & Gallegos, D. (2019) Validity, reliability and feasibility of nutrition screening tools NRS-2002 and MST administered by trained medical doctors in routine practice. *Hospital Practice*. doi: 10.1080/21548331.2019.1699760
7. Langston, K., **Ross, L.**, **Byrnes, A.**, **Hay, R.** (2019). A secondary-prevention behaviour-change strategy for high-risk patients: benefits for all classes of body mass index. *Nutrition & Dietetics*. doi: 10.1111/1747-0080.12605
8. **Marsh A**, Radford-Smith G, Lord A, **Young, A**, Robertson T, **Kinneally J.** Food avoidance in outpatients with Inflammatory Bowel Disease – Who, What and Why. *Clinical Nutrition ESPEN* – Published online 1 April 2019; doi: 10.1016/j.clnesp.2019.03.018
9. **Matthews K**, Gordon L, Van Beusekom J, Sheffield J, QuEDS Collaboration Group, Patterson S. A day treatment program for adults with eating disorders: Staff and patient experiences in implementation. *Journal of Eating Disorders*. 2019. doi: 10.1186/s40337-019-0252-4
10. McCormack J, Noble C, **Ross L**, **Cruickshank D.** Bialocerkowski A. (2019). How do foodservice dietitians and dietetic students learn about environmental sustainability? A scoping review protocol. *BMJ Open*. doi: 10.1136/bmjopen-2019-032355
11. Meloncelli N, Barnett A, **de Jersey SJ.** Staff resourcing, guideline implementation and models of care for gestational diabetes mellitus management. 2019 *Australian and New Zealand Journal of Obstetrics and Gynaecology* doi: 10.1111/ajo.13032
12. **Morgan K**, **de Jersey S**, **Mason B**, **Young A.** Guidelines for review of patients on haemodialysis: Are we meeting patient needs? *Nutrition & Dietetics* 76 (2), 166-173
13. Moroney L, Ward E, Helios J, Crombie J, Burns C, **Blake C**, Comans T, Chua B, Kenny L, Hughes B. Evaluation of a speech pathology service delivery model for patients at low dysphagia risk during radiotherapy for HNC. *Oral Oncology* 2019; doi: 10.1007/s00520-019-04992-x
14. **Osland E**, **Powlesland H**, **Guthrie T**, **Lewis CA**, Memon M. Micronutrient management following bariatric surgery: the role of the dietitian in the post-operative period. *Annals of Translational Medicine* 2019; <http://dx.doi.org/10.21037/atm.2019.06.04>
15. **Osland E.**, McGrath K., Ali A., Carey S., Daniells S., Angstrom K., Bines J., Asrani V., Watson C., Jones L., De Cruz P. (2019). A Framework to support Quality of Care for patients with Chronic Intestinal Failure requiring Home Parenteral Nutrition. *Journal of Gastroenterology and Hepatology*. doi: 10.1111/jgh.14841 percutaneous endoscopic gastrostomy. 2019. doi: 10.1111/1754-9485.12932

Journal Articles (cont)

16. Tran, Q. C., **Banks, M.**, Do, T. N. D., Gallegos, D., & Hannan-Jones, M. (2019). Characteristics of dietary intake among adult patients in hospitals in a lower middle-income country in Southeast Asia. *Nutrition and Dietetics* 76(3), 321-327.
17. Wong, A., Marcin Sowa, P., **Banks, M. D.**, Bauer, J. D. (2019). Home Enteral Nutrition in Singapore's Long-Term Care Homes – Incidence, Prevalence, Cost and Staffing. *Nutrients*. doi: 10.3390/nu11102492
18. **Yim, S. Y., Guthrie, T., de Jersey, S.** Impact of service wide initiatives to support healthy pregnancy weight gain on weight-related documentation. *Australian and New Zealand Journal of Obstetrics and Gynecology*. 2019 online October 2. Doi: 10.1111/ajo.13053
19. **Young A.**, Keller H, Barnes R, Bell J. Clinicians as novice facilitators: a SIMPLE case study. *J Health Organ Manag* 2019; 33(1):78-92
20. **Young, A. M.**, Olenski, S., Wilkinson, S. A., Campbell, K., Barnes, R., Cameron, A., & Hickman, I. (2019). Knowledge Translation in Dietetics: A Survey of Dietitians' Awareness and Confidence. *Canadian Journal of Dietetic Practice and Research*, 1-5. doi:10.3148/cjdr-2019-027.

Book Chapters / Letters

1. **Young A.M., Byrnes A.** (2019) Malnutrition. In: Gu D., Dupre M. (eds) *Encyclopedia of Gerontology and Population Aging*. Springer, Cham.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **Young A.** Hospital acquired malnutrition: What does it mean, how do we capture it. How do we reduce it? AuSPEN, Adelaide, November 2019
2. **Young A.** Improving hospital mealtimes. Dietitians Association of Australia Diversity in Dietetics conference, Perth, November 2019.

Oral Presentations

1. **Andersen S.** Nutrition Support and the gastrointestinal microbiome, a systematic review and pilot study. BAPEN Annual Conference, Belfast, November 2019
2. Bell J, **Young A**, Hill J, **Banks M**, Comans T, Barnes R, Keller H. Integrated systems, interdisciplinary teams, full scope practice and delegation to deliver better value healthcare? A SIMPLE case for change. 13th National Allied Health Conference, Brisbane August 2019
3. **Blake, C., Edwards, A., Treleaven, E., Brown, T.**, Hughes, B., Lin, C., Kenny, L., **Banks, M.**, Bauer, J. Evaluation of Nutrition Outcomes Post-Implementation of a Pre-Treatment Model Of Care For Patients With Head And Neck Cancer Receiving Chemoradiotherapy. AusPEN Annual Conference, Adelaide, November 2019
4. Cawte, A., **Musial, J.**, Mullins, R., **De Jersey, S.**, Allport, C., Hannan-Jones, M. Is type 2 diabetes mellitus group education effective in a student-led environment? DAA National Conference, Brisbane August 2019
5. **Cutmore, C., Lewis, C. Matthews, K.**, Summers, C., Davis, A., **Young, A.** Dietitians leading change to improve teamwork and care of patients admitted with medically unstable eating disorders. DAA National Conference, Brisbane August 2019
6. **Eadeh, C.**, Leeson-Smith, M., Blundell, J. Late meals vending machine: An innovative solution to the problem of missing meals in hospital. IHHC Conference, Melbourne, August 2019
7. **Eadeh, C., Leeson-Smith, M., Dux, C., Blundell, J., Young, A.** Late meals vending machine: an innovative solution to the problem of missed meals in hospital. DAA National Conference, Brisbane August 2019
8. **Guthrie, T., Powlesland, H.**, Wilkinson, S., Callaway, L., Eakin, E., **de Jersey, S.** Staff and participant satisfaction with a dietetic-led telephone coaching program to support healthy gestational weight gain. DAA National Conference, Brisbane August 2019
9. **Hiatt J, Brown T, Lewis CA, Banks M**, Bauer J. Patient and carer experience of nutrition care throughout and beyond treatment for head and neck cancer: a systematic review and meta-synthesis. Australia & New Zealand head & neck Cancer Society ASM, Adelaide, September 2019
10. Jefferis, M., **Andersen, S., Brown, T.**, Curley, C., Bauer, J. Effect of malnutrition on clinical outcomes post allogeneic stem cell transplantation. DAA National Conference, Brisbane August 2019
11. **Leeson-Smith M**, Archer C, Carson G, Mahero J, Botero Zapata L, **Young A.** Opportunity for delegation and interdisciplinary nutrition care in acute stroke units. 13th National Allied Health Conference, Brisbane August 2019
12. **Leeson-Smith M, Eadeh C, Dux C, Young A.** The Feedback Tree: a novel way of engaging staff and consumers to provide feedback on hospital foodservices. 13th National Allied Health Conference, Brisbane August 2019
13. Leung, N., **Eadeh, C., Dux, C., Young, A.** What do hospital foodservice staff know about malnutrition? DAA National Conference, Brisbane August 2019
14. **Litzow T, Cruickshank, D.** Benchmarking – How QH Statewide Foodservices use KPIs to drive performance & improvement in Foodservices Statewide. IHHC Conference, Melbourne, August 2019
15. Mudge AM, McRae P, Hubbard R, Peel N, Lim WK, **Banks M, Young AM**, Blackberry I, Green T, Graves N, Harvey G, Barnett A, Inouye SK Reducing hospital associated complications in older people: Results from the CHERISH cluster randomised controlled study. International Association of Geriatrics and Gerontology conference, Gothenburg, May 2019
16. Musial, J., Cawte, A., Mullins, R., **De Jersey, S.**, Allport, C., Hannan-Jones, M. How effective is an inter-disciplinary student clinic in addressing the diabetes tsunami? A review of implementation outcomes. DAA National Conference, Brisbane August 2019
17. NJL Meloncelli, Ag Barnett, **SJ De Jersey.** 1437-P: How Has Changing the Diagnostic Criteria Impacted Perinatal Outcomes for Those NOT Diagnosed with GDM? *Diabetes* 68 (Supplement 1), 1437-P. American Diabetes Association (ADA) 79th Scientific Sessions, San Francisco, June 2019

Oral Presentations (cont)

18. NJL Meloncelli, AG Barnett, **SJ De Jersey**. Lessons Learned from Implementing a Dietician-Led Low Risk Model of Care. *Diabetes 68* (Supplement 1), 1396-P. American Diabetes Association (ADA) 79th Scientific Sessions, San Francisco, June 2019
19. Palmer M, Porteous H, **de Jersey SJ**. Attendance rates and descriptors of obese women referred to the dietitian for individual weight management advice during pregnancy. Dietitians Association of Australia National Conference, Gold Coast, Australia August. *Nutrition and Dietetics 2019*
20. **Powlesland, H., Guthrie, T.**, Callaway, L., Wilkinson, S., Eakin, E., **Young, A., de Jersey, S.** Advertising antenatal healthy lifestyle telephone coaching service through direct text messaging increases self-referral and overall service access. DAA National Conference, Brisbane August 2019
21. **Powlesland, H., Mason, B.**, ODonohue, R., Kark, A., Ross, L., **Young, A.** Providing high value care in high demand allied health services: an example of group education in chronic kidney disease. 13th National Allied Health Conference, Brisbane August 2019
22. **Powlesland, H., Mason, B.**, ODonohue, R., Kark, A., Ross, L., **Young, A.** Group education to reduce sodium intake in acceptable and effective for patients with chronic kidney disease. DAA National Conference, Brisbane August 2019
23. **Treleaven, E.**, Hewitt, M., **Olenski, S.**, Mudge, A., Wheeler, M., McRae, P., **Young, A.** Capturing the patient perspective: barriers to nutritional intake in hospital. DAA National Conference, Brisbane August 2019
24. Waters M, Brebner N, Fielding B, Chaplain A, Bransdon M, **de Jersey SJ**. Allied health in cancer care, electronically capturing what we do to inform succession planning from a skills based perspective. National Allied Health Conference. Brisbane August 2019
25. **Young A, Banks M**, Mudge A, McRae P. Taking an interprofessional approach to improving nutrition for older people in hospital. 13th National Allied Health Conference, Brisbane August 2019
26. **Young A**, Keller H, Barnes R, Hill J, **Banks M**, Comans T, Bell J. Supporting an allied health workforce to facilitate complex implementation projects: lessons learned from the SIMPLE project. 13th National Allied Health Conference, Brisbane August 2019.

Poster Presentations

1. **Brown T, Banks M**, Campbell L, Hughes B, Ahern E, Lin C, Kenny L, Bauer J. Assessment of sarcopenia and malnutrition in patients with head and neck cancer undergoing treatment of curative intent – implications for practice. Society for Sarcopenia, Cachexia and Wasting Disorders, Berlin, December 2019
2. **Croisier E, Brown T**, Bauer J. The efficacy of dietary fibre modification for managing gastrointestinal toxicity symptoms in gynae-oncology patients undergoing pelvic radiotherapy: a systematic review. ANZGOG Conference, Sydney, March 2019
3. **Croisier, E., Brown, T.**, Bauer, J. The role of dietary fibre in managing gastrointestinal toxicity symptoms in gynaecology patients undergoing pelvic radiotherapy DAA National Conference, Brisbane August 2019
4. Drysdale, C., **Matthews, K., Young, A.** Refeeding syndrome: Is a more assertive approach in the management of refeeding syndrome safe? BAPEN Annual Conference, Belfast, November 2019
5. **Dux, C., Leeson-Smith, M., Eadeh, C., Young, A.** The feedback tree: a novel way of engaging staff and consumers to provide feedback on hospital foodservices. DAA National Conference, Brisbane August 2019
6. **Hatzirodos, M., Guthrie, T.**, Austin, A., **Young, A.** When admissions to Short Stay Units are not so short: an opportunity for a dietetic assistant role. DAA National Conference, Brisbane August 2019
7. Kiss N, Bauer J, Boltong A, **Brown T**, Isenring E, Loeliger J, Steer B, Findlay M. Australian Cancer Clinicians' awareness, perceptions and practices regarding cancer-related malnutrition & sarcopenia. AuSPEN, Adelaide, November 2019
8. Kiss N, Bauer J, Boltong A, **Brown T**, Isenring E, Loeliger J, Steer B, Findlay M. Australian Cancer Clinicians' awareness, understandings and perceptions regarding cancer-related malnutrition & sarcopenia. Clinical Oncological Society of Australia (COSA) ASM, Adelaide, November 2019
9. Kiss N, Bauer J, Boltong A, **Brown T**, Isenring E, Loeliger, Steer B, Findlay M. Australian cancer clinicians' awareness, perceptions and practices regarding cancer-related malnutrition and sarcopenia. MASCC, San Francisco, June 2019
10. **Leeson-Smith, M.**, Archer, C., Carson, G., Mahero, J., Botero Zapata, L., **Young, A.** Low malnutrition and enteral feeding rates in acute stroke patients: time to reconsider blanket dietitian referrals? DAA National Conference, Brisbane August 2019
11. Meloncelli N, Barnett, A, d'Embden M, **de Jersey S**. How has changing the diagnostic criteria for GDM impacted perinatal outcomes in Queensland. Australasian Diabetes in Pregnancy Society Annual Scientific Meeting, Sydney, August 2019
12. Mudge AM, McRae P, Hubbard R, Peel N, Lim WK, **Banks M, Young AM**, Blackberry I, Green T, Graves N, Harvey G, Barnett A, Inouye SK Reducing hospital associated complications in older people: Results from the CHERISH cluster randomised controlled study. American Geriatric Society conference, Oregon, May 2019
13. Mudge AM, **Young AM**, McRae P, Graham F, Whiting L, Hubbard R. "Older People Aren't My Real Patients": a Qualitative Study of Barriers and Enablers to Older Person Friendly Hospitals. International Association of Geriatrics and Gerontology conference, Gothenburg, May 2019
14. Pashley A, **Brown T**, Lehn B, Hodge R, Bauer J. Investigating the effects of nutritional status on post-operative complications in a head and neck surgical population. Clinical Oncological Society of Australia (COSA) ASM, Adelaide, November 2019
15. Vivanti, A., **Eadeh, C.**, Juffs, P. Experiences and learnings: mapping food allergy, intolerance and sensitivity items to the systematized nomenclature of medicine-clinical terms (SNOMED-CT). DAA National Conference, Brisbane August 2019
16. Wheeler, M., **Byrnes, A., Young, A.**, Watt, A., Bauer, J. Preoperative nutrition education: The patient perspective. DAA National Conference, Brisbane August 2019
17. Yim, S. Y., **Guthrie, T., de Jersey, S.** Examining the impact of service initiatives to support healthy pregnancy weight gain on weight related documentation. DAA National Conference, Brisbane August 2019.

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

Name	Name of Project	Completed Date	Affiliated University/ies
Angela Byrnes	Nutritional care and status of older surgical patients	Feb 2019	UQ
Kylie Matthews	Refeeding syndrome in acute care: Is there a dietetics role?	Feb 2019	UQ

Other communications and outputs:

Staff Member	Details
Abigail Marsh	The Gut Microbiome episode of My Amazing Body podcast. https://www.health.qld.gov.au/news-alerts/podcast/my-amazing-body-the-gut-microbiome – 30 th May 2019
Christine Eadeh	ABC interview: Late meals vending machine (during DAA conference, 2019) – supported by DAA Media
Adrienne Young	Infuse Dietitian Connection magazine September 2019 https://view.joomag.com/infuse-infuse-9-september-2019/0069842001567558306/p24?short

Dr Adrienne Young (*Nutrition and Dietetics*) receiving “Research in Practice” award at the national Dietitians Association of Australia conference.



DEPARTMENT OF OCCUPATIONAL THERAPY

Translating research into better outcomes for patients is a key driver for Occupational Therapy at The Royal Brisbane and Women's Hospital (RBWH). Occupational Therapy continues to grow in building research capacity, experience and in delivering research outcomes. Occupational Therapy research has focused on translating or generating new evidence to improve our patients' hospital journey, health outcomes and re-engagement with peoples' life roles i.e. "occupations".

A variety of strategies have been implemented to facilitate clinician engagement and participation in research which include:

- Embedding a professional practice framework
- Recruitment and retention of critical roles and skill set
- A dedicated Research Co-ordinator role to develop capability
- Integration of research activities into operational planning
- Introduction of clinical auditing to inform consistent, evidence based practice in high volume OT services.

2019 was a successful year for Occupational Therapy with 7 peer reviewed publications, 13 National and international conference presentation and \$513,120 in competitive grant funding.

Highlights for Occupational Therapy in 2019 include:

- CAHRLI Award for Excellence in Research Learning and Innovation awarded to Emeritus Professor Jenny Strong, Research Co-ordinator
- Pain ROADMAP and lead investigator Dr Nicole Andrews awarded:
 - ↳ winner Research and Development Project of 2019, Queensland iAwards
 - ↳ merit award for Data Insights Innovation 2019, Queensland and Australian iAwards
 - ↳ merit award for Community Service Market 2019, Australian iAwards.
- 7 RBWH Foundation Scholarships awarded for 2020 – 4 new, 3 renewals



Emeritus Professor Jenny Strong (*Occupational Therapy*), recipient of the CAHRLI Award for Excellence in Research, Learning and Innovation (pictured with Sue Laracy (*Director Occupational Therapy* and Mark Butterworth, *Executive Director Allied Health Metro North*))

- Growth of research activity from 8 % to 40 % participation rate (2017 to 2019)
- “Expert Consumer” led research into Burns survivorship
- Jamieson Trauma Institute funding for the evaluation of clinical protocols of radial wrist fractures
- Ongoing partnership with the Herston Biofabrication Institute evaluating the effectiveness of scar management technology including fractional CO 2 ablative laser.

Introduction of a dedicated research co-ordinator has accelerated the rate of clinician engagement in Occupational Therapy research and knowledge translation and recognition is made of the significant contribution by Emeritus Professor Jenny Strong.

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>
Andrea Mc Kittrick	Doctor of Philosophy, UQ (2018-2023)	Outcome measures for hand burn injuries	Louise Gustafsson
Erin Crofton	Master of Philosophy, UQ (2018-2020)	Sensory sensitivity and adherence with compression garments after burn injuries	Jenny Strong , Pam Meredith, Paul Gray
Genevieve O'Donoghue	PhD CQU (2018-2020)	Couples, attachment and chronic pain	Pamela Meredith, Jenny Strong , Nicole Andrews
Giovanna Tornatore	Doctor of Philosophy, UQ (2019-2027)	Rehabilitation intensity for patients with upper limb impairment – what is the impact on occupational performance.	Hannah Gullo, Jenny Fleming
Grace Brandjerporn	PhD UQ (2016-2019)	Pre-natal and perinatal attachment and child development	Pamela Meredith, Jenny Strong
Kaitlyn Spalding	MPhil Griffith University (2019-2023)	Outcomes after daily living group training	Louise Gustafsson
Kathryn Goodchild	MPhil UQ (2019-2023)	Functional cognition in neurosurgery	Jenny Fleming
Nicole Coghlan	Masters of Philosophy, UQ (2015-2019), Conferred December 2019	Patient experiences of wearing compression garments post burn injury	Jenny Strong , Jodie Copley, Tammy Aplin, Sue Laracy
Sarah O'Reilly	Master of Philosophy, UQ (2018-2020)	The efficacy of stretch tapes in reducing hypertrophic scarring after burn injury	Jenny Ziviani, Jenny Strong
Shannon Scarff	Master of Philosophy, UQ (2018-2021)	Ecological assessment of cognition by the occupational therapist: The Multiple Errands Test revised in the Australian context	Jennifer Fleming, Hannah Gullo, Emily Nalder
Stephanie Power	PhD UQ (2014-2019)	The language of pain in the birthing room; a cross cultural perspective	Fiona Bogossian, Roly Sussex, Jenny Strong

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
Jenny Strong	Emeritus Professor	24 hrs/mth	In-kind	School of Health and Rehabilitation Sciences	The University of Queensland,
	Adjunct Professor			School of Health, Medical and Applied Sciences	Central Queensland University
Michelle Donovan	Honorary Associate lecturer	0.25 hrs/mth	In-kind	School of Health and Rehabilitation Sciences	The University of Queensland

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
Amber Jones , Perry Judd <i>(PT)</i>	Michelle Cottrell <i>(PT)</i> , Anita Plaza <i>(PT)</i> , Andrea Mc Kittrick , Angela Chang <i>(CAHR)</i> , Clare Burns <i>(SP)</i>	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care
Amber Jones , Perry Judd <i>(PT)</i>	Michelle Cottrell <i>(PT)</i> , Anita Plaza <i>(PT)</i> , Andrea Mc Kittrick , Angela Chang <i>(CAHR)</i> , Clare Burns <i>(SP)</i> , Hannah Carter <i>(QUT)</i>	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the RE-AIM approach

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
Andrea Mc Kittrick	Amber Jones, Sue Laracy, Jenny Strong, Andre Baeur <i>(Psychology)</i>	“Scar Wars” – The effective use of cinemagraphic remedial make up by Occupational Therapy to conceal disfiguring scars”
Andrea Mc Kittrick	Amber Jones, Jason Brown <i>(Professor Pegg Adult Burns Centre, RBWH)</i>	A retrospective review of the management and functional outcomes of patients who developed Heterotopic Ossification in one or bilateral upper limbs post severe burn injury at Royal Brisbane and Women’s Hospital (RBWH) between 2006 and 2016
Andrea Mc Kittrick	Sue Laracy, Jenny Strong, Michael Rudd <i>(Burns)</i>	Royal Brisbane and Women’s Hospital Occupational Therapy auditing framework for identifying improvements to acute adult burns care”
Andrea Mc Kittrick	Amber Jones and Australian Catholic University – School of Occupational Therapy	A feasibility study of the Canadian Occupational Performance Measure (COPM) in the burn’s cohort in an acute tertiary facility
Andrea Mc Kittrick	Amber Jones and The University of Queensland – School of Health and Rehabilitation Sciences – Occupational Therapy	To determine PREMs and PROMS post burn injuries to the ear from the consumer and clinician perspectives across Australia and New Zealand
Celeste Glasgow	Sue Laracy, Kathy Green <i>(Logan),</i> Ruth Cox <i>(QE2),</i> Leo Ross <i>(QE 2)</i>	Evaluation of the Primary Contact Occupational Therapy Hand (PCOTH) Clinical Outcomes ; non carpal tunnel syndrome (CTS) diagnoses
Celeste Glasgow	Sue Laracy, Cherie Aceto	What is the most effective orthosis for improving PIP joint extension following hand trauma? A RCT
Celeste Glasgow	Sue Laracy, Kristin Kirwan	Occupational Therapy Hand Unit Consumer engagement project
Erin Crofton	Amber Jones, Sue Laracy, Jenny Strong, Paul Gray, <i>(Pain Centre)</i>	The use of Immersive Virtual Reality in Occupational Therapy during burn wound care procedures
Erin Crofton	Jenny Strong, Pamela Meredith <i>(Central Queensland University),</i> Paul Gray <i>(Pain Centre)</i>	Is sensory sensitivity a factor in non-adherence in compression garment wear post burn?
Kathy Goodchild	Jenny Fleming <i>(UQ),</i> Jodie Copley <i>(UQ)</i>	Translating the evidence to improve Occupational Therapy assessment of functional cognition following acute traumatic brain injury (TBI)
Kaitlyn Spalding	Louise Gustafsson <i>(GU)</i>	Enhancing occupational performance using the LifeSkills program
Kaitlyn Spalding	Kristin Kirwan	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice
Kristin Kirwan	John Fraser <i>(TPCH),</i> Chris Anstey <i>(TPCH)</i>	Determining the pressure redistribution properties of selected commercial and custom made products to reduce the incidence of pressure injury development on the head
Nicole Andrews	Belinda Long, Jenny Strong, Sue Laracy	Evaluation of occupational therapy interventions within the orthopaedic physiotherapy screening clinic
Nicole Andrews	Marlien Varnfield <i>(CSIRO),</i> David Ireland <i>(CSIRO)</i>	Towards understanding how much is too much for individuals with chronic pain
Nicole Andrews	Olivia Zheng <i>(Trauma Service),</i> Jodie Ross <i>(Trauma Service),</i> Venerina Johnston <i>(UQ),</i> Elise Gane <i>(UQ),</i> Esther Smits <i>(UQ),</i> Charlotte Brakenridge <i>(UQ),</i> Paul Gray, <i>(Professor Tess Cramond Multidisciplinary Pain Centre),</i> Michael Rudd <i>(Trauma Service)</i>	An investigation of the prevalence, impact, and management of chronic pain post trauma at a tertiary public hospital
Nicole Andrews	David Ireland <i>(CSIRO),</i> Marlien Varnfield <i>(CSIRO),</i> Cate Sinclair <i>(Pain Specialists Australia),</i> Michael Deen <i>(MSHHS),</i> Kathleen Cooke <i>(St Vincents),</i> Helen Rowe <i>(The Therapy Space),</i> Atiyeh Vaezipour <i>(UQ),</i> Esther Smits <i>(UQ)</i>	Is app gamification effective in increasing consumer engagement and satisfaction? An evaluation of gamification for a chronic pain monitoring app
Nicole Andrews	Venerina Johnston <i>(UQ),</i> Genesta Nicolson <i>(Psychology),</i> Michael Handy <i>(Trauma Service),</i> Robyn Charles <i>(Trauma Service)</i>	Evaluating the use of the ‘Leading the Way in Your Recovery’ resource
Nicole Coghlan	Jenny Strong, Jodie Copley (UQ), Tammy Aplin <i>(UQ),</i> Sue Laracy	Patient experiences of wearing compression garments post burn injury

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
Robyn Scheer		The Lymphoedema Arm Measurement Study – Winter vs Summer
Robyn Scheer	Nicole Andrews, Erin Crofton	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema
Sarah O'Reilly	Jenny Ziviani (UQ), Jenny Strong , Jason Brown (Surgery)	The application of multidimensional tape on small size burn scars
Shannon Scarff	Jennifer Fleming (UQ), Hannah Gullo (UQ), Emily Nalder (UofToronto)	Ecological assessment of cognition by the occupational therapist: The Multiple Errands Test revised in the Australian context
Sue Laracy	Kristin Kirwan, Jenny Strong	Acute surgical business case 7 day service review
Tennille Rowland	Giovanna Tornatore, Beverley Lewis, Sue Laracy , Simon Finnigan (UQCCR)	Occupational therapy stroke audit: Measuring compliance of occupational therapy practice with evidence – based guidelines

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Atiyeh Vaezipour (UQ), Mark Horswill (UQ), Oscar-Oviedo Trespalacios (CARRS-Q), Venerina Johnston (UQ), Patricia Delhomme (IFSTAR)	Nicole Andrews	Improving the management of driving behaviour in individuals with chronic pain
Charlotte Brakenridge (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Elise Gane (UQ)	Nicole Andrews	Impact of interventions on work-related outcomes for individuals with musculoskeletal injuries after road traffic crash: a systematic review protocol
Elise Gane (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Exploring the perspectives of key stakeholders in return to work after road traffic crash
Esther Smits (UQ), Venerina Johnston (UQ), Charlotte Brakenridge (UQ), Elise Gane (UQ)	Nicole Andrews	Recovery following a road traffic crash – a Delphi study
Jessica Thackeray (UQ), Sophie Bowen (UQ), Cory Poll (UQ), Pamela Meredith (CQU)	Jenny Strong, Nicole Andrews	“Can Sensory- and Attachment-Informed approaches be used to modify perceptions of pain?”
Kirsten Cook (SCUH)	Simon Finnigan (UQCCR), Sue Laracy	Evaluation of the Primary Contact Occupational Therapy Hands Pathway in the Treatment of Carpal Tunnel Syndrome; statewide
Louise Corben (MCRI), Martin Delatycki (MCRI)	Tennille Rowland, Jenny Strong, John O’Sullivan (Neurology), Sue Laracy	Does functional electrical stimulation improve hand function and daily participation of individuals with Friedreich ataxia?
Lynn DeBar (Kaiser Permanente Centre for Health Research, Portland, USA), Meghan Mayhew (Kaiser Permanente Centre for Health Research, Portland, USA)	Nicole Andrews	PPACT Administrative Supplement for Research on Sleep Disturbances and Impact on Chronic Pain
Midori Nakagaki (BMT Pharmacist)	Therese Hayes (Nursing) Jenni Leutenegger (Nursing); Caroline Steward (Nursing); Midori Nakagaki (Pharmacy), Rebecca Fichera (Dietetics), Leonie Naumann (Physiotherapy), Justine Brennan (Social Work), Suzette Fox (Social Work Team Leader), Emma Foley, Erin Crofton , Nicole Gavin (Nursing), Glen Kennedy (Haematology), Cameron Curley (Haematology)	Implementation and Evaluation of a Nurse-Allied Health Multidisciplinary Post-Bone Marrow Transplant Clinic
Shanithi Kanagarajah (Geriatrics, RBWH)	Sue Laracy , Kana Appadurai (Geriatrics), Kathleen Richter (Nursing), Gisela Brittain	Hospital Wide clinician led audit of patients requiring sub acute care in a large tertiary hospital
Venerina Johnston (UQ), Melissa Kendall (MSHHS), Donna Valiant (UQ), Ray Quinn (MSHHS), Ben Turner (MSHHS), Hannah Gullo (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Review of Vocational Rehabilitation Services for persons with brain injury within Queensland

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Jenny Strong	Award for Excellence in Research Learning and Innovation 2019	CAHRLI , 19 June 2019
Nicole Andrews	Pain ROADMAP – Winner Research and Development Project of the Year 2019	Queensland iAwards
	Pain ROADMAP – Merit Award for Data Insights Innovation of the Year 2019	
	Pain ROADMAP – Merit Award for Community Services Market 2019	
Nicole Andrews	Pain ROADMAP – Merit Award for Research and Development Project of the Year 2019	
	Pain ROADMAP – Merit Award for Data Insights Innovation of the Year 2019	Australian iAwards

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
Andrea McKittrick (OT)	OT	To develop a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers	RBWH Foundation Postgraduate Scholarship – renewal	\$38,083	\$38,083	2019
Atiyeh Vaezipour (UQ), Nicole Andrews (OT and UQ), Mark Horswill (UQ), Oscar-Oviedo Trespalacios (CARRS-Q), Venerina Johnston (UQ), Patricia Delhomme (IFSTAR)	OT	Improving the management of driving behaviour in people with chronic pain: perspective of people with chronic pain and health professionals	RACV Safety Research Fund	\$74,630	\$20,000	2019-2020
Erin Crofton	OT	Is sensory sensitivity a factor in non-adherence with compression garments postburn?	RBWH Foundation Postgraduate Scholarship	\$38,083	\$38,083	2019
Freyr Patterson (UQ), Amanda Pigott (UQ), Jennifer Fleming (UQ), Cate Fitzgerald (QH), Jenny Strong , Stephen Birch (UQ), Mary Whitehead (PAH), Sue Laracy , Amy McKenzie , Giovanna Tornatore and Jackie Searles (PAH)	UQ SHRS OT, OT PAH, and OT RBWH	Student-resourced service delivery group placements in occupational therapy: an economic and health evaluation	UQ Faculty of Health and Behavioural Sciences Economic and Health Value of Student Placements Research Grants	\$50,000	\$50,000	2019
Jason Brown (Burns), Michael Rudd (Burns), Sue Laracy , Michelle Donovan	Burns and OT	Biofabrication for Better Burn Treatment	MNHHS Program Engagement (Clinical and Research), Herston Biofabrication Institute	\$2,499,645	\$499,929	2018-2022
Jason Brown (Burns), Michelle Donovan , Zephania Tyack (UQ), Steve McPhail (QUT)	Burns and OT	Feasibility, acceptability, costs and preliminary effect of an innovative ablative fractional CO2 laser service for people with burn scars	QLD Health New Health Technology Funding Evaluation Program	\$39,944	\$39,944	2019
Jason Brown (Burns), Michelle Donovan , Zephania Tyack (UQ), Steve McPhail (QUT)	Burns and OT	Feasibility, acceptability, costs and preliminary effect of an innovative ablative fractional CO2 laser service for people with burn scars	RBWH Foundation Project Grant	\$30,000	\$30,000	2019
Jenny Strong , Sarah O'Reilly , Dale Trevor, Jodie Copley (UQ), Tammy Aplin (UQ), Joanna Mollison (Allied Health), Nicole Coghlan (QCH), Sue Laracy and Jason Brown (Burns)	OT, Allied Health and Burns	The Lived Experience of Pressure Garments: an Exploration of the Partnership between Expert Consumers and Occupational Therapists in a Tertiary MDT Burns Centre	RBWH Foundation grant	\$14,965	\$14,965	2019

Research Grants (cont)

Investigators (RBWH staff in bold)	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Kaitlyn Spalding and Kylie Watson	OT	Digital technology in home assessments	CAHRLI Innovation/translation Challenge	\$2,000	\$2,000	2019
Nicole Andrews (OT and UQ), David Ireland (CSIRO), Marlien Varnfield (CSIRO)	OT	An evaluation of the usability of a pediatric version of the Pain ROADMAP App	APS/APRA/CFK Clinical Research Grant	\$30,000	\$12,400	2019-2020
Perry Judd (Physiotherapy), Amber Jones	Physiotherapy and OT	RBWH OT/PT led burns outpatient telehealth service	MNHHS	\$139,167	\$48,680	2019-2020
Sarah O'Reilly, Jenny Strong and Jason Brown (Burns)	OT and Burns	Elastic tapes in burn scar management	CAHRLI Innovation/translation Challenge	\$5,000	\$5,000	2019
Shannon Scarff	OT	Ecological assessment of patient cognition by the occupational therapist: The Multiple Errands Test-Revised in the Australian context	RBWH Foundation Postgraduate Scholarship	\$38,083	\$38,083	2019

2019 Research Publications

Journal Articles

1. Brakenridge, C L., Gane, E M., Smits, E J., **Andrews, N E.**, Johnston, V Impact of interventions on work-related outcomes for individuals with musculoskeletal injuries after road traffic crash: a systematic review protocol. *Systematic Reviews*, 2019 8 1: 247. doi:10.1186/s13643-019-1178-2
2. Coghlan ,N, Copley,J, Aplin T, **Strong, J.** How to improve compression garment wear after burns: patient and therapist perspectives. *BURNS*. 2019. Doi.org/10.1016/j.burns.2019.04.018
3. Coghlan ,N, Copley,J, Aplin T, **Strong, J.** The experience of wearing compression garments after burn injury: “On the inside it is still me”. *BURNS*, 2019 doi.org/10.1016/j.burns.2018.08.014
4. Cox R, **Laracy S, Glasgow G,** Green G, Ross L. Evaluation of occupational therapy-led advanced practice hand therapy clinics for patients on surgical outpatient waiting lists at eight Australian public hospitals *J Hand Therapy* 2019 DOI: <https://doi.org/10.1016/j.jht.2019.01.004>
5. **Crofton, E.**, Meredith, P., Gray, P., **O'Reilly, S.** & **Strong, J.** (2019). Non-adherence with compression garment wear in adult burn patients: A systematic review and meta-ethnography, *BURNS*, <https://doi.org/10.1016/j.burns.2019.08.011>
6. Hasenbring, I., **Andrews, N E,** Ebenbichler, G, Overactivity in Chronic Pain, the Role of Pain Related Endurance and Neuromuscular Activity – An Interdisciplinary, Narrative Review. *The Clinical Journal of Pain*. 2019 doi: 10.1097/AJP.0000000000000785
7. Ireland, D, **Andrews, N** Pain ROADMAP: A mobile platform to support activity pacing for chronic pain. *Stud Health Technol Inform* 2019;266:89-94. doi: 10.3233/SHTI190778.

Conference Presentations – Invited Speaker, Oral and Poster

Invited Speaker

1. **Andrews, N.** Over-exercising and pain? Moving on With Pain Symposium, Aarhus, Denmark, November 2019.

Oral Presentations

1. **Glasgow, C.,** Cox, R., **Laracy, S.,** Green, K., Ross, L. (2019). Advanced scope of practice (ASP) hand therapy-led care improves patient reported function and enhances patient satisfaction, for hand injured consumers of QLD Health. Australian Hand Therapy Association National Conference, Melbourne
2. **Jones, A.,** Judd, P., Cottrell, M., Plaza, A., **Mc Kittrick, A.,** Chang, A., Burns, C. Exploration of patients' views towards the implementation of an Allied Health led TeleBurns model of care. Australian and New Zealand Burns Association, ASM, Hobart, October 2019
3. **Mc Kittrick, A., Jones, A.** & Brown, J. “A retrospective review of the management and functional outcomes of patients who developed Heterotopic Ossification in one or bilateral upper limbs post severe burn injury at Royal Brisbane and Women’s Hospital (RBWH) between 2006 and 2016” Australian and New Zealand Burns Association, ASM, Hobart, October 2019

Oral Presentations *(cont)*

4. **Mc Kittrick, A.**, Reeves, A., Lee, A. & Cloete, I. "A scoping review of the incidences of basal cell and squamous cell carcinomas in burns survivors, and the efficacy of sun protection" Australian and New Zealand Burns Association, ASM, Hobart, October 2019
5. **Millard, H.**, Gustafsson, L., Molineux, M, O'Shea, K. A systematic review of outcomes measures used to evaluate the effectiveness of task-specific training after stroke. Occupational Therapy Australia National Conference – Sydney – July 2019
6. **Millard, H.**, Gustafsson, L., Molineux, M, O'Shea, K. Understanding peoples' experience of using the SaeboFlex® following a stroke. Authors: Hayley Millard, Louise Gustafsson, Matthew Molineux, and Katherine O'Shea. Occupational Therapy Australia National Conference - Sydney – July 2019
7. **Tornatore G, Laracy S, Spalding, K, Cooper, T, Scarff, S.** Frequency and intensity of practice: moving towards evidence informed Occupational Therapy services. Occupational Therapy Australia, 28th National Conference and Exhibition, July 2019.

Poster Presentations

1. **Laracy S,** Nickson G, Sheahan N, **Glasgow C,** Cox R, Ross L, Green K. Patient satisfaction with Occupational Therapy led conservative management of chronic hand and wrist conditions. Occupational Therapy Australia, 28th National Conference and Exhibition, July 2019
2. **Laracy S, Strong J.** Transforming occupational therapy practice through a culture of research informed care. Occupational Therapy Australia, 28th National Conference and Exhibition, July 2019
3. **Mc Kittrick, A., Jones, A., Laracy, S., Strong, J.** & Bauer, A. "The Effective use of Cinemagraphic Remedial Make Up by Occupational Therapy to Conceal Disfiguring Scar" Australian and New Zealand Burns Association, ASM, Hobart, October 2019
4. Meredith P, **Strong J, Andrews N,** Thackeray J, Bowen S, Poll C. Sensory modulation and attachment coping strategies in an experimental pain situation. Australian Pain Society Annual Scientific Meeting, April 2019
5. **Rowland T,** O'Sullivan J, Delatycki M, **Strong J,** Corben L. Electrical stimulation to improve hand function in people with Friedreich Ataxia. 2019 International Ataxia Research Conference, Washington, USA, November 2019.

RBWH Occupational Therapy Research Team



DEPARTMENT OF PHYSIOTHERAPY



In 2019, the Physiotherapy research programme undertook research and quality activities across both inpatient and outpatient settings. This year saw implementation of the team-based project activity which led to research and quality activities being undertaken in critical care, surgery, medicine, cancer care, musculoskeletal, neurosciences, rehabilitation and women's and newborn services.

Research highlights for 2019 include:

- A focus on innovative models of care including telehealth applications for outpatient services in OPSC, cancer care and burns
- Continued research into advanced and extended scope of practice roles such as medication prescribing by emergency physiotherapy practitioners, vestibular clinics and primary contact musculoskeletal clinics.
- Implementation of team-based research and quality projects to increase research capacity across the Physiotherapy tment at RBWH.

The Physiotherapy Department continued to develop strong research collaborations with universities with ongoing support for existing Conjoint Research Fellow positions with the University of Queensland (Dr Shaun O'Leary) and Griffith University (Assoc Prof Jenny Paratz). Through research higher degrees, collaborations have also been forged with Queensland University of Technology and the Australian Catholic University.

In 2019, 55 research projects were undertaken with participation from 84 staff members. One staff member successfully completed their PhD and three others continue their PhD studies. Research activities led to 20 peer reviewed publications, 15 national and international conference presentations and involvement in close to \$450 000 grant funding. The Physiotherapy Department was successful in receiving an RBWH Foundation AH TRIP Enabling Implementation award for their implementation of team-based research within the department. Michelle Cottrell and team received a highly commended award at the 2019 Metro North Research Excellence Awards and 2 other staff members received awards at a national and international conferences.

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>
Alan Wan	PhD, UQ (2016-2019)	Movement Evoked Pain Sensitivity in Chronic Spinal Pain	Shaun O'Leary , Michael Sullivan, Michele Sterling
Ian Parker	PhD, ACU (2013-2019)	The Prevalence, Profile and Efficacy of conservative management for Hospital Ear Nose and Throat Category 2 and 3 wait list patients with vestibular dysfunction	Nancy Low Choy, Ann Rahman, Tracy Comans, David Goode
Jemima Boyd	MPhil, Griffith (2016-2019)	Haemodynamic measurement in mobility post cardiac surgery	Jennifer Paratz , James Walsh
Judith Bellapart	PhD, UQ (2013-2019)	Microcirculation in head injury: an ovine model	Jennifer Paratz , Rob Boots, John Fraser
Julie Adsett	PhD, Griffith (2013-2019) <i>Conferred May 2019</i>	Exercise rehabilitation for people with heart failure	Norm Morris, Allison Mudge, Jennifer Paratz , Suzanne Kuys
Lauren O'Connor	PhD, Griffith (2015-2019)	The effect of the Passy Muir valve on postural retraining	Jennifer Paratz , Norm Morris
Mark Cruickshank	PhD, QUT (2017-2023)	An Evaluation of Physiotherapy Prescribing in the Emergency Department	Lisa Nissen, Greg Kyle
Martha Druery	PhD, UQ (2016-2020)	Predictors of Quality of life outcomes post burn injury	Jennifer Paratz , Jeff Lipman, Cate Cameron, Peter Newcombe

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>
Maureen Peasy	MPhil, Griffith (2015-2019)	Physical activity in COPD	Jennifer Paratz , Norm Morris
Michelle Cottrell	PhD, UQ (2015-2019)	Evaluating the impact of a telerehabilitation model of care in an orthopaedic physiotherapy-led screening clinic & multidisciplinary service	Trevor Russell, Shaun O'Leary , Anne J Hill, Tracy Comans
Olivia Galea	PhD, UQ (2015-2019) <i>Conferred July 2019</i>	Do impairments exist beyond expected recovery time following Mild Traumatic Brain Injury and what is their relationship with self-reported symptoms?	Shaun O'Leary , Julia Trelevan
Orlando Flores	PhD, UQ (2014-2019) <i>Conferred July 2019</i>	Metabolism in Burns	Jennifer Paratz , Kellie Stockton, Zephania Tyack
Prudence Butler	PhD, UQ (2019-2023)	Illness Representations and recovery outcomes after traumatic extremity injuries	Michele Sterling, Shaun O'Leary , Melita Guimmarra
Rebecca Hardy	MPhil Griffith (2017-2019)	Physical activity post heart-lung transplantation	Norm Morris, Jennifer Paratz
Rebecca Kelly	MPhil, Griffith (2015-2019)	Factors predicting daily physical activity post heart transplantation	Jennifer Paratz , Norm Morris

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
Jennifer Paratz	Conjoint Principal Research Fellow	1.0	50% operational, 50% external	Multiple projects in the area of ICU and Burns	Griffith University
Michelle Cottrell	RBWH Physiotherapy Research Coordinator	0.4 Jan-Sept	Operational	Multiple projects within Physiotherapy Department	N/A
Peter Window	RBWH Physiotherapy Research Coordinator	0.4	Operational	Multiple projects within Physiotherapy Department	N/A
Julie Adsett	RBWH Physiotherapy Research Coordinator	0.4 Sept-Dec	Operational	Multiple projects within Physiotherapy Department	N/A
Shaun O'Leary	Conjoint Fellow	1.0	50% operational, 50% external	Multiple projects in the area of Musculoskeletal Physiotherapy and supervision of Honours, Masters and PHD students	University of Queensland

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

Name	Position	FTE	Research Program	Affiliated University/ies
Hildegard Reul-Hirche	Honorary Research Position		Multiple projects in the area of Cancer Care Research	N/A
Lucy Thomas	Honorary Research Position	4 days/mnth (1 day/wk)	Neck pathology differential diagnosis in emergency department presentations	University of Queensland
Venerina Johnson	Honorary Research Position		Facilitating return to pre-injury function	RECOVER
Esther Smits	Honorary Research Position		Facilitating return to pre-injury functioning after road traffic accidents	RECOVER

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
Anita Plaza	Jennifer Paratz, Michelle Cottrell	Telehealth for the delivery of Physiotherapy exercise programs following burn injury
Anita Plaza	Phillipa Ault, Marnie Macfie, Brooke Mulliss, Joanne Alexander, Charlotte Jackson, Catherine Sharpe, Jacinta Weber, Catherine Anderson, Gemma Allinson, Michelle Cottrell	An audit of movement and mobility protocols after surgical intervention for the management of burn injuries at the Royal Brisbane and Women's Hospital
Brita Hughes	Leanne Hepnar, Damian Caruana, Laura Murphy, Suzette Griffioen, Alice Beningfield, Ian Parker, Peter Window, Harriet Sheahan	Audit of Physiotherapy Adherence to Aspects of Clinical Guidelines for Stroke (2017)
Brita Hughes	Tim Donovan (<i>Neonatal Medicine</i>), Jennifer Paratz	Outcome in neonates with HIE
Sarah Flanagan	Gary Mitchell, Shea Roffey	Adherence to clinical practice guidelines for low back pain presentations to the RBWH Emergency and Trauma Centre
Cara Masterson	Janene Stephens, Lorelle Hawes, Emily Edwards, Melissa Webber, Jenny Boyce, Jenny Paratz, Michelle Cottrell	Hydrotherapy in the management of persistent pelvic pain: a pilot, randomised controlled trial
Emilie Amiss	Merinda Rhodes, Michelle Cottrell	Evaluation of a stepping strategy mobile application in cardiopulmonary rehabilitation: a prospective cohort study
Garry Anderson	Emilie Amiss, Peter Window, Michelle Cottrell	RBWH Physiotherapy staff attitudes toward undergraduate physiotherapy student clinical education: a cross-sectional survey
Ian Parker	Gretta Palmer (<i>PAH</i>), Leia Barnes (<i>Logan</i>), Tamsin Smith (<i>GCUH</i>)	An evaluation of the Allied Health Specialist Clinics – Vestibular Rehabilitation Services
Ian Parker	Damian Caruana, Lindsay Martin, Alexandra Boughey, Merinda Rhodes, Brett Parfitt, Amy Naumann, Michelle Cottrell	Measuring physiotherapy intensity of practice for patients admitted to the RBWH Geriatric Assessment and Rehabilitation Unit: a service evaluation
Jennifer Paratz	Rob Boots (<i>Thoracic Medicine</i>), Justin Kenardy (<i>UQ CONROD</i>), Fiona Coyer (<i>RBWH and QUT Nursing</i>), Peter Thomas , Tracy Comans (<i>UQ</i>), Jack Iwashyna (<i>University of Michigan</i>), Ignacio Martin-Loaches (<i>University of Dublin</i>), Carol Hodgson (<i>Monash University</i>), Bernadette Bissett (<i>Canberra University</i>)	Improving the outcome of sepsis: RCT
Jennifer Paratz	Geetha Kayambu (<i>National University Hospital, Singapore</i>), Rob Boots (<i>Thoracic Medicine</i>)	i-perform – Early rehabilitation in sepsis
Jennifer Paratz	Peter Thomas , Kellie Stockton (<i>LCCH</i>)	Saline installation in respiratory therapy in ICU, a crossover study
Jennifer Paratz	Rob Boots (<i>Thoracic Medicine</i>), Michael Muller (<i>Surgery</i>), Rajeev Hegde (<i>ICU</i>)	Inhalation and right heart failure in burns
Jennifer Paratz	Jason Roberts (<i>UQ, Pharmacy</i>), Michael Muller (<i>Surgery</i>), Kellie Stockton (<i>LCCH</i>), Rob Boots (<i>Thoracic Medicine</i>), Orlando Flores (<i>UQ Medicine</i>)	Beta blocker therapy in burns: an RCT
Jennifer Paratz	Michael Muller (<i>Surgery</i>), Anita Plaza , Kellie Stockton (<i>LCCH</i>), Jonny Younger (<i>Cardiology</i>), Orlando Flores (<i>UQ, Medicine</i>)	IMPACT- Improving physical and psychological outcomes in burns: an RCT
Jennifer Paratz	Kellie Stockton (<i>LCCH</i>), Rob Boots (<i>Thoracic Medicine</i>)	Exercise testing in the chronic critically ill
Jennifer Paratz	Jonny Younger (<i>Cardiology</i>), Cate Cameron (<i>Jamieson Trauma Institute</i>)	Mortality in burns survivors
Jennifer Paratz	Jonny Younger (<i>Cardiology</i>), Sanjoy Paul (<i>QIMR</i>), Kellie Stockton (<i>LCCH</i>)	Cardiovascular disease in burn survivors
Jennifer Paratz	Peter Thomas , Alice Jones, George Ntoumenopoulos (<i>SUT</i>), Antonio Torres (<i>University of Barcelona</i>), Gianluigi (<i>University of Barcelona</i>)	Location and identification of secretion retention in ICU patients
Jennifer Paratz	Michael Muller (<i>Surgery</i>), Rob Boots (<i>Thoracic Medicine</i>)	Microcirculation as an endpoint to burn resuscitation
Kirsty Quince	Leonie Naumann, Michelle Cottrell, Hildegard Ruel-Hirche , Kowsalya Murugappan (<i>Centre for Breast Health, RBWH</i>)	Incidence of lymphoedema following lymph node removal in the surgical treatment of breast cancer: a retrospective audit
Leonie Naumann	Jennifer Paratz, Michelle Cottrell, Hildegard Reul-Hirche , Clare Burns (<i>SP</i>), Tracy Comans (<i>UQ</i>), Anna Finnane (<i>UQ</i>), Trevor Russell (<i>UQ</i>)	A telehealth model for education and monitoring for early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: A pilot cohort study

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
Leonie Naumann	Hildegard Ruel-Hirche , Amanda Pigott (UQ), Jodie Nixon	Advanced lymphedema course quality evaluation
Mahender Samanti	Matthew Grundy, Catherine Chong, Michelle Cottrell	Evaluation of hand splinting service to the management of hand injuries presenting to the RBWH Emergency and Trauma Centre
Mahender Samtani	Jennifer Paratz, Shaun O'Leary	Management of Back Pain in DEM: an RCT
Maree Raymer	Tracy Comans (UQ), Shaun O'Leary, Louise Mitchell, Peter Window	An evaluation of the variation in clinical and service related site characteristics of the state-wide Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multidisciplinary Service (N/OPSC & MDS) and Orthopaedic Screening in Primary Care (OSiP).
Maree Raymer	Patrick Swete Kelly , Tina Souvlis (GU), Angela Chang (CAHR)	Development and Implementation of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles (Survey phase)
Maree Raymer	Patrick Swete Kelly , Tina Souvlis (GU), Louise Wellington , Angela Chang (CAHR)	Development and Implementation of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles(Consultation Phase)
Maree Raymer	Shaun O'Leary, Michelle Cottrell , Natalie Collins (UQ), Liam Maclachlan (UQ), Michelle Smith (UQ), Bill Vicenzino (UQ), Tracy Comans (UQ), Joanne Kemp (LTU), Christian Barton (LTU), Darryl Lee , Stuart McCaskill (QEII), Andrew Hislop (TPCH)	Implementation of GLA:D in Queensland public health services: towards a standardised non-surgical management approach for hip and knee osteoarthritis
Mark Cruickshank	Maree Raymer , Deborah Lenaghan (GCUH), Darryn Marks (GCUH), Sonia Sam , Tania Cavanagh (Cairns Hosp), Lisa Nissen (QUT), Mark Nelson (QEII), Dean Blond (GCUH), Rod Ellem (GC HHS), Cherie Hearm (PAH), Nicole Bellet (TPCH)	Physiotherapy Defined Scope of Practice (Prescribing)
Matthew Stewart	Craig Winter (Neurosurgery), Mary-Ann Litchfield, Michelle Cottrell, Maree Raymer	Is it appropriate for Advanced Musculoskeletal Physiotherapists to see Category 1 spinal outpatients in a tertiary neurosurgery outpatient department: a service evaluation
Megan Shipperley	Michelle Cottrell, Heidi McCarthy, Charlotte Kiemann, Anne Mitchell, Natalie Karlovic, Alissa Chapman.	RBWH Pulmonary Rehabilitation: Review of referral practices and analysis of the impact attendance has on readmission rates
Megan Shipperley	Julie Adsett, Kermeen Kansara	Exploration of perceived barriers for referral to pulmonary rehabilitation at the Royal Brisbane and Women's Hospital
Michelle Cottrell	Shaun O'Leary, Maree Raymer, Anne J Hill (UQ), Tracy Comans, Mark Cruickshank, Perry Judd, Patrick Swete Kelly, Trevor Russell (UQ)	Telerehabilitation in the multidisciplinary management of patients with chronic musculoskeletal conditions: a prospective cohort study
Michelle Cottrell	Perry Judd, Mark Cruickshank, Maree Raymer, Shaun O'Leary, Anne Hill (UQ), Tracy Comans (CAHR), Trevor Russell (UQ)	Spinal Physiotherapy Screening Clinic (SPSC) Telehealth Clinic: an evaluation of the first 2 years of service
Michelle McGrath	James Wood	The use of 3-dimensional gait analysis and its efficacy on the adult population – A Systematic review
Michelle McGrath	James Wood, Estelle Corr	Can Three-Dimensional Motion Analysis and Fuzzy entropy detect movement differences in General Movement Assessment Categories in the normative infant population?
Michelle McGrath	Estelle Corr	Typical progression of gait over the adult life span
Michelle McGrath	James Wood	A Pedobarograph study
Michelle McGrath	Estelle Corr , Venerina Johnston (RECOVER UQ), Esther Smits (RECOVER UQ), Peter Window	Gait Classification Following Traumatic Brain Injury
Michelle McGrath	Bharat Phani Vaikuntam (UQ)	Cost-effective analysis of the use of 3-dimensional gait analysis in the treatment of severe burns
Nanette Paxman	Kye Grant (SCUH), Sharne Neill (Redcliffe), Katie Acland (St. Andrew's), Kirby Adams (Logan)	Tracheostomy State-wide survey
Oliver Rowley	Mahender Samtani, Glen Volker, Darryl Lee, Michelle Cottrell, Peter Window	Quantifying the 'standard' episode of care delivered by the Royal Brisbane and Women's Hospital Physiotherapy Outpatient Department: a retrospective audit

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
Perry Judd	Paula Easton (<i>Mackay Base Hospital</i>), Michelle Cottrell , Tracy Comans (<i>UQ</i>), Angela Chang (<i>Centre for Allied Health Research</i>)	Delivery of Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments from RBWH to Mackay Hospital via Telehealth
Peter Bryan	Peter Window, Joanna Hargreaves, Catherine Sharpe, Ruth McKendry , Rob Laukens (<i>RBWH O+P</i>)	Evaluation of the Outcomes of Pneumatic Post Amputation Mobility Aids in Early Rehabilitation of Lower Limb Amputees
Peter Thomas	Emily Daniel, Drew Bignell	Physiotherapy management of chest trauma
Peter Thomas	Jennifer Paratz	Ventilator Hyperinflation in ventilated patients
Peter Thomas	Jo Alexander, Gemma Baxter, Carol Cross, Melissa Elliot, Hayley Futcher, Christopher Hall, Aimee Moore, Zoe Otto, Nanette Paxman, Liam Picard, Nicole Puetter, Harriet Sheahan, Peter Window	AWOL: Audit of Walking and mobility post-operative Orders Leading to delays in physiotherapy
Raj Singh	Suzanne Kuys (<i>ACU</i>), Jennifer Paratz (<i>RBWH</i>)	Circuit training in GEMS patients an RCT
Raj Singh	Megan Shipperley, Simone Leslie, Isabella Prowse, Peter Window	GEMS QI Project: A study of patient compliance with supervised home exercise programs on discharge from hospital and the effect this has on falls and hospital readmission rates
Sally Yin	Jennifer Paratz	Risk Factors for Readmission to the GEMS ward
Shaun O'Leary	Gwendolyn Jull (<i>UQ</i>), Stephen McPhail (<i>PAH</i>), Glen Volker , Peter Tonks (<i>PAH</i>)	Physical Therapy for Neck Pain – Are we moving in the right direction?
Steven Elvy	Christopher Smith, Andrew Atatham, Jackson Savill, Shama Kulkani, Peter Window	Total Joint Clinical Pathway Review including Day of Surgery Mobilisation and Preadmission Optimisation

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Alan Wan (<i>UQ</i>)	Shaun O'Leary	Movement evoked pain sensitivity in chronic spinal pain
Alison Mudge (<i>IMRU</i>)	Julie Adsett	Exercise participation and outcomes in frail and non-frail heart failure patients: results from EJECTION-HF
Amber Jones (<i>RBWH OT</i>)	Perry Judd, Michelle Cottrell, Anita Plaza , Andrea McKittrick (<i>RBWH OT</i>), Angela Chang (<i>CAHR</i>), Clare Burns (<i>RBWH SP</i>)	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care
Amber Jones (<i>RBWH OT</i>)	Perry Judd, Michelle Cottrell, Anita Plaza , Andrea McKittrick (<i>RBWH OT</i>), Angela Chang (<i>CAHR</i>), Clare Burns (<i>RBWH SP</i>), Hannah Carter (<i>AusHSI</i>)	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the RE-AIM approach
Boden I (<i>Launceston General Hospital</i>)	Nanette Paxman, Peter Thomas , multiple national and international co-investigators (<i>CHESTY Collaborative</i>)	CHESTY (CHEST infection prevalence after surgery): international multicentre observational trial
De Looze J (<i>Internal Medicine Services – IMS</i>)	Mary Fenn, Charles Denaro (<i>IMS</i>), Keshwar Baboolal (<i>IMS</i>), Peter Buttrum (<i>Allied Health</i>), Peter Thomas , Robyn Fox (<i>Centre for Clinical Nursing</i>), Thea-Grace Collier (<i>CMORE</i>), Alison Mudge (<i>IMS</i>), Jeffrey Lipman (<i>ICU</i>), John Gowardman (<i>ICU</i>)	Patients of concern at the RBWH – a prospective cohort study to define patient outcomes and risk of clinical deterioration
Fiona Coyer (<i>Critical Care</i>)	Jessica Ingleman (<i>QUT</i>), Anthony Holley (<i>ICU</i>), Peter Thomas , Greg McNamara (<i>ICU</i>), Chris Edwards (<i>QUT</i>)	Extreme II - Critically ill patient tissue reperfusion in two body positions and varied timed periods of load. RBWH
Jane Nikles (<i>RECOVER, UQ</i>)	Michele Sterling (<i>UQ</i>), Robyn Tate (<i>Uni of Sydney</i>), Michael Perdices (<i>RNSH</i>), Geoff Mitchell (<i>UQ</i>), Chris Freeman (<i>UQ</i>), James McGree (<i>QUT</i>), Gerben Keijzers (<i>Griffith & Bond University</i>), Meng-Wong Taing (<i>UQ</i>), Tim Ballard (<i>UQ</i>), Mark Cruickshank , Sally Byrne	Personalised treatments for acute Whiplash Injuries: a pilot study
Jerry van de Pol (<i>Orthopaedics, RBWH</i>)	Macy Lu, Marita Prior, Peter Jenvey, Michael Hockey	Randomized Controlled trial comparing Short vs Long graft ACL reconstruction

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

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Karyn Heineger <i>(CNC, RBWH TMS)</i>	Nanette Paxman , Kathy Hocking, Prof Fiona Coyer	Identifying CON tributing factor S to tracheostomy stoma breakdown; A retrospective TRA cheostomy pressure I njury audit in an adult Intensive care unit
Kerina Denny <i>(Gold Coast University Hospital)</i>	Jennifer Paratz , David Paterson <i>(Infectious Diseases)</i> , Jeff Lipman <i>(ICU)</i> , Carl Pretorius <i>(pathology)</i> , Joel Dulhunty <i>(ICU)</i>	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit
Leia Barnes, Renee de Maria <i>(Logan Hospital)</i>	Ian Parker , Tamsin Smith <i>(GCUH)</i>	Balance confidence compared across vestibular conditions
Michael Muller <i>(Burns)</i>	Jennifer Paratz , David Reutens <i>(UQ)</i> , Hana Burianova <i>(UQ)</i> , Joel Dulhunty <i>(ICU)</i>	Burn prevention, an advertising campaign utilizing functional MRI
Michelle Stute <i>(MNHHS)</i>	Peter Buttrum <i>(Allied Health)</i> , Marilyn Banks <i>(Nutrition and Dietetics)</i> , Maree Raymer , Tracey Comans <i>(UQ)</i> , Sonia Sam <i>(Allied Health)</i> , Nicole Moretto <i>(Allied Health)</i> , Marita Bhagwat <i>(Allied Health)</i>	Allied Health Specialist Clinics Project
Olivia Galea <i>(UQ)</i>	Shaun O'Leary	The role of cervical musculoskeletal impairment in concussion
Prue McRae <i>(Internal Medicine Research Unit)</i>	Esther Smits <i>(UQ)</i> , Venerina Johnston <i>(UQ)</i> , Alice Beningfield , Peter Window , Yizhou Wu <i>(UQ Student)</i>	Activity Levels in an Acute Hospital setting: Is behavioural Mapping comparable to Accelerometry?
Rohan Grimley <i>(SCUH)</i>	Brita Hughes	Building efficient and equitable pathways to and through rehab in stroke (BEEPRS)
Sandy Brauer <i>(UQ, SHRS)</i>	Jennifer Paratz	IMproving Physical ACTivity with Treadmill training following stroke: the stroke-IMPACT trial
Sue Berney <i>(Austin Hospital)</i> ,	Jennifer Paratz , Linda Denehy <i>(University of Melbourne)</i> , Dale Needham <i>(John Hopkins University, USA)</i> , Ramona Hopkins <i>(Brigham Young University)</i>	Estim cycle early rehabilitation in ICU: RCT

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Michelle Cottrell , Shaun O'Leary , Maree Raymer , Trevor Russell <i>(UQ)</i> , Annie Hill <i>(UQ)</i> , Tracy Comans <i>(UQ)</i> , Perry Judd	Highly Commended–Health Services and Implementation Research	2019 Metro North Research Excellence Awards
Julie Adsett , Alison Mudge	Best Clinician Research <i>(Cardiorespiratory)</i>	Australian Physiotherapy Conference, Oct 2019
Gemma Allinson	Best presentation <i>(Paediatrics)</i>	Australian Physiotherapy Conference, Oct 2019
Gemma Allinson	Best Poster	European Academy of Childhood Disability 2019
Mark Cruickshank , Perry Judd , Adrienne Pozzi	RBWH Foundation Enabling Implementation Award	AH-TRIP Showcase 2019

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
Amber Jones, Perry Judd , Michelle Cottrell , Anita Plaza , Andrea McKittrick	RBWH Physiotherapy and Occupational Therapy Departments	RBWH OT/PT Led Burns Outpatient Telehealth Service	RBWH Executive	\$140,000	\$136,000	2019-2020
Anita Plaza , Jenny Paratz , Michelle Cottrell	RBWH Physiotherapy Department	The evaluation of a telehealth model for the delivery of Physiotherapy exercise programs for rural and remote patients after burns injury	RBWH Physiotherapy Dept. Funding Round 2018	\$25,000	\$25,000	2018-2019
Emilie Amiss	Physiotherapy Dept, RBWH	Evaluation of a stepping strategy mobile application in cardiopulmonary rehabilitation: a prospective cohort study	QPACT <i>(Queensland Policy and Advisory Committee for new Technology)</i>	\$40,734	\$20,367	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
Leonie Naumann, Jennifer Paratz, Hildegard Reul-Hirche, Michelle Cottrell , Clare Burns, Anna Finnane, Tracy Comans, Trevor Russell, Kirsty Quince	RBWH Physiotherapy and University of Queensland	A telehealth model for education and monitoring of early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: a pilot cohort study	Health Practitioner Research Scheme	\$29,929	\$14,710.71	2018-2019
Leonie Naumann, Jennifer Paratz, Hildegard Reul-Hirche, Michelle Cottrell , Clare Burns, Anna Finnane, Tracy Comans, Trevor Russell, Kirsty Quince	RBWH Physiotherapy and University of Queensland	A telehealth model for education and monitoring of early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: a pilot cohort study	RBWH Foundation Diamond Care Grants 2019	\$12,816	\$9,825	2019-2020
Maree Raymer, Shaun O'Leary , Natalie Collins, Michelle Smith, Liam McLaughlin, Bill Vicenzino, Michelle Cottrell , Kay Crossley, Tracy Comans, Christian Barton, Jo Kemp	Physiotherapy RBWH,	Implementation of GLA:D in Queensland public health services: towards a standardised non-surgical management approach for hip and knee osteoarthritis	RBWH Foundation Research	\$39,910.80	\$39,910.80	2019
Midori Nakagaki <i>(Pharmacy RBWH)</i> , multiple other stakeholders including Leonie Naumann	RBWH Cancer Care Services, RBWH Allied Health; RBWH Pharmacy	Implementation and Evaluation of a Nurse-Allied Health Multidisciplinary Post-Bone Marrow Transplant Clinic	2019 Metro North SEED funding	\$81,150	\$11,813	2019
Nanette Paxman	Katie Acland + QCRPN Tracheostomy Project Team members (state-wide)	State-wide Tracheostomy Survey	DOPSQ Funding Round 2018-19	\$5,000	\$1,500	2018-2019
Peter Thomas	Physiotherapy Dept, RBWH	Physiotherapy Management of Chest Trauma	RBWH Physiotherapy Dept. Funding Round 2018	\$11,730	\$1,230	2018-2019
Peter Thomas, Jennifer Paratz	Physiotherapy RBWH	Ventilator Hyperinflation: Influence of Pressure versus Volume controlled settings to optimise expiratory flow rate bias	Queensland Cardiorespiratory Physiotherapy Network	\$6,834	\$6,834	2018-2019
Prue Butler	Physiotherapy RBWH	Illness Representations and recovery outcomes after traumatic extremity injuries	RBWH Foundation Allied Health top up scholarship	\$8,000	\$8,000	2019-2020
Prue Butler	Physiotherapy RBWH	Illness Representations and recovery outcomes after traumatic extremity injuries	Research Training Program Government Scholarship	\$82,788	\$27,596	2019-2021
Sally Yin, Jennifer Paratz	Physiotherapy Dept, RBWH	Analysing risk factors for readmission to the Geriatric Evaluation and Management (GEM) ward	RBWH Physiotherapy Dept. Funding Round 2018	\$4,284	\$2,124	2018-2019

2019 Research Publications

Journal Articles

- Adsett J**, Morris N, Kuys S, **Paratz J**, Mudge A. Motivators and barriers for participation in aquatic and land-based exercise training programmes for people with stable heart failure: A mixed methods approach. *Heart and Lung*. 2019; 48 (4):287-293
- Adsett J**, Morris N, Mudge A. Impact of exercise training programme attendance and physical activity participation on six minute walk distance in patients with heart failure. *Physiotherapy Theory and Practice* 2019 [Epub ahead of print]. DOI: 10.1080/09593985.2019.1669232
- Adsett J**, Morris N, Mudge A. Predictors of exercise training and physical activity adherence in people recently hospitalised with heart failure: A brief report. *Journal of Cardiopulmonary Rehabilitation and Prevention*. 2019. 39(3):E12-E16. DOI: 10.1097/HCR.0000000000000407
- Baldwin C, Parry S, Kaymabu G, **Paratz J**. Early detection of muscle weakness and functional limitations in the critically ill: a retrospective evaluation of bioimpedance spectroscopy. *J Parent Ent Nutrition*. 2019 Oct 3. doi: 10.1002/jpen.1719. [Epub ahead of print]
- Bissett BM, Wang J, Neeman T, Leditschke IA, Boots R, **Paratz J**. Which ICU patients benefit most from inspiratory muscle training? Retrospective analysis of a randomized trial. *Physiother Theory Pract*. 2019 Feb 9:1-6

Journal Articles (cont)

6. **Cottrell MA, O'Leary P, Raymer M**, Hill AJ, Comans T, Russell TG. Does telerehabilitation result in inferior clinical outcomes compared with in-person care for the management of chronic musculoskeletal spinal conditions in the tertiary hospital setting? A non-randomised pilot clinical trial. 2019 DOI.org/10.1177/1357633X19887265
7. **Cottrell M, Judd P**, Comans T, Easton P, Chang A. Comparing fly-in fly-out and telehealth models for delivering advanced-practice physiotherapy services in regional Queensland: an audit of outcomes and costs. *Journal of Telemedicine and Telecare*. 2019 [E-pub ahead of print]. DOI: 10.1177/1357633X19858036
8. Galea OA, **O'Leary SP**, Treleaven JM. Persistent impairment based symptoms post Mild Traumatic Brain Injury: does a standard symptom scale detect them? *Musculoskeletal Science and Practice*. 2019; 41:15-22. DOI: 10.1016/j.msksp.2019.02.002
9. Gane EM, McPhail SM, Hatton AL, Panizza BJ, **O'Leary SP**. Neck and Shoulder Motor Function following Neck Dissection: A Comparison to Healthy Control Subjects. *Otolaryngology-Head and Neck Surgery*. 2019; 160 (6): 1009-1018. DOI: 10.1177/0194599818821885
10. Jun D, Johnston V, McPhail SM, **O'Leary S**. Are measures of postural behaviour using motion sensors in seated office workers reliable? *Human Factors*. 2019. 61 (7) 1141-1161. DOI:10.1177/0018720818821273
11. Jun, D, **O'Leary S**, McPhail SM, Johnston V. Job strain and psychological distress in office workers: the role of coping for publication. *Work*. 2019; 64(1): 55-65. DOI: 10.3233/PWOR-192968
12. Jun D, Kim JM, **O'Leary S**, Johnston V. Cross-cultural adaptation and validation of the Latack Coping Scale in the general working population in Korea. *Work*. 2019; 63 (3): 325-334. . DOI: 10.3233/WOR-192938
13. Li DE, David B, **O'Leary SP**, Treleaven JM. Higher Variability in Cervical Force Perception in People with Neck Pain. *Musculoskeletal Science and Practice*. 2019; 42:6-12. DOI: 10.1016/j.msksp.2019.04.001
14. Linnane MP, Caruana LR, Tronstad O, Corley A, Spooner AJ, Barnett AG, **Thomas PJ**, Walsh JR (2019): A comparison of the effects of manual hyperinflation and ventilator hyperinflation on restoring end-expiratory lung volume after endotracheal suctioning: A pilot physiologic study. *J Crit Care*. Feb;49:77-83. doi: 10.1016/j.jcrc.2018.10.015
15. **Moretto N**, Comans T, Chang A, **O'Leary S**, Osborne S, Carter H, Smith D, Cavanagh T, Blond D, **Raymer M**. Implementation of simulation modelling to improve service planning in specialist orthopaedic and neurosurgical outpatient services, *Implementation Science* 2019 14:78 <https://doi.org/10.1186/s13012-019-0923-1>
16. O'Connor L, Morris N, **Paratz J**. "Physiological and clinical outcomes associated with use of one-way speaking valves on tracheostomised patients: a systematic review". *Heart Lung*. 2019; 48 (4):356-364
17. **O'Leary SP**, Hoogma C, Solberg OM, Sundberg S, Pedler A, Van Wyk L. Comparative strength and endurance parameters of the craniocervical and cervicothoracic extensors and flexors in females with and without idiopathic neck pain. *Journal of Applied Biomechanics*. 2019; 35 (3):209-215. DOI: 10.1123/jab.2018-0033
18. Parker IG, Hartel G, **Paratz J**, Choy NL, Rahmann A. A Systematic Review of the Reported Proportions of Diagnoses for Dizziness and Vertigo. *Otol Neurotol*. 2019 Jan;40(1):6-15
19. Steele M, Janda M, Vagenas D, Ward L, Cornish B, Box R, Gordon S, Matthews M, Poppitt S, Plank L, Yip W, Rowan A, **Reul-Hirche H**, Obermair A, Hayes S. A bioimpedance spectroscopy-based method for diagnosis of lower-limb lymphoedema. *Lymphatic Research and Biology*. 2019 Sept 5 doi: 10.1089/lrb.2018.0078 [Epub ahead of print]
20. Walsh JR, Pegg J, Yerkovich ST, Morris N, McKeough ZJ, Comans T, **Paratz JD**, Chambers DC. Longevity of pulmonary rehabilitation benefit for chronic obstructive pulmonary disease — health care utilisation in the subsequent 2 years. *BMJ Open Res* 2019;6:e000500. doi:10.1136/bmjresp-2019-000500.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Oral Presentations:

1. **Adsett J**, Mudge A (2019). Exercise participation in frail and non frail heart failure patients: Results from EJECTION HF. Oral presentation. Australian Physiotherapy Association National Conference. 17th October
2. **Allinson, G**, Dewar, R, Raatz, B, Hannah, S & Johnston, L (2019) Postural control predicts gross motor coordination in primary school children with and without coordination difficulties. Australian Physiotherapy Association National Conference. October 2019
3. **Allinson, G**, Dewar, R, Raatz, B, Hannah, S & Johnston, L (2019) Postural control predicts gross motor coordination in primary school children with and without coordination difficulties. World Confederation of Physical Therapy Congress (2019)
4. Raatz, B, Dewar, R, **Allinson, G**, Hannah, S & Johnston, L (2019) Reproducibility of the timed up and go (TUG) standard and dual task in school-aged children with and without coordination difficulties. World Confederation of Physical Therapy Congress (2019)
5. **Cruickshank M, Sam S**, Nissen L (2019) An evaluation of physiotherapist independent prescribing in Queensland. Oral Presentation. National Allied Health Conference. 6 Aug 2019
6. **Cruickshank M, Sam S**, Nissen L (2019) An evaluation of autonomous non-medical prescribing by physiotherapists in Queensland emergency departments. Oral Presentation. Australian Physiotherapy Association National Conference. 18th October 2019
7. Comans T, **Moretto N**, **Raymer M**, Chang A, **O'Leary S**, Osborne S, Carter H, Smith D, Cavanagh T, Blond D. Health service planning for the future: Using simulation modelling to bridge the gap in overburdened specialist outpatient service planning. International Health Economics Association Congress, Basel, July 2019
8. **Plaza A, Ault P, Macfie M, Mulliss B, Sharpe C, Alexander J, Jackson C, Weber J Anderson C, Allinson G, Cottrell M** (2019) Movement and Mobility protocols after Surgical Management of Burn Injuries: An audit of current practice at the Royal Brisbane and Women's Hospital. Australian and New Zealand Burns Association Annual Scientific Meeting. 17 October 2019
9. **Plaza, A, Paratz, J, Cottrell, M** (2019) Evaluating the effectiveness of a home-based telerehabilitation model for the delivery of physiotherapy exercise programs following burn injury. Australian and New Zealand Burns Association Annual Scientific Meeting. 17 October 2019

Oral Presentations (cont)

10. **Raymer M, Moretto N, Comans T, O'Leary S, Chang A, Standfield L, Carter H, Osborne S.** Advanced Musculoskeletal Physiotherapist and Surgeon led care in Orthopaedics and Neurosurgery outpatient services: what's the right professional mix? World Congress of Physical Therapy, Geneva May 2019
11. **Raymer M, Mitchell L, Comans, T, Window P, O'Leary S.** Exploring variation in outcomes between advanced practice physiotherapy screening clinics in Queensland. National Allied Health Conference, Brisbane, August 2019
12. **Wellington L, Swete Kelly P, Raymer M.** Early career workforce development for Advanced Musculoskeletal Physiotherapy (AMP) roles, National Allied Health Conference, Brisbane, August 2019
13. **Wellington L, Swete Kelly P, Raymer M.** Elements of a common early career pathway toward advanced musculoskeletal physiotherapy roles, Australian Physiotherapy Association national conference, Adelaide October 2019.

Poster Presentations

1. **Allinson, G, Dewar, R, Raatz, B, Hannah, S & Johnston, L (2019).** Postural control predicts gross motor coordination in primary school children with and without coordination difficulties. International Society of Posture & Gait Research
2. **Allinson, G, Dewar, R, Raatz, B, Hannah, S & Johnston, L (2019).** Postural control predicts gross motor coordination in primary school children with and without coordination difficulties. 13th International Conference on Developmental Coordination Disorder
3. **Allinson, G, Dewar, R, Raatz, B, Hannah, S & Johnston, L (2019).** Postural control predicts gross motor coordination in primary school children with and without coordination difficulties. European Academy of Childhood Disability
4. **Raatz, B, Dewar, R, Allinson, G, Hannah, S & Johnston, L (2019).** Reproducibility of the timed up and go (TUG) standard and dual task in school-aged children with and without coordination difficulties. International Society of Posture & Gait Research
5. **Raatz, B, Dewar, R, Allinson, G, Hannah, S & Johnston, L (2019).** Reproducibility of the timed up and go (TUG) standard and dual task in school-aged children with and without coordination difficulties. 13th International Conference on Developmental Coordination Disorder (2019)
6. **Raatz, B, Dewar, R, Allinson, G, Hannah, S & Johnston, L (2019).** Reproducibility of the timed up and go (TUG) standard and dual task in school-aged children with and without coordination difficulties. European Academy of Childhood Disability.

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

Name	Name of Project	Completed Date	Affiliated University/ies
Julie Adsett	Exercise rehabilitation for people with heart failure	May 2019	Griffith University

RBWH Physiotherapy Research Team



DEPARTMENT OF PSYCHOLOGY

In 2019, the RBWH psychology department focused on university collaborations and the continuation of clinical research, evaluation, and dissemination. Highlights have included the successful attainment of a Metro North Collaborative Research Grant with Griffith University, and LINK/SEED Innovation Funding with the University of Queensland.

Research in 2019 has covered a wide range of specialty areas, including projects in neurology, geriatric rehab, general rehab, orthopaedics, stroke, epilepsy, multidisciplinary pain, renal medicine, neonatology, and staff health. A novel intervention for older adults with cognitive impairment which involves music and singing was implemented and evaluated, with the results leading to further research. Several exciting projects have also started which have focused on the use of digital resources and investigating their impact on outcomes for patients. It is envisaged that 2020 will see further development of productive research collaborations both with our university partners, but also with state and national government and non-government organisations and stakeholders.

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>
Jenna Scambler	DPsych <i>(Clin and Neuro)</i> , University of Queensland <i>(2017-2021)</i>	The effects of Temporal Lobectomy on Electrical Brain Potentials in Response to Emotional Stimuli	Alan Pegna, Kate Thompson

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	Funding Source <i>(operational/external/in-kind)</i>	Research Program	Affiliated University/ies
Ada Lo	Adjunct Senior Lecturer	In-kind	School of Psychology	University of Queensland
Angela White	Adjunct Industry Fellow	In-kind	School of Psychology	Queensland University of Technology
	Clinical Consultant			
	Adjunct Assoc. Prof.			University of Queensland
Drew Craker	Adjunct Senior Lecturer	In-kind	School of Psychology	University of Queensland
Elisabeth Hamernik	Honorary Fellow	In-kind	School of Psychology	University of Queensland
Kate Thompson	Adjunct Senior Lecturer	In-kind	School of Psychology	University of Queensland
Mala McHale	Adjunct Senior Lecturer	In-kind	School of Psychology	University of Queensland
Maree Grier	Adjunct Lecturer	In-kind	School of Psychology	University of Queensland
Rosemary Argall	Adjunct Associate	In-kind	School of Psychology	University of Queensland
Stephanie Lawton	Adjunct Fellow	In-kind	UQ Centre for Clinical Research	University of Queensland

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

Name	Position	Research Program	Affiliated University/ies
Bonnie Clough	Honorary Research Fellow	RBWH JMB – Department of Psychology	Griffith University (2017-current)
Harriet Bodimeade	Adjunct Research Fellow	School of Human Services and Social Work	Griffith University (2016-current)

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
Ada Lo	Kate Thompson, Elisabeth Hamernik, Angela White	Evaluation of neuropsychology service for acute stroke patients-clot retrieval
Ada Lo	Harriet Bodimeade , Stephanie Jessup (<i>SW</i>)	Validating anxiety and mood screening tools in stroke patients
Emmaline Falconer	Hannah McGlashan, Sharpley Hsieh, Angela White	Enhancing Neuropsychological and Cognitive Rehabilitation Using Innovative Digital Resources in a Public Hospital Subacute Rehabilitation Service
Genesta Nicolson	Angela White , Angela Chang (<i>CAHR</i>)	A stitch in time: Evaluation of the impact and efficacy of an MDT psychoeducation workshop for non-urgent referrals on the PTCMPC waitlist
Rosemary Argall	Genevieve Dingle, Sharpley Hsieh, Robert Davidson, Kelly Bower, Avanka Wickramanayaka	Group Singing in the Geriatric Evaluation and Management (GEM) Unit
Vanessa Whitehead and Rosemary Argall	Angela White , Nancy Pachana (<i>UQ</i>)	Understanding anxiety in geriatric inpatients
Scott Ruddell	Bonnie Clough (<i>GU</i>), Angela White, Tamara Ownsworth , Leanne Casey (<i>GU</i>), Mala McHale, Andrew Craker	Improving Outcomes of Videoconference Psychotherapy for Patients with Chronic Spinal Pain-The Impact of Illness Beliefs

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Ashleigh Scott (<i>RBWH</i>), Glen Kennedy (<i>RBWH</i>), Katie McMahon (<i>RBWH</i>), Olivier Salvado (<i>CSIRO</i>)	Ada Lo, Kate Thompson	MINERAL: Magnetic Resonance Imaging and Quantitative susceptibility mapping (MRI-QSM) of brain iron to identify chemotherapy-associated neurocognitive impairment (CAN) in Acute Myeloid Leukemia (AML)
David Kavanaugh, Heidi Sturk, Samantha Wild (<i>QUT</i>)	Angela White	Australian Health Professional Referral Rates to Digital Mental Health services and programs: A cross sectional study
Haryana Dhillion (<i>University of Sydney</i>), Joanne Shaw (<i>University of Sydney</i>), David Kissane (<i>Monash University</i>), Danette Langbecker (<i>University of Queensland</i>), Kim Hobbs (<i>Westmead Hospital</i>), Laura Kirsten (<i>Nepean Cancer Care Centre</i>), Lisa Beatty (<i>Flinders Centre for Innovation in Cancer</i>), Lisa Vaccaro (<i>University of Sydney</i>), Carrie Lethborg (<i>St Vincent's Hospital, Melbourne</i>)	Maree Grier	Adjustment Working Group for the PoCoG Transforming Psychosocial Care of Patients in Australia: Implementation of a Comprehensive Training and Service Delivery Program
Hilary Jimmieson (<i>Nutrition and Dietetics</i>)	Belinda Mason (<i>Nutrition and Dietetics</i>), Adrienne Young (<i>Nutrition and Dietetics</i>), Lynda Ross (<i>Nutrition and Dietetics</i>), Adrian Kark, Riley O'Donohue	New Group Model of Care for low salt dietary education for Chronic Kidney Disease patients
Jenna Scambler (<i>UQ</i>), Alan Pegna (<i>UQ</i>)	Kate Thompson	The effects of temporal lobectomy on electrical brain potential in response to emotional stimuli

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

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Kate McCarthy <i>(RBWH)</i> , Majed Almarzooqi <i>(UQ, School of Med)</i> , Anna Hickling <i>(UQ, School of Psychology)</i>	Angela White	Defining patients concerns in Outpatient Parenteral Antibiotic Therapy (OPAT) settings
Lee Reid <i>(Australian e-health Research Centre)</i> , Jurgen Fripp <i>(Australian e-health Research Centre)</i> , Stephen Rose <i>(Australian e-health Research Centre)</i> , Marita Prior <i>(RBWH)</i> , Rosalind Jeffree <i>(RBWH)</i> , David Walker <i>(Wesley Hospital)</i> , Hamish Alexander <i>(RBWH)</i> , Parnesh Raniga <i>(RBWH)</i> , Julie Trinder <i>(RBWH)</i>	Ada Lo, Kate Thompson	Predicting Surgery-induced Neurological Deficits using CONSULT. A study to measure the ability of CONSULT tractography software to predict surgery-induced neurological deficits
Louise Cullen <i>(DEM)</i> , Carol Jeffreys <i>(DEM)</i> , Caitlin Lock <i>(DEM)</i> , Emily Brownhill <i>(DEM)</i>	Andrew Craker	Wellness training for nurses in the Emergency Department
Maryam Ziaei <i>(UQ)</i> , David Reutens <i>(UQ and RBWH Neurology)</i>	Kate Thompson	Social-cognitive functioning among patients with epilepsy
Tim Donovan <i>(GSNU)</i> , Barbara Lingwood <i>(UQCCR)</i> , Yvonne Eiby <i>(UQCCR)</i> , Gill Lack <i>(GSNU)</i> , Ian Wright <i>(Uni Woollongong)</i> , Paul Colditz <i>(UQCCR)</i> , Katie Foxcroft <i>(Perinatal Research Centre)</i>	Stephanie Lawton	Preterm Early Adiposity and Childhood Outcome (PEACH Study)
Peter Window, Miriam Dillon, Perry Judd <i>(RBWH Physiotherapy)</i> , Mary-Rita Lane <i>(RBWH OT)</i>	Scott Ruddell, Anna Salzgeber	OnTRACC – Optimising Treatment Adherence in Chronic spinal Conditions

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
Andrew Craker, and Angela White	Psychology	Wellbeing to your Door: The implementation of a mobile psychoeducation support service for staff and consumers	RBWH Capital Funding for Research and Training Equipment 2018	\$7,344	\$7,344	2018-2020
Elizabeth Torbey, Emmaline Falconer	Psychology	Enhancing Neuropsychological and Cognitive Rehabilitation Using Innovative Digital Resources in a Public Hospital Subacute Rehabilitation Service	CAHRLI Innovation/ Translation Challenge 2018	\$5,000	\$5,000	2019

2019 Research Publications

Journal Articles

1. Forbes, Y. and Donovan, C. (2019). The Role of Internalised Weight Stigma and Self-Compassion in the Psychological Well-Being of Overweight and Obese Women. *Australian Psychologist*. DOI:10.1111/ap.12407.

DEPARTMENT OF REHABILITATION ENGINEERING, ORTHOTICS & PROSTHETICS

In 2019, the Rehabilitation Engineering and Orthotics and Prosthetics department continued to develop links with partners to improve enhance research opportunities including closer links with the allied health professions service line research coordination team.

The Orthotic and Prosthetic team has focused research efforts on practices in spinal fracture management, the implementation of technology to enhance foot orthotic delivery, and the review of outcomes when using a variety of orthotic lower-limb devices. A poster on the spinal management protocols was accepted and presented at the International Society of Orthotics and Prosthetics, World Congress in Kobe Japan during October.

Rehabilitation Engineering partnered with teams from the Brisbane Spinal Research Group and with the Bio fabrication Institute to develop grant applications for Metro North Collaborative Research Grants Scheme and through the Jamieson Trauma Institute (JTI). Both projects build upon previous years of work investigating the introduction of advanced imaging and fabrication methodologies into the field of assistive technology provision. The JTI submission was successful and the project will begin in early 2020. Work has also continued evaluating current data that may lead to better outcome measurement in custom assistive device supply.

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
Peter Slattery	Adjunct Associate Professor	1 hr/wk	In-kind	Science and Engineering Faculty	Queensland University of Technology
Brian Delaney	Adjunct Senior Lecturer	1 hr/wk	In-kind	Health, Nursing and Sport Science Faculty (O&P)	University of the Sunshine Coast

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
Stephanie Fountain	Oliver Mason, Peter Slattery, Angela Chang (<i>AHP Research</i>), Adrienne Young (<i>AHP Research</i>)	Outcome Measurement in Rehabilitation Engineering
Brian Delaney	Andrew MacDonald, Helen McDonald, Peter Slattery, Angela Chang (<i>AHP Research</i>), Adrienne Young (<i>AHP Research</i>)	Orthotic insole management for the prevention of foot ulcers in at risk diabetic patients
Yuta Arai	Steven Walker, Brian Delaney , Jessica Angus, Kylie Matthews (<i>AHP Research</i>)	Retrospective cohort study comparing three halo management protocols and the incidence of adverse events
Peter Slattery	Oliver Mason, Kristen Morris (<i>MASS</i>), Sean Powell (<i>QUT</i>), David Forrestal (<i>QUT</i>), Shailendra Maharaj (<i>QCH</i>), Carey Bayliss (<i>PAH</i>), Paige Little (<i>QUT</i>)	Personalised 3D printed reactive cushions for pressure wound management

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Gunther Paul <i>(James Cook University)</i>	Peter Slattery	Seating cushion design simulation

2019 Conference Presentations – Invited Speaker, Oral and Poster

Poster Presentations

1. **Arai Y, Walker S, Delaney B, Angus J, McDonald H, Matthews K.** An audit to determine the rate of adverse events in patients fitted with a HALO orthosis at the RBWH Orthotics department between November 2003 and April 2019 – International Society of Prosthetics and Orthotics 2019, October, Japan
2. Bayliss C, **Mason O.** “Horsing Around” 2019 Australian & New Zealand Spinal Cord Society Annual Scientific Meeting (ANZSCoS), Melbourne August 2019



Oliver Mason,
Team Leader Rehabilitation Engineering

DEPARTMENT OF SOCIAL WORK

The Social Work Department's research activities are underpinned by a commitment to addressing the adverse social and environmental conditions that impact the health and wellbeing of patients and their families. In 2018 we commenced work on an elder abuse project in recognition that the maltreatment of older people is under-recognised and under-reported in hospitals. This year the project team was successful in securing a SEED Innovation grant to develop an integrated model of care to address the safety needs of vulnerable older patients, due for commencement in 2020. The timeliness of this initiative is underscored by the recent adverse findings from the recent Royal Commission into Aged Care.

Another initiative is a collaboration with Griffith University and Women's and Newborn Services to promote men-inclusive maternity services, which entails investigating the experiences and needs of men as fathers. Preliminary findings from this study were presented at the National Allied Health Conference in August.

Other notable achievements include the recent graduation of Anne De Ruiter, social work team leader, from QUT's Graduate Certificate in Health Science (Health Services Innovation). Anne is a member of the first cohort of MNHHS staff to graduate from this program and her project on a Preadmission Social Work Model of Care is now in its implementation phase.

The Social Work Department increased its number of peer-reviewed publications in 2019, with journal articles featuring in both national and international journals including the British Medical Journal. Staff also showcased their research at local and national conferences, including the Kidney Supportive Care Symposium, the Renal Society of Australasia Annual Conference, the Oncology Social Work Australia Conference, and the Australian and New Zealand Social Work and Welfare Education and Research Conference.

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>
Mithila Karmaker	PhD, UQ (2017-2019)	The housing pathways of Bangladeshi immigrants during the process of settling in Australia	Gai Harrison , Jill Wilson

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
Angela O'Malia	Adjunct Senior Lecturer	4 hrs/mnth	In-kind	School of Nursing, Midwifery and Social Work	UQ
Gai Harrison	Honorary Senior Lecturer	4 hrs/mnth	In-kind	School of Nursing, Midwifery and Social Work	UQ

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
Amanda Masters	Anne De Ruiter, Gai Harrison, Sandy Jamieson (<i>Nursing</i>)	Developing a model of care to address elder abuse at RBWH
Anne de Ruiter		Implementation of Preadmission Social Work Model of Care: Context assessment and evaluation of service outcomes, including patient satisfaction
James Ready	Alex Markwell (<i>ETC</i>)	Staff Debriefing in the Emergency and Trauma Centre: Using Debriefing as a tool to promote wellbeing, reflection and learning
Kristy Fitzgerald, Gai Harrison	Leonie Callaway (<i>Women's and Newborn Services</i>), Patrick O'Leary (<i>Griffith University</i>), Alka Kathari (<i>Redcliffe Hospital</i>)	Promoting men-inclusive maternity services: Exploring the expectations, experiences and needs of men as fathers
Mary Brown, Gai Harrison		Evaluation of the Sexual Assault Response Team (SART) Service

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Adrienne Young (<i>Nutrition and Dietetics, RBWH</i>)	Carrie-Anne Lewis (<i>Nutrition and Dietetics</i>), Gai Harrison , Claire Dux (<i>Nutrition and Dietetics</i>), Rachana Naidu (<i>Nutrition and Dietetics</i>), Rajeswari Badwa (<i>Nutrition and Dietetics</i>), Jessie Fry (<i>Nutrition and Dietetics</i>), Lilliana Botero (<i>Nutrition and Dietetics</i>), Merrilyn Banks (<i>Nutrition and Dietetics</i>)	Exploring the roles and values of dietetic assistants at RBWH
Thomas Torpie (<i>GCUH</i>)	James Ready , James Hughes (<i>Nursing</i>)	Domestic and Family Violence Screening in the Emergency Department: Who's doing it? How are they doing it? How often?

2019 Research Publications

Journal Articles

- Osborne S, **Harrison G, O'Malia A**, Barnett A, Carter H, Graves N. Cohort study of a specialist social worker intervention on hospital use for patients at risk of long stay. *BMJ Open*. 2018; 8(12): 1-6. Doi:10.1136/bmjopen-2018-023127
- Harrison G, O'Malia A, Napier S**. Addressing psychosocial barriers to hospital discharge: A social work led model of care. *Australian Social Work*. 2019; 7(3): 366-374
- Davidson D, **Harrison G**. "Leaning in" and "Leaning back": Exploring the spatiality of telephone counselling. *Health and Place*. 2019; 58. Doi.org/10.1016/j.healthplace.2019.102158
- Lewis G, Fox S**. Between theory and therapy: Grief and loss skills-based training for hospital social workers [online]. *Advances in Social Work and Welfare Education*, 2019; 21(1): 110-114.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Oral Presentations

- Fitzgerald K, Harrison, G**. Promoting men-inclusive maternity services at Royal Brisbane & Women's Hospital. National Allied Health Conference, Brisbane, Australia, 6th August, 2019
- Hudson, E**. Making student placements within small teams sustainable – Developing and implementing a structured student-centred learning programme. Australian New Zealand Social Work and Welfare Education Research symposium Oct 3, 2019
- Irwin-Hobbs T and Brennan, J**. The 5C Group – Building connections between patients and carers on the ward: Social Work-facilitated group work in Haematology and Bone Marrow Transplant. Oncology Social Work Australia Conference, Hobart, Australia, 21-22 Nov, 2019
- Kirby, J** Psychosocial factors and the value of social work in a kidney supportive care multidisciplinary team, Renal Society of Australasia Annual Conference, Auckland, New Zealand, 28th June 2019.

Poster Presentations

- Kirby J**, Purtell L, Bonner A, Berquier I, Austin L, Healy H. Are we wasting your time? Improving time efficiency for patients and families attending a kidney supportive care program. Renal Society of Australasia Annual Conference, Auckland, New Zealand, 28th June 2019.

DEPARTMENT OF SPEECH PATHOLOGY & AUDIOLOGY

The Speech Pathology Department and Audiology Department research programs have continued to grow in 2019. The Speech Pathology research program encompasses the clinical service areas of cancer care, acute and critical care as well as neurorehabilitation. The Audiology research program is currently focused on the areas of cochlear implants and tinnitus. The research programs across the two departments aim to embed research into core clinical services and ensure translation of research into practice. We have continued to grow our collaborations with ongoing successful partnerships with UQCCR, UQ School of Health and Rehabilitation Sciences, RECOVER Injury Research Group and QUT. An exciting development in late 2019 was the announcement of the establishment of the Queensland Aphasia Rehabilitation Centre which will be a key clinical research centre in the STARS development. This clinical research partnership with UQ and philanthropic partners is a unique opportunity to embed research within new models of care for treating post-stroke aphasia.

Key Outcomes and Achievements:

SPEECH PATHOLOGY DEPARTMENT

The Speech Pathology department had a successful year of research outcomes with several of our team receiving international and national awards in 2019. We are particularly proud of the achievements of Dr Clare Burns (Advanced Speech Pathologist and Metro North Clinician Research Fellow) who had a very productive first year of her MN Clinician Research Fellowship. In 2019, Dr Burns pioneered research into new telepractice models of care whilst mentoring clinician researchers across MNHHS. Our team continued to receive international recognition with Leisa Turkington receiving the Springer International Publishing Award at the Dysphagia Research Society in San Diego, USA while Laura Moroney was awarded first prize from the national Speech Pathology Australia conference for best PhD Student Oral presentation. Furthermore, Shana Taubert was awarded the Excellence in Education and Learning Award at the CAHRLI Symposium. The impact of our team's research on a statewide level was recognised with Clare Burns, Leisa Turkington, Shana Taubert, and Laura Moroney each receiving awards for excellence from the Queensland Health Speech Pathology Advisory Committee Forum. Another highlight of the year was the successful PhD submissions for Leisa Turkington and Laura Moroney in September. The department is grateful for the generous support from the RBWH Foundation to support our clinicians undertaking research higher degrees with Penni Burfein, Shana Taubert and Laura Moroney receiving post-graduate scholarships in 2019. Another outstanding achievement in 2019 was the announcement that Nadia de Silva was a recipient of a Churchill Fellowship to travel to the USA and Europe to advance the management of communication in patients undergoing awake craniotomy.

AUDIOLOGY DEPARTMENT

The Audiology Department continued to deliver innovative clinical services and undertake research in important areas in 2019. A key achievement was Alice Pender commencing her PhD investigating hearing loss and middle ear dysfunction in an adult Indigenous Australian population.

The Speech Pathology Department and the Audiology Department have a clear vision to build research programs which translate into benefits for our consumers and we are committed to researching new models of service provision and clinical innovation.

RBWH Speech Pathology Research Team



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>
Alice Pender	PhD, UQ (2019-2024)	Rates and effects of hearing loss and middle ear dysfunction in an adult Indigenous Australian population	Deborah Askew, Wayne Wilson, Philip Schluter, Roxanne Bainbridge
Ellie Minchell	PhD, UQ (2018-2021)	Dysphagia outcomes post clot retrieval and thrombolysis	Anna Rumbach, Emma Finch
Jasmine Foley	PhD, UQ (2018-2021)	Understanding the Regional and Remote Head and Neck Cancer (HNC) Patient Services Journey	Liz Ward, Clare Burns , Rebecca Nund
Laura Moroney	PhD, UQ (2015-2019)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy	Liz Ward, Jane Crombie , Clare Burns
Leisa Turkington	PhD, UQ (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, Anna Farrell
Penni Burfein	MPhil, UQ (2019-2023)	Return to work for survivors with Aphasia	David Copland, Tracy Roxbury
Sarah Wilson	MPhil, UQ (2018-2022)	Assessment of dysphagia following laryngectomy	Bena Cartmill, Clare Burns
Shana Taubert	PhD, UQ (2016-2020)	Videofluoroscopic Swallow Studies: Education and training approaches	Liz Ward, Clare Burns

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	Funding Source <i>(operational/external/in-kind)</i>	Research Program	Affiliated University/ies
Alice Pender	Honorary Associate Lecturer	In-kind	Division of Audiology, School of Health and Rehabilitation Sciences	University of Queensland
Anna Farrell	Honorary Lecturer	In-kind	Division of Speech Pathology, School of Health and Rehabilitation Sciences	University of Queensland
Carla Rose	Honorary Associate Lecturer	In-kind	Division of Audiology, School of Health and Rehabilitation Sciences	University of Queensland
Clare Burns	Honorary Lecturer	In-kind	Division of Speech Pathology, School of Health and Rehabilitation Sciences	University of Queensland

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

Name	Position	Research Program	Affiliated University/ies
Bonnie Cheng	Honorary Research Position	Predicting and Promoting Sub-acute Aphasia Recovery	University of Queensland (2018-2019)
Jane Watts	Honorary Research Position	Predicting and Promoting Sub-acute Aphasia Recovery	University of Queensland (2018-2019)
Lisa Anemaat	Honorary Research Position	Predicting and Promoting Sub-acute Aphasia Recovery	University of Queensland (2018-2019)

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
Alexia Rohde	Linda Worrall (UQ), Erin Godecke (Edith Cowan), Robyn O'Halloran (La Trobe), Anna Farrell, Penni Burfein, Andrew Wong (Stroke), Genevieve Skinner (Stroke)	Evidence-based identification of aphasia using a rational clinical examination approach
Alice Pender	Carla Rose , Angela Chang (Centre for Allied Health Research), Tracy Comans (UQ)	Patient outcomes following cochlear implant surgery
Alice Pender	Deborah Askew (UQ, RBWH), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute)	Self-reported hearing loss and follow-up care of Aboriginal and Torres Strait Islander adults in an urban setting
Anna Farrell	Anna Rumbach (UQ), Stacey Verner-Wren (TPCH), Rebecca Nund (UQ), Nerina Scarinci (UQ), Nicole Hutchinson (Neurology), Robert Henderson (Neurology), Pamela McCombe (Neurology)	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations
Anna Farrell	Lisa Hall (UQ), Lynell Bassett	Implementation of Speech Pathology stroke guidelines
Belinda Lehn, Sarah Wilson	Clare Burns, Ann-Louise Spurgin , Robert Hodge (ENT), Martin Batstone (MaxFacs)	Evaluation of speech and swallowing outcomes following total laryngectomy and pharyngolaryngectomy
Carla Rose	Lynell Bassett , Sharon Kelly (ENT)	Evaluation of the First Contact Audiology Clinics
Clare Burns	Liz Ward (CFAHR; UQ), Annie Hill (UQ), Lynell Bassett , Liz Kenny – Cancer Care (CC), Karen Malcolm- Sunshine Coast University Hospital (SCUH), Rebecca Hicks, Jenni-Lee Rees	Health service evaluation of two Speech Pathology models of care providing support to Head and Neck, Cancer patients living in regional sites within Queensland Health
Clare Burns	Liz Ward (CFAHR; UQ), Annie Hill (UQ), Ben Keir (Medical Physics), Sharon Kelly (ENT), Linda Porter (Medical Imaging), Nick Phillips (Medical Imaging)	Conducting instrumental assessments of adult dysphagia via telehealth
Clare Burns	Liz Ward (CFAHR; UQ), Robyn Saxon (Sunshine Coast HHS), Brooke Cowie (Metro North HHS), Amy Gray (Wide Bay HHS), Lisa Baker (Wide Bay HHS), Natalie Winter (Cairns and Hinterland HHS), Sarah Bignell (South West HHS)	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia
Clare Burns	Liz Ward (CFAHR; UQ), Jasmine Foley (UQ), Rebecca Nund (UQ), Laurelie Wall (MSHHS), Maurice Stevens (RBWH), Lizbeth Kenny (RBWH)	Understanding the Regional and Remote Head and Neck Cancer (HNC) Patient Services Journey
Clare Burns	Elizabeth Ward (UQ), Claire Blake, Liz Kenny, Rachael Villiers (CQHHS), Mia Hemingbrough, Tracy Comans (UQ), Kerrie-Anne Frakes (CQHHS), Phil Greenup (QH)	Implementation of a telepractice service providing specialist swallowing, nutrition, and communication intervention for patients with head and neck cancer
Clare Burns	Annie Hill (UQ), University of Queensland; Liz Ward (CFAHR; UQ), Lynell Bassett ; Kate Hacking (COH); Michelle Slee (TPCH); Brooke Cowie (Caboolture Hospital); Wendy Luttrell (Redcliffe Hospital)	Examining stakeholder perceptions of an asynchronous telepractice program for the delivery of dysphagia rehabilitation
Jane Crombie, Ann-Louise Spurgin	Liz Ward (CFAHR; UQ), Stephanie Ng (UQ), Teresa Brown (Nutrition and Dietetics), Liz Kenny (CC), Brett Hughes (CC), Lee Tripcony (CC), Jacqueline Wells (CC)	RBWH Swallowing and Nutrition Guidelines for Head and Neck Cancer patients
Laura Moroney	Liz Ward (CFAHR), Jane Crombie, Jennifer Helios, Clare Burns, Ann-Louise Spurgin , Liz Kenny (CC), Brett Hughes (CC), Clare Blake (Nutrition and Dietetics)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy
Leisa Turkington	Liz Ward (CFAHR; UQ), Anna Farrell	Neurogenic dysphagia and sensory enhancement strategies
Lynell Bassett	Jennifer Helios	Evaluation of the First Contact Dysphagia Clinic
Lynell Bassett, Sonia Baker	Rob Boots (Medical-Tracheostomy Management Team), Nanette Paxman (Physiotherapy), Karyn Heiniger (Nursing)	Evaluation of the Tracheostomy Management Team (TMT)
Sarah Heaton	Anna Farrell, Lynell Bassett	Implementation of the Dysphagia Screening Tool
Sarah Heaton, Anna Farrell	Anna Rumbach (UQ) and Katrina Webster (Ipswich Hospital)	Dysphagia outcomes in Subarachnoid Haemorrhage

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
Shana Taubert	Clare Burns	Videofluoroscopic Swallow Study referral processes at RBWH
Shana Taubert and Clare Burns	Liz Ward (CFAHR; UQ), Kellie McCarthy (PAH)	Evaluating an e-Learning program for training in Adult MBS assessment

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Alicja Malicka (UQ supervisor), Anita Burgess (UQ Audiology masters Student)	Carla Rose and Alice Pender	Evaluating the impact of joint Audiology-ENT clinical pathways on outpatient services and efficiencies: A quality assurance project
Amber Jones (OT RBWH), Perry Judd (PT RBWH), Michelle Cottrell (PT RBWH), Anita Plaza (PT RBWH), Andrea McKittrick (OT RBWH), Dr Angela Chang (AHP RBWH), Hannah Carter (QUT)	Clare Burns	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the REAIM approach
David Copland (UQ), Tracy Roxbury (UQ), Katie McMahon (UQ), Greig de Zubicaray (QUT), Marcus Meinzer (UQ)	Penni Burfein, Anna Farrell, Andrew Wong (Stroke)	Predicting and Promoting Sub-Acute Aphasia Recovery
Deborah Theodoros (UQ), Brooke-Mai Whelan (UQ), Louise Cahill (UQ), David Copland (UQ), Alan Coulthard (UQ), Elizabeth Cardell (Griffith), Adam Vogel (University of Melbourne), Stacie Park (ACU), Katie McMahon (HIRF)	Anna Farrell	Be Clear Online: An intensive speech treatment for adults with non-progressive dysarthria
Georgia Thomas (UQ), David Copland (UQ)	Nadia Borgna, Sarah Heaton, Anna Farrell, Lindy Jefree (Neurosurgery)	The use of functional magnetic resonance imaging and MRI diffusion tractography for pre-surgical mapping and investigation of neuroplasticity in adults with a brain tumour
Leonie Naumann, Jennifer Paratz, Hildegard Reul-Hirche, Michelle Cottrell, Clare Burns, Anna Finnane, Tracy Comans, Trevor Russell	Clare Burns	A telehealth model for education and monitoring of early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: A pilot cohort study
Linda Worrall (UQ), David Copland (UQ), Melissa Lawrie (Gold Coast HHS), Liz Ward (UQ), Moya Pattie (Wesley)	Penni Burfein, Anna Farrell	Can a new, intensive model of aphasia rehabilitation achieve better outcomes than usual care?
Liz Ward (Metro South HHS/UQ), Jasmine Jones (UQ), Laurelie Wall (UQ), Rebecca Nund (UQ), Nicky Graham (QH), Wendy Comben (Townsville HH), Emily Missenden (North West HHS)	Clare Burns	Enhancing Speech Pathology Workforce and Service Capabilities to Deliver Services to Patients with Head and Neck Cancer
Salma Charania (TPCH), Anna Rumbach (UQ), Petrea Cornwell (Griffith University & TPCH), Rebecca Nund (UQ)	Anna Farrell, Robert Henderson (Neurology), Nicole Hutchinson (Neurology)	A year in the life: The impact of changes in communication for a person with MND and their family and friends
Theresa Green (RBWH and QUT), Bernd Ploderer (QUT), Tara Hormann (RBWH)	Anna Farrell	An image-based tablet app to support communication of daily activity scheduling between patients with post-stroke aphasia, family and hospital staff

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Clare Burns	Excellence Award in Research/Knowledge Translation	Queensland Health Speech Pathology Advisory Committee (QHSPAC) Annual Forum, 10 th September 2019, Brisbane
Laura Moroney	Excellence Award in Research/Knowledge Translation	Queensland Health Speech Pathology Advisory Committee (QHSPAC) Annual Forum, 10 th September 2019, Brisbane

Research Awards and Achievements *(cont)*

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Laura Moroney , Liz Ward, Clare Burns and Jane Crombie	Best PhD Student Oral Presentation	Speech Pathology Australia Conference, 5 th June 2019, Brisbane
Leisa Turkington	Excellence Award in Research/Knowledge Translation	Queensland Health Speech Pathology Advisory Committee (QHSPAC) Annual Forum, 10 th September 2019, Brisbane
Leisa Turkington , Liz Ward, Anna Farrell	Springer International Publishing Travel Scholarship	Dysphagia Research Society Conference, 7 th March 2019, San Diego, California
Madeline Raatz, Liz Ward, Jeanne Marshall, and Clare Burns	Dysphagia Research Society, 1 st place scientific abstract and poster presentation	Dysphagia Research Society Conference, 7 th March 2019, San Diego, California
Madeline Raatz, Liz Ward, Jeanne Marshall, and Clare Burns	Commendation for Best PhD Student Oral Presentation	Speech Pathology Australia Conference, 5 th June 2019, Brisbane
Shana Taubert	Excellence in Education and Learning Award, CAHRLI	CAHRLI Symposium, 19 th June 2019. Brisbane
Shana Taubert	Excellence Award in Research/Knowledge Translation	Queensland Health Speech Pathology Advisory Committee (QHSPAC) Annual Forum, 10 th September 2019, Brisbane

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
Alice Pender	Audiology	Rates and effects of hearing loss and middle ear dysfunction in an adult Indigenous Australian population	RBWH Foundation Postgraduate Scholarship	\$38,082	\$38,082	2019
Clare Burns	Speech Pathology	Enhancing speech pathology dysphagia services through telepractice	Metro North Clinician Research Fellowships	\$175,000	\$43,000	2019-2022
Laura Moroney	Speech Pathology	Patterns of dysphagia and related toxicity outcomes in head and neck cancer patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy	RBWH Foundation Postgraduate Scholarships	\$38,082	\$38,082	2019
Liz Ward, Clare Burns , Nicky Graham, Rebecca Nund, Laurelie Wall, Jasmine Foley , Wendy Comben, Emily Missenden	Speech Pathology	Enhancing SP outpatient models of care in regional services for patients with Head and Neck Cancer	Health Practitioner Research Scheme	\$95,808	\$28,830	2019-2021
Nadia de Silva , Lindy Jeffree, David Copland	Speech Pathology	Development of an innovative intra-operative language testing battery for patients with brain tumours	RBWH Diamond Care Grant	\$28,203	\$14,101	2019-2020
Penni Burfein	Speech Pathology	Return to work for stroke survivors with aphasia	RBWH Foundation Postgraduate Scholarships	\$38,082	\$38,082	2019
Penni Burfein	Speech Pathology	Translating Comprehensive Aphasia Therapy (CHAT) into practice	AHPOQ Knowledge Translation Bursary	\$1,100	\$1,100	2019
Sarah Wallace, David Copland, Stephen Birch, Anna Farrell , Penni Burfein , Anne Hill, Tanya Rose, Madeline Cruice	Speech Pathology	The health and economic value of a speech pathology student placement delivering technology-enhanced treatment for aphasia.	University of Queensland Health and Behavioural Science Faculty Economic and Health Value of Student Placements Research Grants	\$50,000	\$50,000	2019
Shana Taubert	Speech Pathology	Enhancing practice in videofluoroscopic swallow study assessment	RBWH Foundation Postgraduate Scholarships	\$38,082	\$38,082	2019

2019 Research Publications

Journal Articles

1. **Burns, C. L.,** Ward, E. C., Gray, A., Baker, L., Cowie, B., Winter, N., Turvey, J. (2019). Implementation of speech pathology telepractice services for clinical swallowing assessment: An evaluation of service outcomes, costs and consumer satisfaction. *Journal of Telemedicine and Telecare*, 25(9), 545–551. <https://doi.org/10.1177/1357633X19873248>
2. **Burns, C.L.,** Wishart, L.R., Kularatna, S., Ward, E.C. Knowing the costs of change: An introduction to health economic analyses and considerations for their use in implementation research. *Speech, Language and Hearing*. DOI: 10.1080/2050571X.2019.1693750
3. **Dunn, K.,** & Rumbach, A. (2019). Clinical progression and outcome of individuals with and without swallowing impairment following non-traumatic subarachnoid haemorrhage: A retrospective cohort study. *International Journal of Speech Language Pathology*. doi: 10.1080/17549507.2019.1648552
4. **Heaton, S., Farrell, A., Bassett, L.** (2019). Implementation of dysphagia screening in large tertiary hospital. *International Journal of Communication Disorders*. doi:10.1080/17549507.2019.1597922
5. **Minchell, E.,** Finch, E., Rumbach, A. (2019). The effects of endovascular clot retrieval and thrombolysis on dysphagia: A scoping review. *Journal of Speech, Language and Hearing*. doi: 10.1080/2050571X.2019.1660460
6. **Moroney L,** Ward EC, Helios J, Crombie J, Burns C., Blake C., Comans, T., Kenny L., Chua B., Hughes B. (2019). The RBWH head and neck cancer low risk speech pathology pathway: Evaluation of an alternative supportive care service delivery model. *Supportive Care in Cancer*, doi:10.1007/s00520-019-04992-x
7. Raatz, M., Ward, E. C., Marshall, J., & **Burns, C. L.** (2019). Developing the system architecture for conducting synchronous paediatric feeding assessments via telepractice. *Journal of Telemedicine and Telecare*, 25(9), 552–558. <https://doi.org/10.1177/1357633X19872091>
8. Roxbury, T., McMahon, K., Wong, A., **Burfein, P., Farrell, A.,** Copland, D., **Taubert, S.,** Read, S. (2019). Brain activity during spoken word recognition in subacute aphasia. *Brain and Language*, 195 104630. doi:10.1016/j.bandl.2019.04.004
9. **Turkington, L.,** Ward, E., **Farrell, A.** An investigation of taste intensity, palatability, effervescence and sip volumes of carbonated liquid stimuli for use in videofluoroscopic studies. *American Journal of Speech-Language Pathology*. doi:10.1044/2019_AJSLP-19-0045
10. **Turkington, L.,** Ward, E.C., **Farrell, A.,** Porter, L. and Wall, L. (2019). Impact of carbonation on neurogenic dysphagia and an exploration of the clinical predictors of a response to carbonation. *International Journal of Language and Communication Disorders*, doi:10.1111/1460-6984.12458.

2019 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **Burns, C.** Interdisciplinary Dysphagia Clinical Programs: How do we develop? Dysphagia Research Society. 7th March 2019. San Diego, California
2. **Burns, C.,** Ward, E. Communications from clinic to community using technology & telepractice: Implications for dysphagia practice. Dysphagia Research Society. 7th March 2019. San Diego, California
3. Ward, E, & **Burns, C.** Using technology & telepractice: Implications for dysphagia practice. Speech Pathology Australia Conference. 7th June 2019. Brisbane.

Oral Presentations

1. **Burns, C.** An Evaluation of Service Outcomes, Costs, and Consumer Engagement Following Implementation of a Telepractice Service for Swallowing Assessments. Successes and Failures in Telehealth Conference, 21-23 October 2019, Gold Coast
2. **Moroney, L., Helios, J.,** Ward, E., Crombie, J., **Burns, C.,** Blake, C., Pelecanos, A., Comans, T., Kenny, L., Chua, B., Hughes, B. Outcomes of a new speech pathology service for "low risk" patients receiving radiation for HNC: Is it safe and efficient? Speech Pathology Australia National Conference. 5th June 2019, Brisbane
3. Raatz, M., Ward, E., Marshall, J., **Burns, C.** Development of the system architecture for conducting paediatric feeding assessment via telepractice. Speech Pathology Australia National Conference. 3rd June 2019. Brisbane
4. Ratz, M and **Burns, C.** Development of the System Architecture Required for Conducting Paediatric Feeding Assessments via Telepractice. Successes and Failures in Telehealth Conference, 21-23 October 2019, Gold Coast
5. **Taubert, S.,** Ward, E., **Burns, C.** Implementation and evaluation of speech pathology-led referring process for videofluoroscopic swallow studies. National Allied Health Conference. 5th August 2019, Brisbane
6. **Turkington, L.,** Ward, E., **Farrell, A.** Carbonated fluids: Could preparation and other sensory impacts influence patient performance? Speech Pathology Australia National Conference. 4th June 2019. Brisbane.

Poster Presentations:

1. Copland, D., Roxbury, T., **Minchell, E.** Predicting and Promoting Aphasia Recovery (PAPAR): A randomised controlled trial of aphasia treatment using neuroimaging-based predictors. Speech Pathology Australia National Conference. 5th June 2019, Brisbane
2. **Dunn, K.,** Rumbach, A. Clinical Progression and outcome of swallowing impairment following non-traumatic subarachnoid haemorrhage: A retrospective study. Dysphagia Research Society. 7th March 2019. San Diego, California
3. **Minchell, E.,** Finch, E., Rumbach, A. The effects of thrombolysis and endovascular clot retrieval on dysphagia: A scoping review Speech Pathology Australia National Conference. 5th June 2019, Brisbane

Poster Presentations (cont)

4. Raatz, M., Ward, E., Marshall, J., **Burns, C.** Developing system requirements for paediatric feeding assessments via telepractice. Dysphagia Research Society. 7th March 2019. San Diego, California
5. **Taubert, S.**, Ward, E., **Burns, C.**, **Bassett, L.**, Porter, L., **Burfein, P.** Implementation and Evaluation of speech pathology-led referring process for videofluoroscopic studies. Speech Pathology Australia National Conference. 3rd June 2019. Brisbane
6. **Turkington, L.**, Ward, E., **Farrell, A.** An investigation of taste intensity, palatability, effervescence and sip volumes of carbonated liquid stimuli for use in videofluoroscopic studies. Dysphagia Research Society. 7th March 2019. San Diego, California.

Other communications and outputs:

Staff Member	Details
Carla Rose and Alice Pender	Media release on Channel 7 on 30.7.19 with Minister of Health regarding the recent development of a HEAROS App that guides hearing impaired people through the new environment of sound, following a cochlear implant. https://www.facebook.com/7NEWSBrisbane/videos/449564072565339/
Clare Burns	An update on Speech Pathology intervention in Head and Neck Cancer: Current pathways, practices and considerations. Speech Pathology Australia Live Webinar 31 st January 2019
Clare Burns	Invited lecture on Speech Pathology Telepractice Services to Speech Pathology Department, University of Queensland, 16 th September 2019
Luke de Visser	Publication in Royal College of Speech & Language Therapists Bulletin March (2019). Saving Face: The Collaborative approach that benefits patients with facial muscle weakness. <i>Royal College of Speech and Language Therapists Bulletin</i> , March 2019, p13-14



Health Minister Steven Miles (far right) with Executive Director Allied Health Peter Buttrum (far left) and the RBWH Audiology Team (Alice Pender, Lynell Bassett and Carla Rose)