

2017

# RBWH

RESEARCH REPORT

ALLIED HEALTH

RBWH

*celebrating*

*150*  
*years*

1867-2017



Queensland  
Government

# ALLIED HEALTH PROFESSIONS



**Peter Buttrum**  
Executive Director  
Allied Health

*We have dedicated research positions in most disciplines that provide practical support to clinicians*

The Allied Health Professions (AHP) service line comprises the professions of 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. The professions support RBWH clinical services lines within multiprofessional teams and provide high quality and evidence based services across the continuum of care.

Aligned to the RBWH vision of being a world class academic health centre, Allied Health is committed to the integration of research within clinical care. 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.

The RBWH Allied Health research program is supported by both the RBWH Centre for Allied Health Research and Metro North HHS Collaborative for Allied Health Research, Learning and Innovation (CAHRLI). CAHRLI is a strategic network of allied health clinicians and researchers that formally links research, learning and patient care, capitalising on our existing resources to enhance capacity and output. 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. We have dedicated research positions in most disciplines that provide practical support to clinicians in evaluating their everyday practice resulting in not only improved patient care, but contributing important end user knowledge to the wider academic community. Currently there are 20 of our RBWH Allied Health Partitioners undertaking a research higher degree (RHD) with a further five awarded a CAHRLI pre-RHD scholarship for 2018 and we look forward to them commencing their RHD journey this year.

Our experienced researchers are involved in the supervision of an additional 28 RHD students across multiple universities; many of these students are undertaking vital research that contributes to enhanced service delivery and patient care. We had three clinicians complete their PhD's in 2017, Dr Teresa Brown, Dr Alexia Rohde and Dr Kylie Wall.

The investment has seen continued growth in a number of the Allied Health Research achievements. In 2017, AHP staff were successful in authoring 66 peer reviewed publications and attracting \$666k dollars in external grant funding. Additionally staff presented over 148 presentations or posters at local, national and international conferences. Outstanding achievements include Associate Professor Jennifer Paratz recognised for her ongoing commitment and achievement in research, receiving a Highly Commended Clinical Research Award and our Nutrition and Dietetics Team awarded a Highly Commended (Research Support) in the 2017 Metro North Research Excellence Awards.

---

Dr Clare Burns and Dr Nicole Andrews were awarded RBWH Foundation Patricia Duke Post-Doctoral Fellowships and Dr Susie de Jersey received the RBWH Foundation Royal Alumni Research Encouragement Award. Sarah Anderson was awarded the National Evidence based practice award by the Dietitians Association of Australia and Leisa Turkington received the CAHRLI New Researcher Award. Our Social Work team received a QuARRIES Service Line Award for their Overcoming psychosocial barriers of long-stay patients project.

We are extremely proud of our ongoing commitment to high quality research. We also appreciate and thank the contribution of university partners, 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 the Allied Health staff for their dedicated efforts and achievements in 2017.

# CENTRE FOR ALLIED HEALTH RESEARCH

## RESEARCH HIGHLIGHTS FOR THE PERIOD 01/01/2017 – 31/12/2017

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. A number of higher research degree students, often practicing clinicians are supervised.

Key research activities involving Centre researchers within 2017 have included the cost and clinical evaluation of a number of new models of health care delivery, evaluating clinical outcomes in patients from a wide range of allied health clinical services and examining allied health research activities. The CAHR agenda continues to grow in diversity and impact with a wide range of multidisciplinary health service collaborators and university partners.

## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Ian Parker</b>	PhD Australian Catholic University (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, <b>Tracy Comans</b> , David Goode
<b>Michelle Cottrell</b>	PhD University of Queensland (2015-2019)	Evaluating the impact of a tele-rehabilitation model of care in an orthopaedic physiotherapy-led screening clinic & multidisciplinary service	Trevor Russell, Shaun O'Leary, Anne J Hill, <b>Tracy Comans</b>
Lachlan Standfield	PhD Griffith University Completed Jan 2017	Economic modelling methods for the estimation of resource use, cost-effectiveness and allocative efficiency of health care provision in a capacity constrained health care system	Tracy Comans, Paul Scuffham
Erin Pitt	PhD Griffith University (2013-2018)	Early childhood food consumption and dietary patterns: the influence of socio-economic and demographic factors and the food environment.	<b>Tracy Comans</b> , Cate Cameron
Michelle Pereira	PhD University of Queensland (2014-2017)	A combined workplace-based intervention for non-specific neck pain to reduce the economic burden of health-related productivity losses in office personnel: An employer's perspective	Venerina Johnson, <b>Tracy Comans</b>
Darryn Marks	PhD Griffith University (2014-2017)	Substitution of an orthopaedic surgeon with a physiotherapist in the management of shoulder pain	Leanne Bissett, Paul Scuffham, <b>Tracy Comans</b>
Li Li	PhD Griffith University (2016-2019)	Quality of life measurement for people living with dementia	<b>Tracy Comans</b> , Paul Scuffham, Kim-Huong Nguyen
Miia Rahja	PhD Flinders University (2016-2019)	The role of Occupational Therapists in the management of dementia care in the community	Kate Laver, <b>Tracy Comans</b>

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Alexia Rohde</b>	PhD University of Queensland Degree conferred 6 October 2017	Evidence-based identification of aphasia using a rational clinical examination approach	Linda Worrall, Robyn O'Halloran, Erin Godecke, <b>Anna Farrell</b>
<b>Leisa Turkington</b>	PhD University of Queensland (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, <b>Anna Farrell</b>
Katrina Ridout	PhD Queensland University of Technology (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	<b>Susie de Jersey</b> , Danielle Gallegos Shelley Wilkinson
<b>Carrie-Anne Lewis</b>	PhD University of Queensland (2016-2021)	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	Ingrid Hickman, <b>Susie de Jersey</b> , <b>Emma Osland</b>
Nina Meloncelli	PhD University of Queensland (2016-2019)	Management of gestational diabetes: exploring practices, evidence base and models of care among the multidisciplinary team	<b>Susie de Jersey</b> , Adrian Barnett

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Tracy Comans</b>	Conjoint Fellow	Health Economics and Health services research	Griffith University (2015 – 2017)
<b>Peter Buttrum</b>	Adjunct Associate Professor	School of Health and Rehabilitation Sciences	UQ (2016 to current)
<b>Anna Farrell</b>	Principal Research Fellow	Centre for Allied Health Research	2015-2017
<b>Susan de Jersey</b>	Principal Research Fellow Visiting Research Fellow, and Adjunct Senior Lecturer	Centre for Allied Health Research	2017-2019 Queensland University of Technology (2013 – current) University of Sunshine Coast (2014-current)
<b>Angela Chang</b>	Research Coordinator	Centre for Allied Health Research	2016 to current

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Tracy Comans</b>	Veronika Schoeb, Petrea Cornwell, Louise Gustafsson, Carine Milcent	Discharge planning in public and private hospitals in Hong Kong and Australia: How does it work and how cost-effective is it?
<b>Angela Chang</b>	<b>Anna Farrell</b> , Merylyn Banks (Nutrition and Dietetics), <b>Peter Buttrum (Allied Health)</b>	How much time do allied health clinicians spend undertaking research?

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Anna Farrell</b>	Anna Rumbach, Stacey Verner-Wren, Rebecca Nund, Nerina Scarinci, Nicole Hutchinson, Robert Henderson, Pamela McCombe	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations
<b>Susie de Jersey</b>	A/Prof Leonie Callaway (UQ, WNBS), Dr Lynda Ross (Griffith Uni), Taylor Guthrie (Nutrition and Dietetics), Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Dr Karen New (UQ, Women's and Newborn), Janelle Laws (Women's and Newborn)	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby
<b>Susie de Jersey</b>	A/Prof Leonie Callaway (UQ, WNBS), Taylor Guthrie (Nutrition and Dietetics), Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Dr Karen New (UQ, Women's and Newborn)	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
<b>Susie de Jersey</b>	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), Claire Gardiner (Nutrition and Dietetics), Taylor Guthrie (Nutrition and Dietetics), Hilary Jimmieson (Nutrition and Dietetics)	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
<b>Susie de Jersey</b>	Natasha Lorenzen, Taylor Guthrie (Nutrition and Dietetics)	Gestational Diabetes Service Nutrition Practice Guidelines and Outcomes clinical audit
<b>Angela Chang</b>	Susie de Jersey (CAHR), Anna Farrell (Speech Pathology), Jenny Strong (Occupational Therapy), Adrienne Young (Nutrition and Dietetics), Gai Harrison (Social Work), Jennifer Paratz (Physiotherapy), Peter Buttrum (Allied Health), Marilyn Banks (Nutrition and Dietetics)	Understanding research capacity and outputs in allied health workforce at RBWH

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Michelle Stute (Allied Health, MNHHS)	<b>Peter Buttrum</b> , Merrilyn Banks (Research), Maree Raymer (Physiotherapy), <b>Tracy Comans, Sonia Sam, Nicole Moretto</b> , Marita Plunkett (Allied Health)	Allied Health Specialist Clinics Project
Jennifer Paratz (Physiotherapy)	Rob Boots (Thoracic Medicine), Justin Kenardy (UQ CONROD), Fiona Coyer (RBWH & QUT Nursing), Peter Thomas (Physiotherapy), <b>Tracy Comans</b> , Jack Iwashyna (University of Michigan), Ignacio Martin-Loaches (University of Dublin), Carol Hodgson (Monash University), Bernadette Bissett (Canberra University)	Improving the outcome of sepsis: RCT
Maree Raymer (Physiotherapy)	<b>Angela Chang</b> , Shaun O'Leary (Physiotherapy), Belinda Gavaghan (AHPOQ), Liza-Jane McBride (AHPOQ)	Investigating representation rates to orthopaedic and neurosurgery services in patients discharged from Physiotherapy Screening Clinics in Metro North Hospital and Health Service
Maree Raymer (Physiotherapy)	<b>Nicole Moretto, Angela Chang</b> , Shaun O'Leary (Physiotherapy), Lachlan Standfield (Griffith University), <b>Tracy Comans</b>	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient Services within Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Background data collection)
Maree Raymer (Physiotherapy)	<b>Angela Chang</b> , Shaun O'Leary (Physiotherapy), <b>Nicole Moretto, Tracy Comans</b> , Sonya Osborne (AusHSI), Hannah Carter (AusHSI), Dean Blond (Gold Coast), Tania Cavanagh (Cairns and Hinterland), David Smith (West Moreton)	Implementing simulation modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services in the Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Implementation evaluation)
Maree Raymer (Physiotherapy)	<b>Tracy Comans</b> , Shaun O'Leary (Physiotherapy), Louise Mitchell (Physiotherapy)	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).
Shaun O'Leary (Physiotherapy)	Stephen McPhail (PAH), <b>Tracy Comans</b> , Maree Raymer (Physiotherapy), Asad Khan.	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions
Ally di Bella (Nutrition and Dietetics)	Merrilyn Banks (Nutrition and Dietetics), <b>Tracy Comans</b> , Ingrid Hickman (PAH)	Prevalence and impact of obesity in acute hospital setting
Alice Pender (Audiology)	Carla Rose (Audiology), <b>Angela Chang, Tracy Comans</b>	Patient outcomes following cochlear implant surgery

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Carla Rose (Audiology)	Alice Pender (Audiology), Angela Chang, Tracy Comans	Using telehealth to manage patients following cochlear implant surgery
Sue Laracy	Kristin Kirwan (OT), <b>Angela Chang (CAHR)</b> , Jenny Strong (OT)	Acute surgical business case 7 day service review
Giovanna Tornatore (OT)	Sue Laracy (OT), <b>Angela Chang</b>	Evaluating the impact of a 6-day occupational therapy model of care in an in-patient rehabilitation service
Kaitlyn Spalding (OT)	Kristin Kirwan (OT), <b>Angela Chang</b>	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice
Sarah O'Reilly (OT)	Amber Jones (OT), <b>Angela Chang</b>	Investigating Current Practice in Management of Hypertrophic Burn Scars with Tape
Suzanne McGavin (Nuclear Medicine)	Toni Halligan (Medical Radiation Professionals), Travis Pearson (Nuclear Medicine), <b>Angela Chang</b>	Ultrasound guided radioisotope injections in Lymphoscintigraphy administered by Nuclear Medicine Scientists
Perry Judd (PT)	Paula Easton (Mackay Base Hospital), Michelle Cottrell (PT), <b>Angela Chang</b>	An audit of two methods of service delivery for Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments between RBWH & Mackay Hospital
Alexia Rohde (SP)	Linda Worrall, Erin Godecke, Robyn O'Halloran, <b>Anna Farrell</b> , Penni Burfein, Andrew Wong, Genevieve Skinner	Evidence-based identification of aphasia using a rational clinical examination approach
Leisa Turkington (SP)	Prof Liz Ward, <b>Anna Farrell</b>	Neurogenic dysphagia and sensory enhancement strategies
Nina Melloncelli (SCHHS, QUT)	<b>Susie de Jersey</b> , Adrian Barnett (QUT)	Gestational diabetes mellitus: Examining diversity in practices, impact of clinical guidelines and the implementation of a nutrition-led model of care
Jane Musial (Nutrition and Dietetics)	Mary Hannan-Jones (Nutrition and Dietetics), Adrienne Young (Nutrition and Dietetics), <b>Susie de Jersey</b> , Bonnie Lau, Robbie Mullins	Evaluation of combined QUT-RBWH diabetes clinic - patient and service outcomes
Hilary Jimmieson (Nutrition and Dietetics)	Clare Byrne, <b>Susie de Jersey</b>	Evaluation of the New Beginnings program
Carrie-Anne Lewis (Nutrition and Dietetics)	Ingrid Hickman (PAH), <b>Susan de Jersey</b> , Emma Osland, Siobhan Wallin, Lindsay Web (PAH), George Hopkins (Surgery), Blair Bowden (Surgery), Benjamin Dodd (Surgery), Viral Chikani (Endocrinology), Anthony Cheng (Surgery), Chung Kwun Won (Surgery), Kath Bradley (Surgery), Lara Maidment (Endocrinology)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population



COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Claire Dux (Nutrition and Dietetics)	<b>Susie de Jersey</b> , Emma Osland, Sandra Heyadon (Surgery), Lindy Jeffree (Surgery)	Evaluation of the Transition Feeding Pathway on the Neurosurgery Ward
Maree Raymer	Patrick Swete Kelly (Physiotherapy), Tina Souvlis (Physiotherapy), <b>Angela Chang</b>	Consultation process to facilitate the development and trial of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Maree Raymer, Tracy Comans, Shaun O'Leary, <b>Angela Chang</b> , Lachlan Standfield, Dean Blond, Tania Cavanagh, David Smith.	RBWH Physiotherapy and OPSC and MDS	AusHSI Implementation Grant \$150 000	AusHSI Implementation Grant	\$75,000	\$150,000 (2016-2017)
Adrienne Young, Merrilyn Banks, Jan Hill, Jack Bell, <b>Tracy Comans</b> , Rhiannon Barnes	Dept of Nutrition and Dietetics	Malnutrition Models of Care	AusHSI	\$17,000	\$34,000 (2017-2018)
<b>Susie de Jersey</b> , Elizabeth Eakin, Shelley Wilkinon, <b>Tracey Comans</b> , Leonie Callaway, Claire Gardiner	Dept of Nutrition and Dietetics, Obstetric Medicine, Centre for Allied Health Research	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	RBWH Foundation	\$19,512	\$39,024 (2017-2018)
<b>Anna Farrell</b> , Anna Rumbach, Stacey Verner-Wren, Robert Henderson, Nicole Hutchinson	Speech Pathology and Neurology	Patient and family carer experiences of dysphagia in Motor Neurone Disease	HP Research Grant	\$3,768	\$15,070 (2015-2017)

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	<b>Comans TA</b> , Moretto N, Byrnes JB. Public Preferences for the Use of Taxation and Labelling Policy Measures to Combat Obesity in Young Children in Australia. International Journal of Environmental Research and Public Health (2017) 14(3), 324; doi:10.3390/ijerph14030324
Journal Article	Nguyen KH, Mulhern B, Lularatna S, Byrnes J, Moyle W, <b>Comans T</b> . Developing a dementia-specific health state classification system for a new preference-based instrument AD-5D. Health and Quality of Life Outcomes. (2017) 15(1), 21

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	<b>Comans TA</b> , Mihala G, Sakzewski L, Boyd R, Scuffham PA. The cost effectiveness of a web-based multimodal therapy for unilateral cerebral palsy. The Mitii RCT; Develop Med & Child Neurology (2017) Jul;59(7):756-761. doi: 10.1111/dmcn.13414.
Journal Article	<b>Chang AT</b> , Gavaghan B, O'Leary S, McBride LJ, Raymer M. Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? Aust Health Rev. 2017 May 15. doi: 10.1071/AH16222
Journal Article	Stute M, <b>Moretto N</b> , Raymer M, Banks M, <b>Buttrum P</b> , Sam S, Bhagwat M, <b>Comans T</b> . Process to establish 11 primary contact allied health pathways in a public health service. Aust Health Rev. (2017) 9 May 2017. doi: 10.1071/AH16206
Journal Article	Pitt E, Gallegos D, <b>Comans T</b> , Cameron C and Thorton L. Exploring the influence of local food environments on food behaviours: a systematic review of qualitative literature; Public Health Nutrition (2017) Jun 7:1-13. doi: 10.1017/S1368980017001069.
Journal Article	Nix J & <b>Comans TA</b> . Home Quick – occupational therapy home visits using mhealth, to facilitate discharge from acute admission back to the community; International Journal of Telerehabilitation, (2017) Vol. 9 No. 1 Spring 2017
Journal Article	Mervin M, Barker B, Sealey C, <b>Comans T</b> . Introduction of the community rehabilitation Northern Queensland service; Asia Pacific Journal of Health Management. (2017) 12(1) 42
Journal Article	Pereira MJ, Johnston V, Straker LM, Sjøgaard G, Melloh M, O'Leary SP, <b>Comans TA</b> . An Investigation of Self-reported Health-related Productivity Loss in Office Workers and Associations With Individual and Work-related Factors Using an Employer's Perspective. Journal of Occupational and Environmental Medicine. (2017) Jun 5. doi: 10.1097/JOM.0000000000001043
Journal Article	Vecchio N, Radford K, Fitzgerald JA, <b>Comans T</b> , Harris P & Harris N. Intergenerational care: an exploration of consumer preferences and willingness to pay for care. Aging & Mental Health. 2017: 1-9.
Journal Article	Standfield LB, <b>Comans TA</b> and Scuffham PA. An empirical comparison of Markov cohort modeling and discrete event simulation in a capacity-constrained health care setting. European Journal of Health Economics. (2017)18(1) 33-47 DOI: 10.1007/s10198-015-0756-z
Journal Article	<b>de Jersey S</b> , Mallan K, Forster J, Daniels LA. A prospective study of breastfeeding intentions of healthy weight and overweight women as predictors of breastfeeding outcomes. Midwifery (2017) Oct;53:20-27
Journal Article	<b>Comans T, Chang A</b> , Knowles D, O'Leary S, Standfield L, Raymer M. The development and practical application of a simulation model to inform musculoskeletal service delivery in an Australian public health service. Operations Research for Health Care. early online <a href="https://doi.org/10.1016/j.orhc.2017.07.002">https://doi.org/10.1016/j.orhc.2017.07.002</a>
Journal Article	Standfield LB, <b>Comans T</b> , Scuffham P. A simulation of dementia epidemiology and resource use in Australia. Australian and New Zealand Journal of Public Health. (2017), doi:10.1111/1753-6405.12700
Journal Article	Sowa PM, Kault S, Byrnes J, Ng SK, <b>Comans T</b> , Scuffham PA. Private Health Insurance Incentives in Australia: In Search of Cost-Effective Adjustments. Applied Health Economics and Health Policy. 2017:1-1.
Journal Article	Caruana LR, Barnett AG, Tronstad O, Paratz JD, Chang AT, Fraser JF. Global tidal variations, regional distribution of ventilation, and the regional onset of filling determined by electrical impedance tomography: reproducibility. Anaesth Intensive Care. 2017 Mar;45(2):235-243

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	<b>Rohde, A.</b> , Worrall, L., O'Halloran, Godecke, E., <b>Farrell, A.</b> (2017). Brisbane Evidence-Based Language Test, Brisbane EBLT: A new diagnostic test for the identification of acute post-stroke language disorders. Published Abstracts from the 5th International Society for Evidence-Based Healthcare Congress, British Medical Journal Open online, 7(1) dx.doi.org/10.1136/
Invited Oral	<b>Comans TA</b> , Padayachee A; Deeble Institute hospital avoidance think tank 23 May, Melbourne. An allied health led model of care for a rural hospital
Poster	<b>Farrell A, Chang AT, Buttrum P</b> , Banks M. How much time do allied health clinicians spend undertaking research? National Allied Health Conference, Sydney, August 2017
Oral	<b>Chang AT</b> , Gavaghan B, O'Leary S, McBride LJ, Raymer M. Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? National Allied Health Conference, Sydney, August 2017
Poster	Lewis CA, Hickman I, <b>de Jersey S</b> , Osland E. Does Bariatric Surgery cause Micronutrient Deficiency? A systematic review. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	Meloncelli N, Barnett, A, <b>de Jersey S</b> . A multidisciplinary team survey of current practices for managing gestational diabetes in Australia. Combined Australasian Diabetes in Pregnancy Society and Society of Obstetric Medicine Australia and New Zealand Annual Scientific Meeting, October 2017.
Oral	<b>Sam S</b> , Stute M, <b>Buttrum P</b> , <b>Moretto N</b> , <b>Bhagwat M</b> , <b>Banks M</b> , <b>Raymer M</b> and <b>Comans T</b> . "Utility of a uniform data set for primary contact allied health clinics" National Allied Health Conference 2017, August, Sydney
Oral	<b>Stute M</b> , Sam S, Moretto N, <b>Bhagwat M</b> , <b>Raymer M</b> , <b>Banks M</b> , <b>Buttrum P</b> , <b>Comans T</b> "Evaluation of allied health led primary contact services: Interim results at 1 year" 2017 Health Services and Policy Research Conference; Gold Coast 1-3 November 2017



# NUTRITION AND DIETETICS

---

## Research vision

Our research vision is to be leaders in nutrition and dietetic research, with the overall aim of providing excellent and evidence-based services for the RBWH community. This is achieved through developing capacity within the department to support all dietitians to engage in research and evaluation, and building networks with researchers across RBWH, Metro North HHS and academic partners.

## Benefits for patients

Our research agenda is based on improving the nutrition and health of our patients through knowledge generation and translation to ensure delivery of evidence-based nutrition care. Our research has led to enhanced prevention and treatment of malnutrition and pressure injuries. Recent work has focused on translating this evidence locally through nurse-led nutrition protocols and mealtime assistance programs and more broadly through implementing systematised interdisciplinary nutrition care across Queensland hospitals. For patients with a diagnosis of head and neck cancer, our research has identified that early supportive enteral nutrition intervention prevents nutritional decline, improves recovery and patient outcomes, and thus pre-treatment dietitian interventions are now routine practice. Our research has informed changes to routine antenatal care that has seen an increase in the advice being provided to women about healthy weight gain in pregnancy and a reduction in the proportion of women gaining excess weight, preventing future chronic disease in both the women and their children.

## Achievements

In 2017, Nutrition and Dietetics has had one of its strongest years in research yet. The strong culture of research capacity building and support within our department was recognised with the department awarded Highly Commended (Research Support) at the MNHHS Research Excellence awards, with a further 11 research awards/prizes being awarded to our clinician-researchers at local, national and international conferences. In 2017, we were awarded funding in excess of \$425,000 in competitive research grants and scholarships, with 75% of these grants having an RBWH dietitian named as Chief Investigator. This year we published 22 peer-reviewed research papers and presented 22 oral and invited research presentations at national and international conferences. Dr Teresa Brown graduated from her PhD in September 2017, and Sarah Andersen and Carrie-Anne Lewis articulated from Masters of Philosophy to PhD in 2017 to extend their research in their specialist clinical areas.

## Research collaborations

Our department has strong research networks within RBWH, Metro North HHS and beyond. Locally, we collaborate with Internal Medicine, Cancer Care, Gastroenterology and Hepatology, Womens and Newborn Services, and Nursing and Midwifery Services at the RBWH and other hospitals, including Princess Alexandra Hospital and The Prince Charles Hospital. We partner with universities to conduct research and supervise research students (undergraduate, Masters and PhD) including Queensland University of Technology, University of Queensland, Griffith University (including Research Centre of Excellence in Nursing); University of Sunshine Coast, Australian Catholic University, Queensland Institute of Medical Research, and Universities of Alberta and Waterloo in Canada. State-wide, national and international networks include: Australasian Society of Parental and Enteral Nutrition (AuSPEN); European Society of Clinical Nutrition and Metabolism (ESPEN), Australian and New Zealand Intensive Care Research Centre (ANZIC-RC).



## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Sarah Andersen</b>	PhD, UQ (2015-2019)	Early nutrition support in patients undergoing BMT	Judy Bauer, <b>Merrilyn Banks</b>
<b>Teresa Brown</b>	PhD, UQ (2012-2017) Conferred September 2017	Optimising nutrition support in patients with head and neck cancer	Judy Bauer, <b>Merrilyn Banks</b> , Brett Hughes
<b>Angela Byrnes</b>	PhD, UQ (2015-2018)	Nutritional care and status of older surgical patients	Judy Bauer, <b>Adrienne Young</b> , <b>Merrilyn Banks</b> , Alison Mudge
Nerida Hart	PhD, QUT (2015-2018)	What makes a quality hospital foodservice?	<b>Mary Hannan-Jones</b> , <b>Merrilyn Banks</b>
Claire Nelson	PhD, QUT (2014-2018)	Investigation of nutrition status of community adults with lower leg wounds	<b>Merrilyn Banks</b> , <b>Mary Hannan-Jones</b> , Kathleen Findlayson
Quoc Quong Tran	PhD, QUT (2014-2018)	Nutritional status of patients in Vietnamese hospitals	Danielle Gallegos, <b>Merrilyn Banks</b> , <b>Mary Hannan-Jones</b>
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	<b>Susie de Jersey</b> , Danielle Gallegos, Shelley Wilkinson
<b>Carrie-Anne Lewis</b>	PhD, UQ (2016-2021)	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	Ingrid Hickman, <b>Susie de Jersey</b> , <b>Emma Osland</b>
Nina Meloncelli	PhD, QUT (2016-2019)	Management of gestational diabetes: exploring practices, evidence base and models of care among the multidisciplinary team	<b>Susie de Jersey</b> , Adrian Barnett
Alvin Wong	PhD, UQ (2017-2020)	Cost effectiveness of nutrition support services	<b>Merrilyn Banks</b> , Judy Bauer
<b>Joanne Roddick</b>	PhD, UQ (2017-2023)	Nutrition throughout head and neck cancer treatment: patient experience and adherence, barriers and enablers to enteral feeding recommendations	<b>Merrilyn Banks</b> , <b>Teresa Brown</b> , Judy Bauer

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Merrilyn Banks</b>	Adjunct Assoc Professor	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	Queensland University of Technology (2012-current) University of Queensland (2012-current)
<b>Adrienne Young</b>	Research Coordinator, and Visiting Research Fellow	Nutrition in older adults	Queensland University of Technology (2013 – current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Susie de Jersey</b>	Visiting Research Fellow, and Adjunct Senior Lecturer	Nutrition and weight gain in the perinatal and post- partum period	Queensland University of Technology (2013 – current) University of Sunshine Coast (2014-current)
Lynda Ross	Visiting Fellow	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up	Griffith University (2014-current)
Mary Hannan-Jones	Honorary Research Fellow	Improving quality of Food Services	Senior Lecturer, Queensland University of Technology (2014 – current)

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Carrie-Anne Lewis</b>	Ingrid Hickman (PAH), <b>Susan de Jersey, Emma Osland, Siobhan Wallin</b> , Lindsay Web (PAH), George Hopkins (Surgery), Blair Bowden (Surgery), Benjamin Dodd (Surgery), Viral Chikani (Endocrinology), Anthony Cheng (Surgery) ,Chung Kwun Won (Surgery), Kath Bradley (Surgery), Lara Maidment (Endocrinology)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population
<b>Siobhan Wallin</b>	<b>Carrie-Anne Lewis, Adrienne Young</b> , Marzia Bell (QUT)	Pre-operative lifestyle intervention for patients undergoing bariatric surgery
<b>Abi Marsh</b>	<b>Jessica Kinneally</b> , Tayla Robertson (PAH), <b>Adrienne Young</b> , Graham Radford Smith (Gastroenterology), Anna McMahon (Gastroenterology), Karen Sewell (Gastroenterology), Larissa McKInnon (Gastroenterology)	Nutritional Status, Nutrition Impact Symptoms, and Food Avoidance Behaviours in Patients with Inflammatory Bowel Disease
<b>Paula MacDermott</b>	Chris Chapman-Kiddell, Lynda Ross (Griffith), Anita Pelecanos (QIMR), Graham Radford-Smith (Gastroenterology)	Is there any correlation between dietary patterns in Inflammatory Bowel Disorder and genetics pre-diagnosis?
<b>Ally di Bella</b>	<b>Claire Blake, Adrienne Young</b> , Anita Pelecanos (QIMR), <b>Teresa Brown</b>	Reliability of patient-led screening with the Malnutrition Screening Tool (MST): agreement between patient and health professional scores in the cancer care ambulatory setting
<b>Teresa Brown</b>	<b>Merrilyn Banks</b> , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	A randomized comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Teresa Brown</b>	<b>Merrilyn Banks</b> , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Impact of non-adherence to swallow and nutrition guidelines for head and neck cancer
<b>Teresa Brown</b>	Kym Wittholz (UQ), Mandy Way (QIMR), <b>Merrilyn Banks</b> , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Investigation of p16 (HPV) status, chemotherapy regimen and other nutrition markers for predicting gastrostomy in patients with head and neck cancer
<b>Claire Blake</b>	<b>Teresa Brown</b> 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
<b>Claire Blake</b>	<b>Teresa Brown</b> , 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
<b>Teresa Brown</b>	Aaron Chan (UQ), <b>Kathleen Dwyer</b> , <b>Merrilyn Banks</b> , Brett Hughes (Cancer Care), Judy Bauer (UQ), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Jane Crombie (Speech Path), Ann-Louise Spurgin (Speech Path)	Revalidation of swallow and nutrition guidelines in tomotherapy
<b>Sarah Andersen</b>	<b>Merrilyn Banks</b> , Glen Kennedy (Cancer Care), Teresa Brown, Nicholas Weber (Cancer Care), Judy Bauer (UQ)	Does early proactive enteral nutrition improve outcomes post allogeneic stem cell transplantation - A randomized comparison to standard care
<b>Susie de Jersey</b>	Leonie Callaway (UQ, WNBS), Lynda Ross (Griffith Uni), <b>Taylor Guthrie</b> , Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Karen New (UQ, Women's and Newborn), Janelle Laws (Women's and Newborn)	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Susie de Jersey</b>	Leonie Callaway (UQ, WNBS), <b>Taylor Guthrie</b> , Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Karen New (UQ, Women's and Newborn)	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
<b>Susie de Jersey</b>	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), <b>Claire Gardiner</b> , <b>Hilary Jimmieson</b> , <b>Taylor Guthrie</b>	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
<b>Angela Byrnes</b>	<b>Adrienne Young</b> , <b>Merrilyn Banks</b> , Alison Mudge (IMS), Judy Bauer (UQ)	Investigating the nutritional status and care of older ( $\geq 65$ years) patients on two general surgical wards: A multiphase, action research study
<b>Claire Blake</b>	<b>Merrilyn Banks</b> , Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service
<b>Jane Musial</b>	<b>Mary Hannan-Jones</b> , <b>Adrienne Young</b> , <b>Susie de Jersey</b> , Bonnie Lau, Robbie Mullins, <b>Andrea Cawte</b>	Evaluation of combined QUT-RBWH diabetes clinic - patient and service outcomes
<b>Susie de Jersey</b>	<b>Natasha Lorenzen</b> , <b>Taylor Guthrie</b>	Gestational Diabetes Service Nutrition Practice Guidelines and Outcomes clinical audit
<b>Hilary Jimmieson</b>	<b>Clare Byrne</b> , <b>Susie de Jersey</b>	Evaluation of the New Beginnings program
<b>Hilary Jimmieson</b>	<b>Adrienne Young</b>	New Group Model of Care for low salt dietary education for Chronic Kidney Disease patients.
<b>Claire Gardiner</b>	<b>Carrie-anne Lewis</b> , <b>Clare Byrne</b> , <b>Adrienne Young</b>	Evaluation of the Acute Eating Disorder Dietitian role
<b>Claire Blake, Emma Osland</b>	Kay Lasenby (Gastroenterology)	Service evaluation of the management of complex nutrition patients (PEN PALS Project)
<b>Ally di Bella</b>	<b>Merrilyn Banks</b> , Tracy Comans (CAHR), Ingrid Hickman (PAH), Donna Hickman (TPCH)	Prevalence and impact of obesity in acute hospital setting
<b>Ally di Bella</b>	Winnie Soo Yii Tan (QUT), <b>Merrilyn Banks</b> , Tracy Comans (CAHR), Ingrid Hickman (PAH), Donna Hickman (TPCH)	Cost of obesity in the acute hospital setting
<b>Ally di Bella</b>	Emilie Croisier (UQ), <b>Claire Blake</b> , <b>Teresa Brown</b> , Anita Pelecanos (QIMR), Judy Bauer (UQ)	Assessing the validity of patient self-administered screening using the Malnutrition Screening Tool (MST) in oncology outpatients in a cross-sectional observational study
<b>Claire Dux</b>	<b>Susie de Jersey</b> , <b>Emma Osland</b> , Sandra Heaydon (Surgery), Lindy Jeffree (Surgery), ShuChui (Amanda) Lim (QUT)	Evaluation of the Transition Feeding Pathway on the Neurosurgery Ward



RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Adrienne Young</b>	<b>Carrie-Anne Lewis, Merrilyn Banks,</b> Theresa Pen Yei Kwek (QUT), Ka Man Lau (QUT)	Evaluation of the impact of the Seven Day Nutrition Action Care plan on nutritional intake and care practices
<b>Angela Byrnes</b>	<b>Amanda Lowe, Siobhan Wallin, Adrienne Young</b>	ERAS in surgical wards: audit of current practice to inform improvement of perioperative nutrition care
<b>Joanne Roddick</b>	<b>Teresa Brown, Merrilyn Banks,</b> Judy Bauer (UQ)	Patient Experience of Nutrition Care across three treatment modalities for the management of head and neck cancer.
<b>Adrienne Young</b>	<b>Merrilyn Banks,</b> Tayla Robertson (PAH), <b>Jo Roddick, Kate Morgan,</b> Danielle Gallegos (QUT), Angela Byrnes	Nutritional care in hospital: What is the patient experience?
<b>Claire Blake</b>	<b>Teresa Brown</b>	Evaluation of pre-treatment model of care in patients with head and neck cancer
<b>Robin Hay</b>		Evaluation of Healthy Eating and Lifestyle Program (HELP) telehealth clinic
<b>Kate Morgan</b>	<b>Adrienne Young</b>	Evaluation of nutrition and dietetics services to in-centre haemodialysis patients
<b>Jen Ellick</b>	Christine Eadeh, <b>Michaela Hatzirodos, Claire Dux, Merrilyn Banks, Adrienne Young</b>	Evaluation of the implementation of Delegate electronic patient meal management system
<b>Adrienne Young</b>	<b>Claire Dux,</b> Gai Harrison (Social Work), <b>Maria Walls, Rachana Naidu, Raje Badwa, Jess Fry, Liliana Zapta, Carrie-Anne Lewis, Merrilyn Banks</b>	Evaluation of the value of dietetic assistant role from the DA patient and staff perspective
<b>Angela Byrnes</b>	Mikeala Wheeler (UQ), <b>Adrienne Young, Amanda Lowe,</b> Judy Bauer (UQ)	Exploring patient's experience of perioperative nutrition education and care when undergoing elective colorectal surgery
<b>Amanda Lowe</b>	<b>Emma Osland,</b> Craig Harris (Surgery), David Taylor (Surgery)	Examination of nutrition care and support practices for patients having pelvic exenteration surgery

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Melissa Eastgate (Cancer Care)	David Wyld (Cancer Care), <b>Teresa Brown,</b> Shu Fen Lee (Cancer care)	Patient perceptions of diet and cancer – survey of cancer care patients

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Alison Mudge (IMS)	<b>Merrilyn Banks</b> , Adrian Barnett (QUT), Irene Blackberry (Latrobe), Ann Chang (QUT), Nick Graves (QUT), Ruth Hubbard (UQ), Sharon Inouye (Harvard), Sue Kurrle (Uni of Sydney), Kwan Lim (Uni of Melbourne), Prue McRae (IMS), Nancye Peel (UQ), <b>Adrienne Young</b>	CHERISH Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital
Priya Cherian (Radiology)	<b>Claire Blake</b> , Mark Appleyard (Gastro), Nigel Mott (DMI), David Smith (QIMR)	Radiologically inserted gastrostomy (RIG) an Interventional Radiology Procedure that promotes high value healthcare
Lynda Ross (Griffith)	<b>Robin Hay, Angela Byrnes</b> , Keanne Langston (Griffith)	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up
Annette Collins (speech pathology)	Clare Burns (Speech Pathology), <b>Claire Blake</b> , Jane Crombie (Speech Pathology), Liz Kenny (Cancer Care), Phil Greenup, Daniel Best (Telehealth), Liz Ward (UQ)	In home model of care telehealth for head and neck post-treatment - efficiency and efficacy
Judy Bauer (UQ)	<b>Teresa Brown, Merrilyn Banks</b> , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service)	Comparison of body composition methods in head and neck cancer patients undergoing chemoradiotherapy – PET-CT vs BIA
Jude Maher, Lauren Hurst (USC)	<b>Susan de Jersey</b>	Health priorities of women during pregnancy: A discrete choice experiment
Jude Maher (USC)	<b>Susan de Jersey</b> ; Gary Slater (USC), Chris Askew (USC), Elizabeth Swanepoel (USC), Nina Melloncelli (SCHHS)	The CHANGE study (body Composition, pPhysical Activity, pregNancy, enerGy metabolism, diEt); Investigating womens' body composition change during pregnancy
Loris Pironi (Home Artificial Nutrition Group, ESPEN)	<b>Emma Osland</b>	International benchmarking of Home Parenteral Nutrition service provision and validation of ESPEN chronic intestinal failure classifications.
Louise Cooney (PAH)	<b>Teresa Brown</b> , Louise Elvin-Walsh (PAH), <b>Eliza Kern, Suzie Ahern</b> , David Smith (QIMR), Liz Kenny (Cancer Care), Brett Hughes (Cancer Care), Sandro Porceddu (PAH), Ingrid Hickman (PAH), Bena Cartmill (PAH)	Comparison of nutrition and clinical outcomes in H&N cancer patients following reactive and proactive nutrition support approaches
Leah Gramlich (University of Alberta), Merran Findlay (RPAH), Liz Isenring (Bond Uni), Judy Bauer (UQ)	<b>Merrilyn Banks, Joanne Roddick, Siobhan Wallin</b>	International Audit of Nutrition Care in Patients with FORegut TuMors (INFORM)

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Jack Bell (TPCH)	<b>Adrienne Young, Merrilyn Banks,</b> Tracy Comans (Centre for Allied Health, UQ), Jan Hill	The SIMPLE Approach: Systematised, Interdisciplinary Malnutrition Program Implementation and Evaluation
Shelley Roberts (Griffith)	Andrea Marshall (Griffith), <b>Merrilyn Banks,</b> Alan Spencer (GCUH), Zane Hopper (GCUH), <b>Adrienne Young,</b> Ruben Gonzales (Griffith), Wendy Chaboyer (Griffith)	Using technology to engage patients in their nutrition care: a pilot study
Alison Mudge (IMS)	Ruth Hubbard (UQ), <b>Adrienne Young,</b> Len Gray (UQ), Elizabeth Whiting (MNHHS), Elizabeth Beattie (QUT), Fred Graham (PAH), <b>Merrilyn Banks,</b> Prue McRae (IMS)	Older Person Friendly Hospital: Understanding barriers and enablers for care in Brisbane hospitals
Judy Bauer (UQ)	Nathan Baldwin (UQ), Merran Findlay (Sydney), <b>Teresa Brown</b>	Evaluation of implementation, enablers and barriers for the Evidence-based- guidelines for the nutritional management of adult patients with head and neck cancer.
Nina Melloncelli (SCHHS, QUT)	<b>Susie de Jersey,</b> Adrian Barnett (QUT)	Gestational diabetes mellitus: Examining diversity in practices, impact of clinical guidelines and the implementation of a nutrition-led model of care
Ray Chan (Cancer Care)	Alex Molassiotis (Hong Kong), Patsy Yates (QUT), Gillian Nasato (Cancer Care), <b>Teresa Brown,</b> Elise Button (Cancer Care), Andrea Marshall (Griffith), Liz Isenring (Bond University), David Wyld (Cancer Care), Melissa Eastgate (Cancer Care) Nicole Gavin (Cancer Care)	A patient-family-centred intervention to promote nutrition in advanced cancer patients: a pilot randomised controlled trial
Samantha Olenski (IMS)	Alison Mudge (IMS), <b>Adrienne Young,</b> Prue McRae (IMS), Kimberley Mallan (ACU), Zoe Walsh (CISS), Jill Ross (CISS), Alanna Geary (Nursing and Midwifery)	Developing and validating a novel survey to identify barriers and enablers to improving nutrition care in acute and subacute inpatient settings
Quoc Qong Tran (QUT)	Danielle Gallegos (QUT), <b>Merrilyn Banks,</b> Mary Hannan-Jones (QUT)	Nutritional status of patients in Vietnamese hospitals
Nerida Hart (QUT)	Mary Hannan-Jones (QUT), <b>Merrilyn Banks</b>	What makes a quality foodservice system?
Claire Nelson (QUT)	<b>Merrilyn Banks,</b> Mary Hannan-Jones (QUT), Kathleen Findlayson	Nutritional status of community dwelling individuals with chronic leg wounds
Alvin Wong (UQ)	<b>Merrilyn Banks,</b> Judy Bauer (UQ)	Cost effectiveness of nutrition support services

## 2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
<b>Susan de Jersey</b>	RBWH Foundation 2017 Royal Alumni Research Encouragement Award	RBWH and RBWH Foundation Research Grant Awards, 28th February 2017
<b>Angela Byrnes, Adrienne Young, Alison Mudge, Merrilyn Banks, Judy Bauer</b>	International Poster of Distinction	American Society of Parenteral and Enteral Nutrition Clinical Nutrition Week, 18-21 February 2017.
<b>RBWH Nutrition and Dietetics Research Team</b>	Highly Commended, Research Support	MNHHS Research Excellence Awards, 26th May 2017
<b>Obstetric Medicine Research Team (incl Susie de Jersey)</b>	Winner, Complex Health Problems	MNHHS Research Excellence Awards, 26th May 2017
<b>Sarah Andersen</b>	Winner, Evidence-based practice prize	DAA national conference, 18-20th May, 2017
<b>Hilary Chang (QUT), Phil Juffs, Ros Shepherd</b>	Best Novice Researcher Poster	DAA national conference, 18-20th May, 2017
<b>Teresa Brown</b>	Winner, Translation in Practice	CAHRLI, 6th June 2017
<b>Angela Byrnes</b>	Early Career Researcher	RBWH Symposium 12-14th September 2017
<b>Angela Byrnes</b>	Best Poster	Dietitians Association of Australia Queensland Symposium 14th July 2017
<b>Joanne Roddick</b>	Overall Winner	My Translation Rules Annual Showcase 14th November 2017
<b>Carrie-Anne Lewis</b>	Best New Presenter	My Translation Rules Annual Showcase 14th November 2017
<b>Teresa Brown</b>	Best Allied Health/ Nursing Oral Presentation	Australian & New Zealand Head and Neck Society Annual Scientific Meeting, 12-14 October 2017

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
<b>Carrie-Anne Lewis</b>	Nutrition and Dietetics	Post-graduate research scholarship	RBWH Foundation	\$16,942	\$33,884 (2017 – 2018)
<b>Sarah Andersen</b>	Nutrition and Dietetics	Post-graduate research scholarship	RBWH Foundation	\$16,942	\$25,000 (2017 – 2018)
<b>Adrienne Young, Merrilyn Banks, Jan Hill, Jack Bell, Tracy Comans, Rhiannon Barnes</b>	Dept of Nutrition and Dietetics,	Malnutrition Models of Care	AusHSI	\$17,000	\$34,000 (2017 – 2018)
<b>Adrienne Young, Angela Byrnes</b>	Dept of Nutrition and Dietetics	Local practice in relation to nutritional care of older (≥65 years) surgical patients	RBWH Foundation	\$10,124.89	\$20,249.78 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Kimberley Mallan, <b>Susan de Jersey</b> , Lynne Daniels	Dept of Nutrition and Dietetic,	A targeted approach to obesity prevention in children: Tracking the development of obesogenic behaviours from 0-6 years.	Australian Catholic University Health Sciences Faculty Research Project Grant	\$21,895	\$21,895 (2017)
<b>Susie de Jersey</b> , <b>Elizabeth Eakin</b> , Shelley Wilkinson, <b>Tracey Comans</b> , <b>Leonie Callaway</b> , <b>Claire Gardiner</b>	Dept of Nutrition and Dietetics, Obstetric Medicine, Centre for Allied Health Research	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	RBWH Foundation	\$19,512	\$39,024 (2017 – 2018)

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	<b>Banks M</b> , Hannan-Jones M, Ross L, Buckley A, <b>Ellick J</b> , <b>Young A</b> . Measuring the quality of hospital food services: Development and reliability of a Meal Quality Audit Tool. <i>Nutrition and Dietetics</i> . 2017;74:147-57
Journal Article	<b>Brown TE</b> , <b>Banks MD</b> , Hughes BGM, Lin CY, Kenny LM, Bauer JD. Randomised controlled trial of early prophylactic feeding vs standard care in patients with head and neck cancer. <i>Br J Cancer</i> . 2017. DOI:10.1038/bjc.2017.138
Journal Article	<b>Brown T</b> , <b>Banks M</b> , Hughes BGM, Lin C, Kenny LM, Bauer JD. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. <i>Oral Oncology</i> 2017; 72: 17-25.
Journal Article	<b>Brown T</b> , <b>Banks M</b> , Hughes BGM, Lin C, Kenny L, Bauer J. Tube feeding during treatment for head and neck cancer – Adherence and patient reported barriers. <i>Oral Oncology</i> 2017; 72: 140-9.
Journal Article	<b>de Jersey S</b> , J, Mallan KM, Callaway LK, Daniels LA, Nicholson JM. Prospective Relationships between Health Cognitions and Excess Gestational Weight Gain in a Cohort of Healthy and Overweight Pregnant Women. <i>Journal of the Academy of Nutrition and Dietetics</i> . 2017. <a href="http://dx.doi.org/10.1016/j.jand.2016.12.011">http://dx.doi.org/10.1016/j.jand.2016.12.011</a>
Journal Article	<b>de Jersey SJ</b> , Mallan K, Forster J, Daniels LA. A prospective study of breastfeeding intentions of healthy weight and overweight women as predictors of breastfeeding outcomes. <i>Midwifery</i> 2017; 53: 20-27.
Journal Article	Marshall S, <b>Young A</b> , Isenring E. The Malnutrition Screening Tool in Geriatric Rehabilitation: A Comparison of Validity When Completed by Health Professionals With and Without Malnutrition Screening Training Has Implications for Practice. <i>Journal of the Academy of Nutrition and Dietetics</i> . 2017 <a href="https://doi.org/10.1016/j.jand.2017.03.019">https://doi.org/10.1016/j.jand.2017.03.019</a>
Journal article	Mudge AM, <b>Banks MD</b> , Barnett AG, Blackberry I, Graves N, Green T, et al. CHERISH (collaboration for hospitalised elders reducing the impact of stays in hospital): protocol for a multi-site improvement program to reduce geriatric syndromes in older inpatients. <i>BMC Geriatrics</i> . 2017;17(1):11
Journal article	Newman CS, Cornwell PL, <b>Young AM</b> , Ward EC, McErlain AL. Accuracy and confidence of allied health assistants administering the subjective global assessment on inpatients in a rural setting: a preliminary feasibility study. <i>Nutr Diet</i> . 2017. doi: 10.1111/1747-0080.12370.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	<b>Osland E</b> , Yunus RM, Khan S, Memon B, Memon MA. Weight loss outcomes in laparoscopic vertical sleeve gastrectomy (LVSG) versus laparoscopic Roux-en-Y gastric bypass (LRYGB) procedures: a meta-analysis and systematic review of randomized controlled trials. <i>Surgical Laparoscopy, Endoscopy &amp; Percutaneous Techniques</i> . 2017;27(1):8-18
Journal article	Roberts S, McInnes E, Bucknall T, Wallis M, <b>Banks M</b> , Chaboyer W. Process evaluation of a cluster-randomised trial testing a pressure ulcer prevention care bundle: a mixed-methods study. <i>Implementation Science</i> . 2017; 12(1):18-27
Journal article	Roberts S, Wallis M, McInnes E, Bucknall T, <b>Banks M</b> , Ball L, et al. Patients' Perceptions of a Pressure Ulcer Prevention Care Bundle in Hospital: A Qualitative Descriptive Study to Guide Evidence-Based Practice. <i>Worldviews on Evidence-Based Nursing</i> . 2017 doi 10.1111/wvn.12226
Journal article	Stute M, Moretto N, Raymer M, <b>Banks M</b> , Buttrum P, Sam S, et al. Process to establish 11 primary contact allied health pathways in a public health service. <i>Australian Health Review</i> . 2017 <a href="http://dx.doi.org/10.1071/AH16206">http://dx.doi.org/10.1071/AH16206</a>
Journal article	<b>Young A</b> . The effectiveness of protected mealtimes in hospital remains unclear. <i>Evidence Based Nursing</i> . 2017;20(3):86
Journal article	Whitty JA, McInnes E, Bucknall T, Webster J, Gillespie BM, <b>Banks M</b> , et al. The cost-effectiveness of a patient centred pressure ulcer prevention care bundle: findings from the INTACT cluster randomised trial. <i>International Journal of Nursing Studies</i> . 2017 <a href="https://doi.org/10.1016/j.ijnurstu.2017.06.014">https://doi.org/10.1016/j.ijnurstu.2017.06.014</a>
Journal article	Marshall S, Agarwal E, <b>Young A</b> , Isenring E. Role of domiciliary and family carers in individualised nutrition support for older adults living in the community. <i>Maturitas</i> . 2017;98:20-9
Journal article	Wong A, Goh G, <b>Banks M</b> , Bauer J. A Systematic Review of the Cost and Economic Outcomes of Home Enteral Nutrition. <i>Clinical Nutrition</i> . 2017. <a href="https://doi.org/10.1016/j.clnu.2017.06.019">https://doi.org/10.1016/j.clnu.2017.06.019</a>
Journal article	<b>Osland E</b> . Consideration of the presence of inflammation is essential for interpretation of serum micronutrient results. <i>Diabet Med</i> . 2017 doi: 10.1111/dme.13405
Journal article	Phan KA, <b>Dux CM</b> , <b>Osland EJ</b> and Reade MC "Effect of hypocaloric normoprotein or trophic feeding versus target full enteral feeding on patient outcomes in critically ill adults: a systematic review." <i>Anaesth Intensive Care</i> 2017 45: 663-675.
Journal article	Collins A, Burns CL, Ward EC, Comans T, <b>Blake C</b> , Kenny L, Greenup P and Best D "Home-based telehealth service for swallowing and nutrition management following head and neck cancer treatment." <i>Journal of Telemedicine and Telecare</i> 2017 23(10): 866-872.
Journal article	<b>Byrnes A</b> , <b>Banks M</b> , <b>Mudge A</b> , <b>Young A</b> , Bauer J. Enhanced Recovery After Surgery as an auditing framework for identifying improvements to perioperative nutrition care of older surgical patients. <i>Eur J Clin Nutr</i> 2017;10.1038/s41430-017-0049-y.
Journal article	<b>Young AM</b> , <b>Banks MD</b> , <b>Mudge AM</b> . Improving nutrition care and intake for older hospital patients through system-level dietary and mealtime interventions. <i>Clinical Nutrition ESPEN</i> 2017;10.1016/j.clnesp.2017.12.009.

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	<b>Byrnes A</b> , <b>Young A</b> , <b>Banks M</b> , Mudge A, Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. American Society of Parenteral and Enteral Nutrition Clinical Nutrition Week, February 2017.
Oral	<b>Young A</b> , <b>de Jersey M</b> , <b>Banks M</b> . Utilising students to increase research capacity: a case study from Royal Brisbane and Women's Hospital. Dietitians Association of Australia. May 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Phan K, <b>Osland E</b> . To feed or not to feed? The effect of intentional underfeeding versus full target feeding on patient outcomes in the ICU: a systematic review Dietitians Association of Australia. May 2017
Oral	Newman C, <b>Young A</b> , Cornwell P, Ward E, McErlain A. Training allied health assistants to accurately complete Subjective Global Assessments: can it be done? Dietitians Association of Australia. May 2017.
Oral	<b>Jennings C, Young A</b> . Nutrition screening is a must for geriatric rehabilitation: feeding dependency score does not accurately identify malnutrition Dietitians Association of Australia. May 2017.
Oral	Hurst L, Maher J, Swanepoel E, <b>de Jersey S</b> , Dunn PK. A discrete choice experiment: a pilot study eliciting the health priorities of women during pregnancy. Dietitians Association of Australia. May 2017.
Oral	<b>Ellick J, Eadeh C, Juffs P, Banks M</b> . Digital meal management: the RBWH experience. Dietitians Association of Australia. May 2017.
Oral	<b>Eadeh C, Ellick J, Lewis CA, Byrne C, Kinneally J</b> . Implementing a delegation model of care: change is hard. Dietitians Association of Australia. May 2017.
Oral	<b>Byrnes A, Young A</b> , Mudge A, <b>Banks M</b> , Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. Dietitians Association of Australia. May 2017.
Oral	<b>Byrne C, Jimmieson H</b> , Ward N, <b>Young A, de Jersey S</b> . Poor attendance at group-based interventions for pregnancy weight management - does location and timing matter? Dietitians Association of Australia. May 2017.
Poster	<b>Musial J</b> , Leung WY, Mullins R. An alternative pathway for patients with t2dm through a new partnership between RBWH and QUT health clinics Dietitians Association of Australia. May 2017.
Poster	Leung WY, <b>Musial J</b> , Mullins R, <b>Hannan-Jones M</b> . Evaluation of inter-professional learning and service delivery in the pilot combined RBWH QUT Health Clinic Diabetes Model of Care. Dietitians Association of Australia. May 2017.
Poster	<b>Jimmieson H, Byrne C</b> , Ward N, <b>Young A, de Jersey S</b> . Poor referral and completion of new dietary intervention targeting high maternal weight and excessive weight gain in pregnancy, does weight play a role? Dietitians Association of Australia. May 2017.
Poster	Chang HU, <b>Juffs P, Shepherd R</b> . Novel survey methodology to assess foodservice satisfaction-the old ways are still the best, for now. Dietitians Association of Australia. May 2017.
Poster	<b>Byrnes A, Young A</b> , Mudge A, <b>Banks M</b> , Bauer J. Challenges in collecting patient 24-hour food and fluid intake in an acute surgical setting. Dietitians Association of Australia. May 2017.
Oral	Bell J, <b>Young A, Banks M</b> , Comans T, Hill J, Barnes R, Keller H. Early adopter uptake of delegated nutrition care processes - a cross sectional audit of current practice. National Allied Health Conference. August 2017
Oral	<b>Gardiner C, Lewis CA, Young A, Byrne C, Ellick J</b> The Challenges of Nutritional Management of Acute Eating Disorder Patients in the General Medical setting Australian and New Zealand Academy of Eating Disorders Conference. August 2017
Oral	Moon J, Roe J, Rae L, Hamilton J, Arnott J, Demmitt C, <b>Eadeh C</b> . Outcomes of a dedicated specialist multidisciplinary team in prevention of hospital acquired pressure injuries and malnutrition in an acute hospital setting: a pilot project. European Pressure Ulcer Advisory Panel Conference. Sept 2017.
Oral	<b>Marsh A, Kinneally J</b> . Lord A, <b>Young A</b> , Radford-Smith G. Exploring food avoidance behaviours in outpatients with Inflammatory Bowel Disease: who, what and why. Australian Gastroenterology Week. August 2017.
Poster	<b>Musial J</b> , Mullins R. The Combined RBWH-QUT Model of Care for Patients with Type 2 Diabetes. Health Roundtable Innovation Awards. July 2017.
Oral	<b>Young A</b> , Mudge A, McRae P, <b>Banks M</b> . Eat Walk Engage: Improving nutritional care and intake of hospitalised elders. International Association of Geriatrics and Gerontology, July 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	<b>Young A</b> , Bell J, Comans T, <b>Hill J</b> , Barnes R, Keller H, <b>Banks M</b> Shifting the focus of malnutrition models of care: The SIMPLE Approach. Health Services and Policy Research Conference, November 2017
Oral	<b>Young A</b> , Bell J, Comans T, <b>Hill J</b> , Barnes R, Keller H, <b>Banks M</b> Facilitation in action: case example from implementing “The SIMPLE Approach”. Health Services and Policy Research Conference, November 2017
Oral	<b>Andersen S</b> , Weber N, <b>Brown T</b> , Kennedy G, <b>Banks M</b> , Bauer J. Tolerability of early enteral nutrition post allogeneic stem cell transplantation - a randomised comparison to standard care. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	<b>Di Bella A</b> , Croisier E, <b>Blake C</b> , Pelicanos A, <b>Brown T</b> . Assessing the Validity of patient-led screening using the Malnutrition Screening Tool (MST) in the cancer care ambulatory setting. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	<b>Di Bella A</b> , <b>Blake C</b> , <b>Young A</b> , Pelecanos A, <b>Brown T</b> . Reliability of patient-led screening with the Malnutrition Screening Tool (MST) : Agreement between patient and health professional scores in the cancer care ambulatory setting. Clinical Oncology Society of Australia Annual Scientific Meeting November 2017
Poster	<b>Lewis CA</b> , Hickman I, <b>de Jersey S</b> , <b>Osland E</b> . Does Bariatric Surgery cause Micronutrient Deficiency? A systematic review. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Oral	Langston KC, <b>Hay R</b> , <b>Byrnes A</b> , <b>Ross LR</b> <b>Healthy Eating and Lifestyle Program (HELP): Gender differences in a two-year state-wide evaluation</b> . Asia Pacific Conference on Clinical Nutrition, November 2017
Oral	<b>Byrnes A</b> , <b>Young A</b> , Mudge A, <b>Banks M</b> , Bauer J. EXploring practice gaps to improve PERIoperative Nutrition Care of the Elderly (EXPERIENCE Study). Asia Pacific Conference for Clinical Nutrition, November 2017.
Oral	<b>Brown T</b> , <b>Banks M</b> , Hughes B, Lin C, Kenny L, Bauer J. Adherence and barriers to tube feeding during treatment for head and neck cancer – results from a RCT. Australia and New Zealand Head and Neck Cancer Society ASM, October 2017
Oral	<b>Brown T</b> , <b>Banks M</b> , Hughes B, Lin C, Kenny L, Bauer J. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. Australia and New Zealand Head and Neck Cancer Society ASM, October 2017
Poster	Meloncelli N, Barnett, A, <b>de Jersey S</b> . A multidisciplinary team survey of current practices for managing gestational diabetes in Australia. Combined Australasian Diabetes in Pregnancy Society and Society of Obstetric Medicine Australia and New Zealand Annual Scientific Meeting, October 2017.
Oral	<b>Blake C</b> , <b>Brown T</b> , Moroney L, Pelecanos A, Helios J, Kenny L, Hughes B. Enteral nutrition support and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy with concurrent chemotherapy. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017

## OTHER COMMUNICATIONS AND OUTPUTS:

Workshop	Baker S, Cotta MO, Druery M, <b>Dux C</b> , Paratz J, Thomas P. A Patient’s Journey through Septic Shock, the Contribution of the Allied Health Team. 42nd Australian and New Zealand Annual Scientific Meeting on Intensive Care and the 23rd Annual Paediatric and Neonatal Intensive Care Conference, October 2017.
Workshop	Stack A, Bell K, <b>Musial J</b> , Kentisch J. Getting dietitians ahead of the curve: the art and science of managing Type 1 Diabetes. Dietitians Association of Australia. May 2017.
Workshop	Brown T. Nutritional management for patients with head and neck cancer: current evidence and patient barriers to care. Nutrition & Cancer Masterclass for Nurses, Clinical Oncology Society of Australia Annual Scientific Meeting, November 2017
Workshop	Cruickshank D, Litzow T. Food Allergen Management: Best Practice or Best of Luck. Institute of Hospitality in Healthcare Conference, October 2017.



# OCCUPATIONAL THERAPY

Occupational Therapy, RBWH aims to apply research and evidence in daily practice to maximise patient outcomes. Every day, Occupational Therapists engage in reflective practice, and actively seek out evidence to answer clinical questions generated by their practice. Staff are encouraged to identify and develop service improvement activities whilst exploring the possibility of completion of research higher degrees. Criteria were established in 2017 to target Occupational Therapy research activity to ensure strategic alignment with Metro North and RBWH priorities, scientific rigour, impact and feasibility.

Occupational Therapy has continued to gain momentum during 2017 through a number of initiatives;

1. Integration of research activities into operational planning
2. Establishment of a dedicated research co-ordinator role
3. Appointment of an eminent Occupational Therapist to the inaugural research co-ordinator role : Emeritus Professor Jennifer Strong
4. The integration of project methodology into research activities
5. Collaboration with The RBWH Foundation to facilitate fundraising for the purposes of research

Other achievements in 2017 include :

- Appointment of an Honorary associate lecturer at the University of Queensland
- Appointment of a Senior lecturer , ACU
- Five presentations at National Occupational Therapy Conference, Perth 2017
- Two presentations at the National Australia and New Zealand Burns Conference, Adelaide 2017
- Four International presentations on Pain related topics

Looking forward to the future, key directions for 2018 will include expanding post graduate research opportunities within the RBWH Occupational Therapy team, exploring research grants and supporting the clinicians who have undertaken a research higher degree. The opening of the 120 bed specialist rehabilitation and ambulatory care centre in 2020 at Herston has been and will continue to drive the breadth of topics warranting investigation.

The benefits of a fully realised research culture for RBWH Occupational Therapy will be every patient receives the most appropriate , contemporary occupational therapy services every time.



## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Nicole Coghlan</b>	Masters of Philosophy UQ (2015 - 2018)	Patient experiences of wearing compression garments post burn injury	<b>Jenny Strong</b> , Jodie Copley, Tammy Aplin, <b>Sue Laracy</b>
<b>Andrea Mc Kittrick</b>	PhD UQ (2018 - 2023)	Outcome measures for hand burn injuries	Louise Gustaffson, <b>Jenny Strong</b>
Erin Molloy	Master of Philosophy UQ (2018 – 2020)	Sensory sensitivity and adherence with compression garments after burn injuries	<b>Jenny Strong</b> , Pam Meredith
Karl Bagraith	PhD UQ (2009-2017)	International Classification of Functioning (ICF) and chronic pain patients	Pam Meredith, <b>Jenny Strong</b> , Steve McPhail

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Nicole Andrews</b>	Honorary Lecturer RBWH Postdoctoral Research Fellow	School of Health and Rehabilitation Sciences Towards understanding how much activity is too much for individuals with chronic pain	The University of Queensland (2015 - 2017)
<b>Jenny Strong</b>	Emeritus Professor Adjunct Professor	School of Health and Rehabilitation Sciences School of Health, Medical & Applied Sciences	The University of Queensland (2016 ongoing) Central Queensland University (2017 onwards)
<b>Michelle Donovan</b>	Honorary Associate lecturer	School of Health & Rehabilitation Sciences	The University of Queensland (2017-2020)
<b>Andrea Mc Kittrick</b>	Senior Lecturer	School of Occupational Therapy	Australian Catholic University (2013-present)

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Tennille Rowland</b>	<b>Sue Laracy, Giovanna Tornatore, Beverley Lewis,</b> Simon Finnigan (UQCCR)	Occupational therapy stroke audit: Measuring compliance of occupational therapy practice with evidence-based guidelines
<b>Sue Laracy</b>	Cate Fitzgerald (QHealth), Meryll Turpin (UQ), <b>Beverley Lewis</b>	Supporting the transition to practice of new graduate occupational therapist using a clinical education framework.
Kirsten Cook	<b>Sue Laracy,</b> Simon Finnigan (UQCCR)	Evaluation of the Primary Contact Occupational Therapy Hands Pathway in the Treatment of Carpal Tunnel Syndrome ; statewide

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Nicole Coghlan</b>	Jenny Strong, Jodie Copley (UQ),	Patient experiences of wearing compression garments post burn injury
<b>Nicole Andrews</b>	Tammy Aplin (UQ), Sue Laracy	Towards understanding how much is too much for individuals with chronic pain
<b>Nicole Andrews</b>	<b>Sue Laracy</b>	Evaluation of occupational therapy interventions within the orthopaedic physiotherapy screening clinic
<b>Michelle Donovan</b>	<b>Sue Laracy</b>	Interim Pressure Garment Therapy: An investigation into the use of low level pressure therapy for burns donor site support and scar management.
Sarah Kekki	<b>Giovanna Tornatore</b> , Chris Barr (Flinders Uni)	What is the current level of Occupational Therapy upper limb practice intensity in an inpatient rehabilitation unit for stroke patients? An observational study.
<b>Sarah O'Reilly</b>	<b>Amber Jones</b> , Angela Chang (CAHR)	Scar taping with elastic based tapes
<b>Sue Laracy</b>	<b>Kristin Kirwan</b> , Angela Chang (CAHR), <b>Jenny Strong</b>	Acute surgical business case 7 day service review
<b>Kaitlyn Spalding</b>	<b>Kristin Kirwan</b> , Angela Chang (CAHR)	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice
<b>Giovanna Tornatore</b>	<b>Sue Laracy</b> , Angela Chang (CAHR)	What is the impact of a 6 day occupational therapy model of care in an in-patient rehabilitation service?
<b>Robyn Scheer</b>	<b>Nicole Andrews</b> , <b>Erin Molloy</b>	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema.
<b>Celeste Glasgow</b>	<b>Sue Laracy</b> , <b>Cherie Aceto</b>	What is the most effective orthosis for improving PIP joint extension following hand trauma? A RCT

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Emma Schleiger (UQCCR)	Simon Finnigan (UQCCR), Andrew Wong (Neurology), Stephen Read (Neurology), <b>Tennille Rowland</b>	Quantitative EEG in Stroke: Role of Quantitative EEG in diagnosis, prognostication and management of acute stroke.
Shanithi Kanagarajah	<b>Sue Laracy</b> , Kana Appadurai (Geriatrics), Kathleen Richter (Nursing), <b>Gisela Brittain</b>	Hospital Wide clinician led audit of patients requiring sub acute care in a large tertiary hospital
Lynn DeBar (Kaiser Permanente Centre for Health Research, Portland, USA) Meghan Mayhew (Kaiser Permanente Centre for Health Research, Portland, USA)	<b>Nicole Andrews</b>	PPACT Administrative Supplement for Research on Sleep Disturbances and Impact on Chronic Pain

## 2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
<b>Jenny Strong</b>	Fellow of the Occupational Therapy Australia Research Academy	Occupational Therapy Australia National Conference, July 2017

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL MOUNT (YEARS)
<b>Nicole Andrews</b> , Marlien Varnfield (CSIRO), David Ireland (CSIRO)	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	The development and implementation of a mobile health platform to support activity pacing implementation in chronic pain	Metro North LINK funding scheme	\$55,000	\$60 000 (2017-2018)
<b>Nicole Andrews</b>	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	Towards being able to determine how much activity is too much for individuals with chronic pain	RBWH Foundation	\$50,000	\$50 000 (2017)
<b>Andrea McKittrick</b>	Occupational Therapy	Travel grant to allied health	ANZBA travel grant	\$790	\$790 (2017)

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bagraith, KS, <b>Strong, J.</b> , Meredith, P.J., McPhail, SM. Rasch analysis supported the construct validity of self-report measures of activity and participation derived from patient ratings of the ICF low back pain core set. J Clin Epidem. 2017;84(4):161-172
Journal article	Bagraith, KS, <b>Strong, J.</b> , Meredith, P.J., McPhail, SM. Self-reported disability according to the ICF Low Back Pain Core Sets: Test-retest agreement and reliability. Disabil Health J. 2017;doi:http://dx.doi.org/10.2016/j.dhjo.2017.01.001
Journal article	Chien CW, Bagraith KS, Khan A., Deen M, Syu J-J, <b>Strong, J.</b> Establishment of cut-points to categorize the severity of chronic pain using composite ratings with Rasch analysis. Euro J of Pain 2017;21:82-91.
Journal article	Coghlan N, Copley J, Aplin T, <b>Strong J.</b> Patient Experience of Wearing Compression Garments Post Burn Injury: A Review of the Literature. J Burn Care Res. 2017;38:260-268. doi:10.1097/BCR.0000000000000506
Journal article	<b>Mc Kittrick A</b> , Kornhaber R, Harats M, Cleary M, Visentin DC, Haik J. Critical care polyneuropathy in burn injuries: An integrative review, Burns (2017), <a href="http://dx.doi.org/10.1016/j.burns.2017.07.015">http://dx.doi.org/10.1016/j.burns.2017.07.015</a>
Journal Article	Springfield E, <b>Honnelly M</b> , Bennett S. Evaluation of a simulation clinic for improving occupational therapy students' perceptions of interaction with parents and infants. The British Journal of Occupational Therapy 2017 DOI:10.1177/0308022617736504

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Meredith P, Wilson T, Brandjerporn G, <b>Strong, J.</b> , Desha L. “Not just a normal mum”: experiences of a pregnancy after loss clinic during the transition to motherhood following previous perinatal loss. BMC Pregnancy and Childhood. 2017:17(6). Doi:10.1186/s12884-016-1200-9
Letter	<b>Strong, J.</b> Letter to The Editor re article ‘Cognitive performance in women with fibromyalgia’ by de Heredia-Torres and colleagues. Australian Occupational Therapy Journal. 2017:64:83-84. Doi:10.1111/1440-1630.12354

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Brandjerporn G, Meredith PJ, Wilson T, <b>Strong J.</b> Maternal-infant attachment: Associations with sensory patterns, maternal-foetal attachment, adult attachment and mental health. Royal College of Occupational Therapy Conference, Birmingham UK, June 2017.
Poster	Brandjerporn G, Meredith PJ, Wilson T, <b>Strong J.</b> Associations between adult attachment, maternal-foetal attachment, maternal-infant attachment and maternal sensory patterns. International Attachment Conference, London, June 2017.
Oral	Brandjerporn G, Meredith PJ, <b>Strong J.</b> Infant sensory patterns: links with prenatal and postnatal maternal-child attachment. World Summit on Pediatrics, Rome, June 2017.
Invited	<b>Strong J.</b> , Hoey S. Injured workers: Workers’ compensation and shattered lives. Topical session, Annual Scientific Meeting of the Australian Pain Society, Adelaide, April 2017
Poster	<b>Laracy S, Tornatore G, Rowland T, Lewis B.</b> Clinical Auditing: A Partnership to improve standards of Occupational Therapy practice in stroke care. Australian Association Occupational Therapy National Conference, July 2017.
Poster	<b>Laracy S,</b> Ross L, Green K. Primary Contact Occupational Therapy Hands : pilot outcomes of a model of care for the conservative management of chronic orthopaedic hand conditions: a prospective cohort study. Australian Association Occupational Therapy National Conference, July 2017
Poster	<b>Dorman R, Laracy S, Tornatore G.</b> The introduction of a delegation framework into the practice of Occupational Therapy Assistants in a rehabilitation setting. Australian Association Occupational Therapy National Conference, July 2017
Poster	<b>Tornatore G, Laracy S.</b> Rehabilitation Outpatient Services – Reaching up for best practice. Australian Association Occupational Therapy National Conference, July 2017.
Oral	Meredith P, Brandjerporn G, <b>Strong J.</b> Exploring the relationship between maternal-foetal attachment, sensory processing, romantic attachment styles, and mental health, Australian Association Occupational Therapy National Conference, July 2017.
Oral & Poster	<b>Mc Kittrick A,</b> Kornhaber K, Visentin D, Cleary M, Haik J, Harati M. Considerations for treatment, diagnosis and risk factors for critical care polyneuropathy, ANZBA, October 2017, Adelaide.
Poster	Katsu, A., Darton, A., YinChan, W., Edmonton, R., <b>Mc Kittrick, A.,</b> McSweeney, M., Templeton, C., Thompson, K., Wardrope, L., & Nicks, S. Fitting the pieces together: education, outreach and optimising burn rehabilitation across NSW and beyond. ANZBA, October 2017, Adelaide.

## OTHER COMMUNICATIONS AND OUTPUTS:

Nicole Andrews, Invited Presentation at Burns Life “Chronic Pain” 31/08/2017

Nicole Coghlan, Invited Presentation at Burns Life “The patient experience with compression garments 28/09/2017

# PHYSIOTHERAPY

---

## Aims of research group / department

The Department of Physiotherapy research program is diverse and is reflective of the broad range of physiotherapy services delivered to both inpatients and outpatients of the RBWH who have or potentially have an underlying movement dysfunction. Services are provided across a range of quaternary, tertiary and secondary services including medicine, surgery, neurosurgery, orthopaedics, critical care, burns, rehabilitation, trauma services, oncology, obstetrics, gynaecology, neonatology and other musculoskeletal, neurological and cardiorespiratory specialties. The physiotherapy research program is aimed at establishing and embedding a culture of exploration and inquiry, that encourages all staff to participate in the process of improving both the clinical outcomes of clients, and the effectiveness and efficiency of physiotherapy services

## Clinical benefits of research / how does your research help your patients

The high level of collaboration between dedicated research staff and physiotherapy clinical teams ensures that the translation of research into clinical practice is central to the program and can deliver immediate benefits to patients. Research highlights for 2017 include:

- continued research into primary contact physiotherapy services in pelvic health, vestibular and musculoskeletal conditions
  - to establish clinical effectiveness, service performance and training pathways
- expanded research into telerehabilitation for patients with complex non-surgical musculoskeletal conditions, who live in geographically remote locations focussing on diagnostic accuracy, clinician knowledge and acceptance and service implementation.
- continuation of physiotherapy extended scope of practice research investigating the safety and satisfaction of physiotherapy prescribing
- a range of research projects aimed at improving outcomes and rehabilitation models for patients with sepsis
- a wide variety of studies investigating cardiorespiratory interventions and outcomes in critical care and burns populations

In addition to these particular research areas of focus, projects investigating heart failure management, 3-dimensional motion analysis for babies and patients with burns, lymphoedema, acute back pain management, geriatric rehabilitation and pre-entry student education have contributed to improving the level of physiotherapy service provided.

## Achievements

2017 was another successful research year for the Department of Physiotherapy with 21 peer reviewed publications, 23 national and international conference presentations and over \$260,000 in competitive grant funding awarded to research staff. Four physiotherapy department staff are currently completing research higher degrees. Associate Professor Jennifer Paratz was further recognised for her ongoing commitment and achievement in research, receiving a Highly Commended Clinical Research Award in the 2017 Metro North Research Excellence Awards.

## Research Collaborations

The Department of Physiotherapy continues to enjoy strong research collaborations at a local, national and international level. In particular, Conjoint Research Fellow positions with Griffith University (Assoc Prof Jenny Paratz) and the University of Queensland (Dr Shaun O'Leary) continued in 2017 with significant benefit to physiotherapy research output through both their individual research programs and the engagement of clinical staff in research activities. The department has a clear vision to build on this by further developing the engagement of all physiotherapy staff in research activities that span the full range of clinical services provided.

## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Alan Wan	PhD UQ (2016-2019)	Movement Evoked Pain Sensitivity in Chronic Spinal Pain	<b>Shaun O'Leary</b> , Michael Sullivan, Michelle Sterling
Deokhoon Jun	PhD UQ (2013-2017)	A longitudinal study of risk factors for neck pain in office workers. workers	<b>Shaun O'Leary</b> , Venerina Johnston, Steven McPhail
Elise Gane	PhD UQ (2013-2017)	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer.	<b>Shaun O'Leary</b> , Steven McPhail, Anna Hatton
<b>Ian Parker</b>	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 (2016-2018)	Haemodynamic measurement in mobility post cardiac surgery	<b>Jennifer Paratz</b> , James Walsh
Judith Bellapart	PhD UQ (2013-2017)	Cerebral microcirculation in head injury: an ovine model	John Fraser, Jennifer Paratz, Rob Boots
Julie Adsett	PhD, Griffith (2013-2018)	Safety and efficacy of aquatic exercise in stable heart failure	Norm Morris, Allison Mudge, <b>Jennifer Paratz</b>
Khalid Jaber	MPhil UQ (2015-2017)	Pain sensory and psychological predictors of response to total knee replacement:	<b>Shaun O'Leary</b> , Michael McAuliffe, Michelle Sterling
Lauren O'Connor	PhD, Griffith (2015-2018)	The effect of the Passy Muir valve on postural retraining	<b>Jennifer Paratz</b> , Norm Morris
Maureen Peasy	MPhil, Griffith (2015-2017)	Physical activity in COPD	<b>Jennifer Paratz</b> , Norm Morris
<b>Michelle Cottrell</b>	PhD, UQ 2015-2019	Evaluating the impact of a telerehabilitation model of care in an orthopaedic physiotherapy-led screening clinic & multidisciplinary service	Trevor Russell, <b>Shaun O'Leary</b> , Anne J Hill, <b>Tracy Comans</b>
Michelle McGrath	MPhil, QUT (2014-2017)	"The use of 3 dimensional motion analysis to determine whether quantitative criteria can be found for the Precht's Qualitative Assessment Method of General Movement (GMsA) classifications of writhing and fidgeting in the normative infant population"	Ian Turner, <b>Robyn Grote</b> , Joe Young Mark Percy
Olivia Galea	PhD UQ (2015-2018)	The role of cervical musculoskeletal impairment in concussion	<b>Shaun O'Leary</b> , Julia Trelevan
Orlando Flores	PhD UQ (2014-2018)	Metabolism in Burns	<b>Jennifer Paratz</b> , Kellie Stockton, Zephania Tyack
<b>Peter Window</b>	PhD UQ (2013-2017)	2D motion analysis measurements in low back pain	Shaun O'Leary, Kylie Tucker, Paul Hodges, Trevor Russell
Rebecca Kelly	MPhil, Griffith (2015-2017)	Factors predicting daily physical activity post heart transplantation	<b>Jennifer Paratz</b> , Norm Morris

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Xiaoqi Chen	PhD UQ (2013-2017)	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel	Venerina Johnston, <b>Shaun O'Leary</b>
Yaheli Bet-Or	PhD UQ (2013-2017)	Is there a difference in scapular kinematics between healthy controls and people with chronic neck pain?	Venerina Johnston, <b>Shaun O'Leary</b>

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Jennifer Paratz	Conjoint Principal Research Fellow	Multiple projects in the area of ICU and Burns	Griffith University (2014 -2019)
Shaun O'Leary	Conjoint Fellow	Multiple projects in the area of Musculoskeletal Physiotherapy and supervision of Honours, Masters & PHD students.	University of Queensland (2016-2018)
Robyn Grote	Principal Research Fellow Qld Motion Analysis Centre, RBWH Adjunct Professor, Faculty of Health, QUT Honorary Senior Fellow, UQ Centre for Clinical Research	Projects in 3-dimensional motion analysis in newborns , & patients with severe burns, investigation of the use of 3D motion capture & virtual reality as a treatment for patients with trauma. Cost-effective analysis of the use of 3-dimensional gait analysis in the treatment of severe burns. The development of a hypertonicity register for patients in S-E Qld.	University of Queensland (2010- current) Queensland University of Technology ( 2016- current)

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

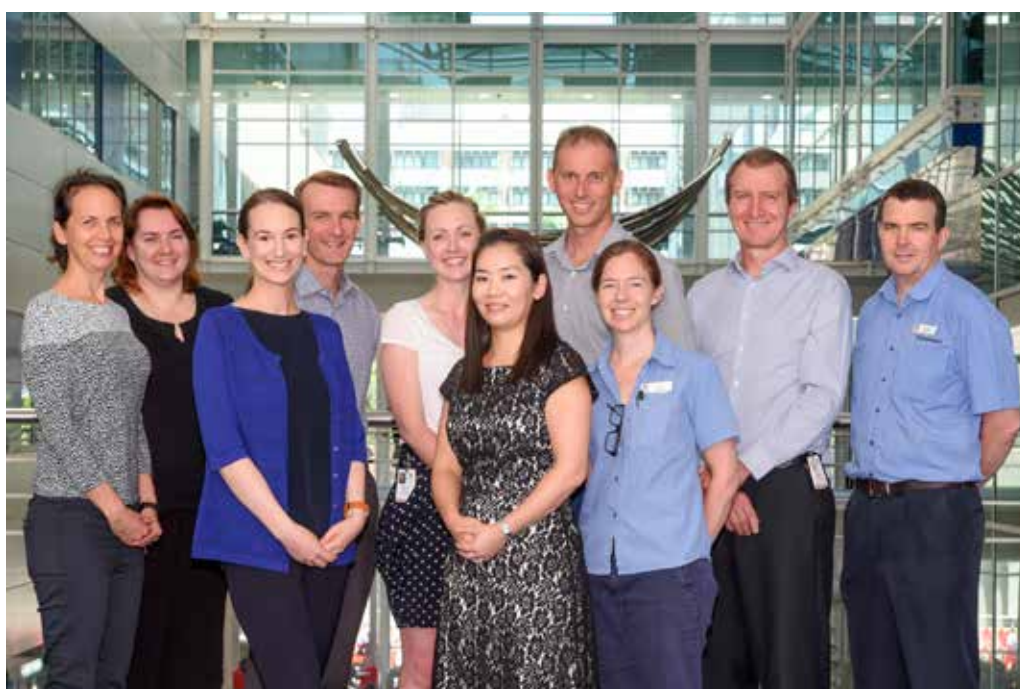
RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Helen Edwards	Janelle Greitschus (QEII), Jenny Nucifora (GCUH), <b>Sonia Sam</b> , Susanne Keys (ACU)	Effectiveness of a Gynaecology Physiotherapy Screening Clinic (GPSC) in improving health outcomes and access to care for women on gynaecology outpatient waiting lists
Hildegard Reul Hirche	<b>Jennifer Paratz, Sonia Sam</b>	Risk factors in lymphodema



RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Jennifer Paratz	Rob Boots (Thoracic Medicine), Justin Kenardy (UQ CONROD), Fiona Coyer (RBWH & QUT Nursing), <b>Peter Thomas</b> , Tracy Comans (CAHR), Jack Iwashyna (University of Michigan), Ignacio Martin-Loaches (University of Dublin), Carol Hodgson (Monash University), Bernadette Bissett (Canberra University)	Improving the outcome of sepsis: RCT
Jennifer Paratz	Geetha Kayambu (national University Hospital, Singapore), Rob Boots (Thoracic Medicine)	i-perform - Early rehabilitation in sepsis
Jennifer Paratz	<b>Peter Thomas</b> , Kellie Stockton (LCCH)	Saline installation in respiratory therapy in ICU, a crossover study
Jennifer Paratz	Rob Boots (Thoracic Medicine), Michael Muller (Surgery), Rajeew Hegde (ICU)	Inhalation and right heart failure in burns
Jennifer Paratz	Jason Roberts (UQ, Pharmacy), Michael Muller (Surgery), Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine), Orlando Flores (UQ Medicine)	Beta blocker therapy in burns: an RCT
Jennifer Paratz	Michael Muller (Surgery), <b>Anita Plaza</b> , Kellie Stockton (LCCH), Jonny Younger (Cardiology), Orlando Flores (UQ, Medicine)	IMPACT- Improving physical and psychological outcomes in burns: an RCT
Jennifer Paratz	Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine)	Exercise testing in the chronic critically ill
Jennifer Paratz	Jonny Younger (Cardiology), Sanjoy Paul (QIMR), Kellie Stockton (LCCH)	Mortality in burns survivors
Jennifer Paratz	Jonny Younger (Cardiology), Sanjoy Paul (QIMR), Kellie Stockton (LCCH)	Cardiovascular disease in burn survivors
Jennifer Paratz	<b>Peter Thomas</b> , Alice Jones, George Ntoumenopolous (SUT), Antonio Torres (University of Barcelona), Gianluigi (University of Barcelona)	Location & identification of secretion retention in ICU patients
Jennifer Paratz	Michael Muller (Surgery), Rob Boots (Thoracic Medicine)	Microcirculation as an endpoint to burn resuscitation
Joanna Hargreaves	<b>Peter Thomas</b> , Garry Kirwan(QEII)	Development of a clinical educator survey tool for determining clinical placement quality - validity and reliability testing of the CPQS-E tool.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Kerina Denny	<b>Jennifer Paratz</b> , David Paterson (Infectious Diseases), Jeff Lipman (ICU), Carl Pretorious (pathology), Joel Dulhunty (ICU)	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit
Mahender Samtani	<b>Jennifer Paratz, Shaun O'Leary</b>	Management of Back Pain in DEM: an RCT
Maree Raymer	<b>Angela Chang, Shaun O'Leary</b> , Belinda Gavaghan (AHPOQ), Liza-Jane McBride (AHPOQ)	Investigating representation rates to orthopaedic and neurosurgery services in patients discharged from Physiotherapy Screening Clinics in Metro North Hospital and Health Service
Maree Raymer	<b>Nicole Moretto, Angela Chang, Shaun O'Leary</b> , Lachlan Standfield (Griffith University), Tracy Comans (CAHR)	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient Services within Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Background data collection)
Maree Raymer	<b>Angela Chang, Shaun O'Leary, Nicole Moretto</b> , Tracy Comans (CAHR), Sonya Osborne (AusHSI), Hannah Carter (AusHSI), Dean Blond (Gold Coast), Tania Cavanagh (Cairns and Hinterland), David Smith (West Moreton)	Implementing simulation modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services in the Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Implementation evaluation)
Maree Raymer	<b>Tracy Comans, Shaun O'Leary, Louise Mitchell</b>	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	<b>Patrick Swete Kelly, Tina Souvlis, Angela Chang</b> (CAHR)	Development and Implementation of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles
Mark Cruickshank	<b>Maree Raymer</b> , Deborah Lenaghan (GCUH), Darryn Marks (GCUH), <b>Sonia Sam</b> , Tania Cavanagh (Cairns Hosp), Lisa Nissen (QUT), Mark Nelson (QEII), Dean Blond (GCUH), Rod Ellem (GC HHS), Cherie Hearn (PAH), Nicole Bellet (TPCH)	Physiotherapy Defined Scope of Practice (Prescribing)
Michelle Cottrell	<b>Shaun O'Leary, Maree Raymer</b> , Anne J Hill (UQ), Trevor Russell (UQ)	Validity and diagnostic accuracy of telerehabilitation in physiotherapy-led assessments of common musculoskeletal conditions.
Michelle Cottrell	<b>Shaun O'Leary, Maree Raymer</b> , Anne J Hill (UQ), Trevor Russell (UQ)	Evaluation of clinician's knowledge, acceptance and satisfaction of an innovative telehealth model of care for the multidisciplinary management of patients with chronic musculoskeletal conditions.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Michelle Cottrell	<b>Shaun O'Leary, Maree Raymer, Anne J Hill (UQ), Tracy Comans, Mark Cruickshank, Perry Judd, Patrick Swete Kelly, Trevor Russell (UQ)</b>	Telerehabilitation in the multidisciplinary management of patients with chronic musculoskeletal conditions: a prospective cohort study
Michelle Cottrell	<b>Perry Judd, Mark Cruickshank, Maree Raymer, Shaun O'Leary, Anne Hill (UQ), Tracy Comans (CAHR), Trevor Russell (UQ)</b>	Spinal Physiotherapy Screening Clinic (SPSC) Telehealth Clinic: an evaluation of the first 2 years of service
Perry Judd	Paula Easton (Mackay Base Hospital), <b>Michelle Cottrell</b> , Angela Chang (Centre for Allied Health Research)	Delivery of Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments from RBWH to Mackay Hospital via Telehealth
Raj Singh	Suzanne Kuys (ACU), <b>Jennifer Paratz</b>	Circuit training in GEMS patients an RCT
Robyn Grote	<b>Michelle McGrath, Heidi White</b> , Bharat Phani Vaikuntam (UQ)	Cost-effective analysis of the use of 3-dimensional gait analysis in the treatment of severe burns  The development of a hypertonicity register for patients in S-E Qld  A descriptive study on the gait of patients with severe burns
Sally Wegner	<b>Jennifer Paratz</b>	Risk Factors for Readmission to the GEMS ward,
Sarah Blatchford	<b>Jennifer Paratz, Fiona Coyer (ICU Nursing), Peter Thomas</b>	Identifying Ventilator Associated Torticollis and the significance in long term mechanically ventilated patients.
Shaun O'Leary	Stephen McPhail (PAH), Tracy Comans (CAHR), <b>Maree Raymer, Asad Khan (UQ)</b>	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions



RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Shaun O'Leary	Stephen McPhail (PAH), Pim Kuipers (PAH), Megan Dalton	Do clinicians have the necessary skills to facilitate optimal utilisation of health services by patients with chronic musculoskeletal disorders?
Shaun O'Leary	Gwendolyn Jull (UQ), Stephen McPhail (PAH), Glen Volker, Peter Tonks (PAH)	Physical Therapy for Neck Pain – Are we moving in the right direction?

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Alan Wan (UQ)	<b>Shaun O'Leary</b>	Movement evoked pain sensitivity in chronic spinal pain
Boden I (Launceston General Hospital)	<b>Thomas P</b> , multiple national and international co-investigators (CHESTY Collaborative)	Chest infection prevalence following surgery
De Looze J (Internal Medicine Services – IMS)	Mary Fenn, Charles Denaro (IMS), Keshwar Baboolal (IMS), <b>Peter Buttrum</b> (Allied Health), Peter Thomas, Robyn Fox (Centre for Clinical Nursing), Thea-Grace Collier (CMORE), Alison Mudge (IMS), Jeffrey Lipman (ICU), John Gowardman (ICU)	Patients of concern at the RBWH - a prospective cohort study to define patient outcomes and risk of clinical deterioration
Deokhoon Jun (UQ)	<b>Shaun O'Leary</b>	A longitudinal study of risk factors for neck pain in office workers.
Elise Gane (UQ)	<b>Shaun O'Leary</b>	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer.
Fiona Coyer (Critical Care)	Peter Slattery (Rehabilitation Engineering), <b>Peter Thomas</b> , Greg McNamara (ICU), Chris Edwards (QUT), Jessica Ingleman (QUT), John Stephenson (University of Huddersfield), Karen Ousey (QUT)	Extreme - Exploring pressures, tissue perfusion and body positioning: A pilot evaluation among critically ill patients
Fiona Coyer (Critical Care)	Jessica Ingleman (QUT), Anthony Holley (ICU), <b>Peter Thomas</b> , Greg McNamara (ICU), Chris Edwards (QUT)	Extreme II - Critically ill patient tissue reperfusion in two body positions and varied timed periods of load. RBWH
Khalid Jaber (UQ)	<b>Shaun O'Leary</b>	Pain sensory and psychological predictors of response to total knee replacement:

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Matthew Linnane (TPCH)	Amanda Corley (TPCH), Amy Spooner (Centre for Clinical Nursing), <b>Peter Thomas</b> , Lawrence Caruana (TPCH), Oystein Tronstadt (TPCH), James Walsh (TPCH), John Fraser (TPCH)	A comparison of the effects of manual hyperinflation and ventilator hyperinflation on restoring end-expiratory lung volume after airway suctioning.
Michael Muller (Burns)	<b>Jennifer Paratz</b> , David Reutens (UQ), Hana Burianova (UQ), Joel Dulhunty (ICU)	Burn prevention, an advertising campaign utilizing functional MRI
Michelle Stute (MNHHS)	Peter Buttrum (Allied Health), Merrilyn Banks (Nutrition and Dietetics), <b>Maree Raymer</b> , Tracey Comans (CAHR), Sonia Sam (Allied Health), Nicole Moretto (Allied Health), Marita Plunkett (Allied Health)	Allied Health Specialist Clinics Project
Olivia Galea (UQ)	<b>Shaun O'Leary</b>	The role of cervical musculoskeletal impairment in concussion
Rohan Grimley (SCUH)	<b>Brita Hughes</b>	Building efficient and equitable pathways to and through rehab in stroke (BEEPRS)
Sabrina Hernandez (The Alfred Hospital)	<b>Thomas P</b> , Hodgson C (The Alfred Hospital)	Mobilisation of patients in the acute setting following aneurysmal subarachnoid haemorrhage – a survey of current practice.
Sandy Brauer (UQ, SHRS)	<b>Jennifer Paratz</b>	IMproving Physical Activity with Treadmill training following stroke: the stroke-IMPACT trial
Simon Miller (UQ Hons student)	<b>Julie Adsett</b>	Getting to the heart of the matter : What is the landscape of exercise rehabilitation for patients with HF in Australia?
Sue Berney (Austin Hospital),	<b>Jennifer Paratz</b> , Linda Denehy (University of Melbourne), Dale Needham (John Hopkins University, USA), Ramona Hopkins (Brigham Young University)	Estim cycle early rehabilitation in ICU: RCT
Venerina Johnston (UQ)	<b>Shaun O'Leary</b>	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel
Xiaoqi Chen (UQ)	<b>Shaun O'Leary</b>	Prevention and reduction of neck pain in office workers and the effect of a workplace- based intervention
Yaheli Bet-Or (UQ)	<b>Shaun O'Leary</b>	Is there a difference in scapular kinematics between healthy controls and people with chronic neck pain?

## 2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
<b>Jennifer Paratz</b>	Highly Commended (Clinical Research Award)	Metro North Research Excellence Awards 2017

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
<b>Joanna Hargreaves</b> <b>Peter Thomas</b> Garry Kirwan (QE II Hospital; Previously Griffith Uni)	RBWH Physiotherapy Dept, CELM, Griffith University	RBWH Physiotherapy Dept, CELM, Griffith University	Directors Of Physiotherapy Services Queensland - CETI	\$11,062	\$22,124 (2016 – 2017)
<b>Maree Raymer, Tracy Comans,Shaun O'Leary,</b> Angela Chang , Lachlan Standfield, Dean Blond, Tania Cavanagh, David Smith.	RBWH Physiotherapy and OPSC and MDS	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services	AusHSI Implementation Grant.	\$75,000	\$150,000 (2016 – 2017)
<b>Jennifer Paratz, Michael Muller, Anita Plaza</b>	Physiotherapy, Surgery & Burns	Improving the outcome in burns	RBWH Foundation	\$40,000	\$40,000 (2017)
Mary Fenn, Charles Denaro (IMS), Keshwar Baboolal (IMS), Peter Buttrum (Allied Health), Thomas P, Robyn Fox (Centre for Clinical Nursing), Thea-Grace Collier (CMORE), Alison Mudge (IMS), Jeffrey Lipman (ICU), John Gowardman (ICU)	Internal Medicine, Intensive Care, Nursing, Physiotherapy	Patients of concern at the RBWH - a prospective cohort study to define patient outcomes and risk of clinical deterioration	RBWH Foundation	\$40,000	\$40,000 (2017)
<b>Mark Cruickshank</b>	RBWH Physiotherapy	An investigation into prescribing by Physiotherapists	CAHRLI Pre-PhD scholarship	\$19,565	\$19,565 (2017)
<b>Mark Cruickshank, Maree Raymer,</b> Deborah Lenaghan, Darryn Marks, Sonia Sam, Tania Cavanagh, Lisa Nissen, Mark Nelson, Dean Blond, Rod Ellem, Cherie Hearn, Nicole Bellet	RBWH Physiotherapy	Physiotherapy Defined Scope of Practice (Prescribing) Trial	Allied Health Professionals Office of Queensland (AHPOQ)	\$40,542	\$81,084 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Michelle Cottrell, <b>Shaun O'Leary</b> , <b>Maree Raymer</b> , Anne J Hill, Tracy <b>Comans</b> , <b>Mark Cruickshank</b> , <b>Perry Judd</b> , <b>Patrick Swete Kelly</b> , Trevor Russell	RBWH Physiotherapy & University of Queensland	Telerehabilitation in the multidisciplinary management of patients with chronic musculoskeletal conditions: a prospective cohort study	Allied Health Professionals Office of Queensland (AHPOQ)	\$8,713.50	\$17,427 (2017 – 2018)
<b>Robyn Grote</b>	Physiotherapy	Travel Fellowship 2017	Sir Winston Churchill Memorial Trust Fellowship	\$25,200	\$25,200 (2017)

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	<b>Wegner S, Thomas P, James C.</b> Hydrotherapy for the long term ventilated patient: A case study and implications for practice. <i>Aust Crit Care</i> . 2017; doi: 10.1016/j.aucc.2017.01.001. [Epub ahead of print]
Journal article	Bet-Or Y, van den Hoorn W, Johnston V, <b>O'Leary S.</b> Reliability and validity of an acromion marker cluster for recording scapula posture at end range clavicle protraction, retraction, elevation and depression. <i>Journal of Applied Biomechanics</i> . 2017. 22; 1-19.
Journal article	Pereira MJ, Johnston V, Straker LM, Sjøgaard G, Melloh M, <b>O'Leary SP</b> , Comans TA. Association between individual and work-related factors with self-reported health-related productivity losses in office workers – an employer's perspective. <i>Journal of Occupational and Environmental Medicine</i> 2017 Jun 5. doi: 10.1097/JOM.0000000000001043
Journal article	<b>Cottrell MA</b> , Hill AJ, <b>O'Leary SP</b> , <b>Raymer ME</b> , Russell TG. Patients are willing to use telehealth for the multidisciplinary management of chronic musculoskeletal conditions: A cross-sectional survey. <i>Journal of Telemedicine and Telecare</i> . 2017;Jan 1 doi: 10.1177/1357633X17706605.
Journal article	<b>Chang AT</b> , Gavanagh B, <b>O'Leary S</b> , McBride LJ, <b>Raymer M.</b> Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? <i>Australian Health Review</i> . 2017 May 15. doi: 10.1071/AH16222
Journal Article	Jun D, Michaleff ZA, Johnston V, <b>O'Leary S.</b> Physical risk factors for developing non-specific neck pain in office workers: A systematic review and meta-analysis. <i>International Archives of Occupational and Environmental Health</i> . 2017 Feb 21. doi: 10.1007/s00420-017-1205-3. [Epub ahead of print]
Journal article	Gane EM, Michaleff ZA, <b>Cottrell MA</b> , McPhail SM, Hatton AL, Panizza B, O'Leary SP. Prevalence, incidence, and risk factors for shoulder and neck dysfunction after neck dissection: A systematic review. <i>European Journal of Surgical Oncology</i> . 2016 Nov 17. pii: S0748-7983(16)30966-0. doi: 10.1016/j.ejso.2016.10.026. [Epub ahead of print].
Letter	Hayes SC, Janda M, Ward LC, <b>Reul-Hirche H</b> , Steele ML, Carter J, Quinn M, Cornish B, Obermair A. Lymphedema following gynecological cancer: results from a prospective, longitudinal cohort study on prevalence, incidence and risk factors. <i>Gynecologic Oncology</i> 2017 June 16 [Epub ahead of print]. <a href="https://doi.org/10.1016/j.ygyno.2017.06.004">https://doi.org/10.1016/j.ygyno.2017.06.004</a>
Journal article	Leung B, Stockton K, Muller M, Younger J, <b>Paratz J</b> Cardiovascular risk profile in burn survivors <i>Burns</i> 2017 Aug 7. pii: S0305-4179(17)30394-7. doi: 10.1016/j.burns.2017.07.010. [Epub ahead of print]
Journal article	Ault P, Plaza A, <b>Paratz J</b> Scar massage for hypertrophic burns scarring—A systematic review <i>Burns</i> 2017 Jun 29. pii: S0305-4179(17)30296-6. doi: 10.1016/j.burns.2017.05.006. [Epub ahead of print] Review

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Ntoumenopoulos G, Hammond N, Watts NR, Thompson K, Hanlon G, <b>Paratz JD</b> , Thomas P. Secretion clearance strategies in Australian and New Zealand Intensive Care Units. George Institute for Global Health and the Australian and New Zealand Intensive Care Society Clinical Trials Group. <b>Aust Crit Care</b> . 2017 Jun 26. pii: S1036-7314(17)30197-2. doi: 10.1016/j.aucc.2017.06.002. [Epub ahead of print]
Journal article	Caruana LR, Barnett AG, Tronstad O, <b>Paratz JD</b> , Chang AT, Fraser JF. Global tidal variations, regional distribution of ventilation, and the regional onset of filling determined by electrical impedance tomography: reproducibility. <b>Anaesth Intensive Care</b> . 2017 Mar;45(2):235-243
Journal article	<b>Cottrell MA</b> , Hill AJ, <b>O'Leary SP</b> , <b>Raymer M</b> , Russell TG. Service provider perceptions of telerehabilitation as an additional model of care within an Australian physiotherapy-led orthopaedic screening clinic: a qualitative study. <i>Musculoskeletal Science &amp; Practice</i> . (2017) 32:7-16. doi: 10.1016/j.msksp.2017.07.008
Journal article	Comans TA, <b>Chang AT</b> , Standfield L, Knowles D, <b>O'Leary S</b> , <b>Raymer M</b> . The development and practical application of a simulation model to inform musculoskeletal service delivery in an Australian public health service. <i>Operations Research for HealthCare</i> . <a href="https://doi.org/10.1016/j.orhc.2017.07.002">https://doi.org/10.1016/j.orhc.2017.07.002</a> Epub ahead of print.
Journal article	Stute M, Moretto N, <b>Raymer M</b> , Banks M, Buttrum P, <b>Sam S</b> , Bhagwat M, Comans T. Process to establish 11 primary contact allied health pathways in a public health service. <i>Australian Health Review</i> ; <a href="http://dx.doi.org/10.1071/AH16206">http://dx.doi.org/10.1071/AH16206</a> . Epub ahead of print
Journal article	Miller S, Mandrusiak A, <b>Adsett J</b> . Getting to the heart of the matter: What is the current landscape of exercise rehabilitation for people with heart failure in Australia. <i>Heart Lung Circ</i> . 2017. Sep 25. pii: S1443-9506(17)31391-4. doi: 10.1016/j.hlc.2017.08.016.
Journal article	Tyack, Z, Kimble, R, McPhail, S, <b>Plaza, A</b> and Simons, M. Psychometric properties of the Brisbane Burn Scar Impact Profile in adults with burns scars. <i>PLOS one</i> . 2017 September 13. <a href="https://doi.org/10.1371/journal.pone.0184452">https://doi.org/10.1371/journal.pone.0184452</a>
Journal article	Xiaoqi C, Coombes BK, Sjøgaard G, Jun D, <b>O'Leary S</b> , Johnston V. Workplace-based interventions for neck pain in office workers: a systematic review and meta-analysis. <i>Physical Therapy</i> Oct 23. doi: 10.1093/ptj/pzx101.
Journal article	Gane EM, McPhail SM, Hatton AL, Panizza BJ, <b>O'Leary SP</b> . Predictors of health-related quality of life in patients treated with neck dissection for head and neck cancer. <i>Eur Arch Otorhinolaryngol</i> . Dec;274(12):4183-4193. doi: 10.1007/s00405-017-4754-x. Epub 2017 Sep 22.
Journal article	Boyd J, <b>Paratz J</b> , Tronstad O, Caruana L, McCormack P, Walsh J. When is it safe to exercise mechanically ventilated patients in the intensive care unit? An evaluation of consensus recommendations in a cardiothoracic setting. <i>Heart Lung</i> . 2017 Dec 12. pii: S0147-9563(17)30331-X. doi: 10.1016/j.hrtlng.2017.11.0
Journal article	Coyer F, Clark M, Slattery P, <b>Thomas P</b> , McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K (2017): Exploring pressures, tissue reperfusion and body positioning: A pilot evaluation. <i>Journal of Wound Care</i> 26(10):583-592

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral (Invited)	<b>O'Leary S</b> . Masterclass: A layered approach to evaluation and training of cervical motor function What is the best exercise for neck pain?. Keynote Address – Catelan Manual Therapy Association, Barcelona, Spain, 20th May, 2017.
Oral (Invited)	<b>O'Leary S</b> . What is the best exercise for neck pain?. Keynote Address – Catelan Manual Therapy Association, Barcelona, Spain, 20th May, 2017.
Oral (Invited)	<b>Paratz J</b> . Case Study – Sepsis Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017



TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral (Invited)	<b>Paratz J.</b> ICU Follow up clinics – current evidence Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017
Oral	<b>Window P.</b> Accuracy of 2-dimensional measures of vertical axis rotation of the pelvis using photographic media: a comparison of two methods. XXVI Congress of the International Society of Biomechanics 2017, Brisbane Australia 23rd July 2017
Oral	<b>Window P.</b> Accuracy of a novel 2-dimensional method to assess pelvis motion during movement control tests of the lumbo-pelvic-hip complex. APA Conference, Brisbane Australia 20th October 2017
Poster	Hickey A, <b>Adsett J</b> , Atherton A, Denaro C, Nunan T, Peters R. A state-wide approach to multidisciplinary care: Heart Failure Evaluation and Reporting of Outcomes (HERO). ESC HF Conference, Paris, May 2017
Oral	<b>Grote R.</b> Cost-effectiveness analysis of the utilization of 3-dimensional gait analysis (3DGA) to improve the pattern of follow-up treatment service utilization, costs and recovery of burns patients with complex movement disorders. 2017 Annual Scientific Meeting (ASM), of the Australian & New Zealand Burn Association (ANZBA), Adelaide, 24 - 27 October 2017
Oral	<b>Adsett J.</b> Getting to the Heart of the Matter: What is the landscape of HF rehabilitation in Australia? Australian Physiotherapy Association National Conference, Sydney 19-21 October 2017
Poster	Hickey A, Denaro C, Peters R, <b>Adsett J</b> , Atherton J, A state-wide approach to multidisciplinary care: Heart Failure Evaluation and Reporting of Outcomes (HERO). 2017 European Society of Cardiology (ESC) Heart Failure Congress, Paris 29 April – 2 May 2017
Oral	<b>O’Leary S.</b> How accurate is self perceived force for regulating exercise load for the neck. Musculoskeletal Physiotherapy Australia - 20th Biennial Conference, Sydney, Australia, 20 October 2017
Poster	<b>Cottrell M.</b> Telerehabilitation in the advanced practice physiotherapy assessment of patients with chronic musculoskeletal conditions: a validation study. Australian Physiotherapy Association Conference, Sydney October 2017
Oral	<b>Cottrell M.</b> Home telehealth for the non-surgical management of chronic spinal pain patients: a service evaluation. SFT-17, Brisbane October 2017
Poster	<b>Moretto N</b> , Comans T, Knowles D, Chang A, <b>O’Leary S</b> , Osbourne T, Smith D, Cavanagh T, Blond D, <b>Raymer M.</b> Meeting Outpatient wait time targets: A new approach to planning. 2017 Health Services and Policy Research Conference; Gold Coast 1-3 November 2017
Oral (invited)	<b>Paratz J</b> , Influenza in 2017 – where did it all go wrong? QPCR Annual conference November, 2017, Brisbane
Oral (Invited)	<b>Thomas P.</b> Case Study – Sepsis. Allied Health Workshop, Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017
Oral (invited)	<b>Thomas P.</b> Year in review – Surgery. Australian Physiotherapy Association National Conference, October 2017.
Oral (invited)	<b>Thomas P.</b> Are medical and surgical patients active enough? Australian Physiotherapy Association Cardiorespiratory Physiotherapy Australia Pre-Conference Workshop, October 2017.
Oral (invited)	<b>Thomas P.</b> Outcome measures – cardiorespiratory function. Australian Physiotherapy Association Cardiorespiratory Physiotherapy Australia Pre-Conference Workshop, October 2017.
Oral (invited)	<b>Thomas P.</b> What is new in ICU? Queensland Cardiorespiratory Physiotherapy Network conference, November 2017.
Poster	Schofield P, Donnelly T, <b>Paxman N</b> , Tronstad O, Thomas P. Survey of Cardiorespiratory Physiotherapy Clinical Education Placements in Queensland. Australian Physiotherapy Association National Conference, October 2017.

# PSYCHOLOGY

The Department of Psychology provides evidence-based clinical psychology services for inpatients and outpatients who are receiving hospital services for physical health problems. Psychological, emotional or behavioural factors which may influence physical health outcomes are explored with patients. Specialised psychological assessments are provided for patients with Gender Dysphoria as well as pre-surgery assessments for bariatric surgery and cochlear ear implants.

Research performed at the Department of Psychology generally falls within the domain of behavioural medicine, focussing on health behaviours and the psychological impact of disease. Applications within behavioural medicine include health promotion, symptom management and disease management. Research is undertaken by staff members with specific interest in their fields of professional practice and expertise.

Areas of research strengths within the department include Cancer Care, examining aspects related to fear of cancer recurrence and occurrence of adjustment disorder; Staff Health including evaluation of interventions for staff moral and self-compassion, with a special focus on Wellness Training for Nurses; and Neuropsychology investigating imaging correlates of emotion processing in patients with epilepsy.

## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Katie Vivian</b>	Professional Doctorate, QUT (2013 - 2017) Completed December 2017	Understanding & Treating Trauma in Bulimia Nervosa	Esben Strodl, Luke Johnson
<b>Stephanie Lawton</b>	PhD, Central Queensland University (2016 – 2024)	The dark side of imagination	Kevin Ronin, Robin Alter

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Mala McHale</b>	Honorary Fellow	Psychology	University of Queensland (2013-current)
<b>Elisabeth Hamernik</b>	Honorary Fellow	Psychology	University of Queensland (2008-current)
<b>Rosemary Argall</b>	Adjunct Associate	Psychology	University of Queensland (2016-current)

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Elisabeth Hamernik</b>	<b>Andrew Craker, Mala McHale, Maree Grier, Amanda Fairclough, Amanda Francis, Christina Beckham, Desdemona Chung, Riley O'Donohue, Claire Jensen, Susan Elis, Scott Ruddell, Anna Salzgeber</b>	Clinical utility of the DSM-5 cross-cutting measure in a medical setting

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Blum (UQCCR), J Scott (UQCCR), G Robison (UQCCR), D Gillis (UQCCR), G McKeon (UQCCR), A Ryan (UQCCR) M Connell (UQCCR)	<b>Donna Spooner</b>	Anti-NMDA-receptor encephalitis: An Australian case series examining patterns and predictors of cognitive outcomes.
Maryam Ziaei (UQ), David Reutens (UQ and Neurology)	<b>Kate Thompson</b>	Social-cognitive functioning among patients with epilepsy
Louise Cullen (DEM), Carol Jeffreys (DEM), Caitlin Lock (DEM), Emily Brownhill (DEM)	<b>Andrew Craker</b>	Wellness training for nurses in the Emergency Department
Lindy Jeffreys (Neurology)	<b>Kate Thompson</b>	Treatment and cognitive function related to oligodendrogliomas
Psycho-oncology Co-operative Research Group members: David Kissane, Haryana Dhillon, Joanne Shaw, Kim Hobbs, Laura Kirsten, Lia Beatty, Carrie Lethborg	<b>Maree Grier</b>	Adjustment Working Group for the PoCoG transforming psychosocial care of Patients in Australia: Implementation of a comprehensive training and service delivery program Stage 1.
Hilary Jimmieson (Nutrition and Dietetics)	<b>Riley O'Donohue</b>	Quality improvement project: Development and provision of salt education group for individuals with chronic kidney disease

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Maryam Ziaei (UQ), <b>Kate Thompson</b> , David C. Reutens	Psychology & neurology	Social-cognitive functioning among patients with epilepsy	RBWH Hospital Foundation	\$29,970	\$59,940 (UQ and Neurology)

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Dwan T, Ownsworth T, Donovan C, <b>Lo A</b> . Reliability of the NEO Five Factor Inventory short form for assessing personality after stroke. <i>International Psychogeriatrics</i> (2017) 29(7), 1157-1168
Book chapter	<b>Lo A</b> (2017). Lifestyle Factors on Depression, Effects of. In N.A Pachana (Ed.), <i>Encyclopedia of Geropsychology</i> (pp.1-9). Singapore: Springer Singapore.

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Pender, Csurhes, Smith, Douglas, Neller, Beagley, Rehan, Hopkins, <b>Thompson Kate</b> , Blum, Green, Ionnides, Coulthard, Hooper, Burrow, Rajiv (2017). Symptomatic and objective clinical improvement in progressive Multiple Sclerosis patients treated with autologous Epstein-Barr virus-specific T cell therapy: Interim results of a phase I trial. American Academy of Neurology 2017 Annual Meeting in Boston, USA, April 2017
Oral Invited	<b>Craker A</b> (2017). Stress, Coping and Self Care” Australasian Genetic Counsellors (ASGC) Conference. Brisbane August 2017

# REHABILITATION ENGINEERING

The Rehabilitation Engineering Centre has continued to expand on its' major research themes of service delivery and materials properties.

In service delivery the team has continued to investigate ways to improve the service reach to patients through telehealth. A major focus of the new work has been the use of 3D imaging technologies to enhance the telehealth consultation, improve the documentation of cases and as a possible method of transferring data into physical devices using advanced manufacturing techniques such as additive manufacture. In addition to this we have begun a new service review process looking to map the direct and indirect health benefits of rehabilitation engineering interventions for patients. The preliminary work in this area is expected to run for 12 months with the hope of identifying key areas for further work. All of this work was presented in local conferences through 2017.

The REC has continued to collaborate with staff and students from Queensland University of Technology and now James Cook University in the development of materials testing equipment to inform seating design. 2017 finally saw the commissioning of our long awaited cyclic testing rig which it is hoped will provide a wealth of data and collaboration opportunities over the coming years. The preliminary work was presented in an international conference in July.

While Rehabilitation Engineering has a strong focus on assistive technologies related to mobility and seating, we have been lucky enough to be invited to participate in a broad range of collaboration with other disciplines and with other units within the local area as well as nationally and internationally. This has resulted in a contribution to two papers in international journals in 2017. These collaboration opportunities are invaluable in helping to enhance the research skills of our small team and we look forward to more opportunities opening up to us in the coming years.

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Peter Slattery	Adjunct Associate Professor	Science and Engineering Faculty	QUT (2012 – current)

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Shailendra Maharaj (LCCH)	Peter Slattery (Rehabilitation Engineering)	Tele-Rehabilitation Engineering
Gunther Paul (James Cook University)	Peter Slattery (Rehabilitation Engineering)	Seating cushion design simulation

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Friesen E, <b>Slattery P</b> , Walker L. Assistive technology in transition readiness assessment instruments for adolescents with physical disability: A scoping review. International J Child and Adolescent Health. 2017; 10(3)
Journal Article	Coyer F, Clark M, <b>Slattery P</b> , Thomas P, McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K. Exploring pressures, tissue reperfusion and body positioning: a pilot evaluation. J Wound Care. 2017 Oct 2;26(10):583-592.

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Sivakumar A, <b>Slattery P</b> , Paul G. Virtualization in physical ergonomics: Seat indenter testing rig. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), the Westin Bonaventure Hotel, Los Angeles, California, USA July 17-21, 2017

The Social Work Department’s vision is to conduct research that captures the psycho-social dimensions of clinical

# SOCIAL WORK

practice and, most importantly, improves psycho-social outcomes for patients and their families. We aim to be a leader in our field by developing evidence based social work services that are responsive to patients' needs and mitigate social disadvantage. To this end, we have concentrated our efforts on building the research capacity of staff through targeted training and mentoring. Research collaborations with academics from UQ and QUT have also enabled staff to learn about the research process from the vantage point of participants.

A key research focus of 2017 was an evaluation of the long stay patient project that we initiated in 2016 after being awarded a SEED innovation grant. An important outcome of this project was the development of a senior social work led model of care to address psychosocial barriers to discharge faced by long stay patients. We collaborated with the Australian Centre for Health Services Innovation (AushSI) to evaluate the model of care, focusing on its cost-effectiveness in reducing length of stay. Notably, this is the first study of its kind to examine the role of social work in acute care settings through an economic lens. The project received further recognition through a QuARRIES Service Line Award and was showcased at the National Allied Health Conference in Sydney in August .

Another key initiative was our collaboration with social work researchers from the University of Queensland to pilot a psychosocial acuity scale which will assist our social workers prioritise patients' clinical needs and plan resource allocation. Along with identifying clinical areas of high, medium and low psychosocial acuity, the tool can be used to investigate the relationship between acuity and time spent with each patient. This work is ongoing with the first stage of the project focused on training staff on how to use the scale followed by a six week trial.

Work on the evaluation of our Sexual Assault Response Team (SART) service which commenced in 2016 continued into 2017. Social work students on placement with SART have played an active role in all phases of the evaluation, enabling them to further develop their research skills and learn how to translate research findings into practice.

Other notable achievements for 2017 included the awarding of an RBWH Foundation grant to Martha Druery to explore quality of life outcomes for adults with major burn injuries, and collaborative research with the Emergency and Trauma Centre which highlighted the pivotal role played by social workers in responding to domestic and family violence.

## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Mithila Karmaker	PhD, UQ (2017)	The housing pathways of Bangladeshi immigrants during the process of settling in Australia	<b>Gai Harrison</b> Jill Wilson Judith Griffiths

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Angela O'Malia	Adjunct Senior Lecturer	School of Nursing, Midwifery & Social Work	UQ (3 yrs) 2016-2018
Gai Harrison	Honorary Senior Lecturer	School of Nursing, Midwifery & Social Work	UQ (3 yrs) 2016-2018

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Angela O'Malia</b>	Adrian Barnett (AusHSI) Sonya Osborne (AusHSI) Hannah Carter (AusHSI) <b>Gai Harrison</b> (social work)	The long stay patient seed project: Evaluation of the senior social worker led model of care in reducing length of stay for patients at RBWH
<b>Vanessa Walker</b>	<b>Erin Vaughan (social work)</b> <b>Gai Harrison (social work)</b>	Evaluation of the Sexual Assault Response Team (SART) Service
<b>Suzette Fox</b>	Greg Lewis (social work)	Living With and Beyond Treatment for Head and Neck Cancer
<b>Angela O'Malia</b> <b>Gai Harrison</b>	Karen Healy (UQ) Jill Wilson (UQ) John Drayton (UQ) Maree Peterson (UQ) Robyne LeBrocque (UQ)	Piloting a psychosocial acuity scale in social work at RBWH
<b>Martha Druery</b>	Peter Newcombe (UQ) Cate Cameron (Griffith University) Jeffrey Lipman (UQ)	Quality of Life outcomes post-major burn injuries in adults – a longitudinal exploratory study

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alex Markwell (Emergency Trauma Centre, ETC)	<b>Angela O'Malia (Social Work)</b> , Tegwen Howell (ETC), Carol Windsor (QUT), Anthony Bell (ETC), Kevin Chu (ETC)	Describing the experiences of social workers in a tertiary ED
Adrienne Young (Nutrition and Dietetics, RBWH)	Carrie-Anne Lewis (Nutrition and Dietetics), <b>Gai Harrison (Social Work)</b> , Claire Dux (Nutrition and Dietetics), Rachana Naidu (Nutrition and Dietetics), Rajeswari Badwa (Nutrition and Dietetics), Jessica Fry (Nutrition and Dietetics), Liliana Botero (Nutrition and Dietetics), Merylyn Banks (Nutrition and Dietetics)	Exploring the roles and values of dietetic assistants at RBWH

## 2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Angela O'Malia, Sarah Napier	QuARRIES Service Line Award (Overcoming psychosocial barriers of long-stay patients)	QuARRIES Awards, RBWH, 20 July 2017



## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
<b>Martha Druery</b> , Michael Rudd, Peter Newcombe, Cate Cameron, Jeffrey Lipman, Jennifer Paratz	Burns Trauma and Critical Care Research Centre (UQ)	Quality of Life outcomes post-major burn injuries in adults – a longitudinal exploratory study.	RBWH Foundation	\$40,000	\$40,000 (2017)

## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	<b>Druery M</b> , Newcombe PA, Cameron CM, Lipman J. Factors influencing psychological, social and health outcomes after major burn injuries in adults: cohort study protocol. <i>BMJ Open</i> . 2017; 7:e017545. doi:10.1136/bmjopen-2017-017545.
Book chapter	<b>Harrison G</b> , Felton K. International students, inclusion and professional field placements. In: Barton, G, Hartwig, K, editors. <i>Profession learning in the work place for international students: Exploring theory and practice</i> . Switzerland: Springer International; 2017.

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	<b>Pham, L</b> . Haemodialysis Engagement Program trial: A holistic approach to improve patient wellbeing, Renal Society of Australasia Conference, June, 2017
Oral	<b>O'Malia, A</b> . Overcoming the discharge barriers of long stay patients: The implementation of an innovative social worker led model of care in a hospital setting. 12th National Allied Health Conference, Sydney, 26-29 August, 2017.



# SPEECH PATHOLOGY AND AUDIOLOGY

The Speech Pathology and Audiology Department provides tertiary and quaternary level clinical services to adult inpatients and outpatients with swallowing and/or communication disorders of varying complexity and aetiology as well as providing audiology services to patients with otologic conditions. Services are provided at the RBWH Acute Hospital, the Geriatric Evaluation and Management Unit, and the Geriatric Assessment and Rehabilitation Unit, Rosemount.

The Department participates in a range of specialist multidisciplinary teams and has a strong commitment to clinical research and student education. In particular, the Speech Pathology and Audiology Department has established key research partnerships with the UQ Centre for Clinical Research & School of Health and Rehabilitation Sciences resulting in ongoing collaborative research projects.

Key research areas include:

- Head and Neck Cancer – intervention, models of care and outcomes of patients following surgery and/or chemotherapy/radiotherapy
- Neurology and Stroke- assessment of aphasia, intensity of aphasia rehabilitation
- Dysphagia – dysphagia screening, instrumental assessment, swallowing rehabilitation
- Telehealth and telerehabilitation
- Rehabilitation
- Tracheostomy
- Cochlear implant

## Highlights of 2017:

In 2017, the Speech Pathology and Audiology research program continued to expand and develop. Our research outcomes were achieved through extensive existing collaborations and the committed clinicians engaged in research across all of our teams. Highlights included Dr Clare Burns being awarded the RBWH Foundation Patricia Duke Post Doctoral Fellowship as well as receiving the award for best presentation at the Success and Failures in Telehealth Conference. Other awards included Leisa Turkington being awarded the CAHRLI New Researcher Award and Annette Collins being awarded the HP Research Award at the RBWH Symposium. Our department also celebrated the PhD completions of Dr Alexia Rohde and Dr Kylie Wall.

Further highlights included the establishment of a Speech Pathology Research Co-ordinator position. We are proud of the growth in the research capacity across our teams and the number of novice clinician researchers embarking on innovative research projects. Indeed, Speech Pathology and Audiology have a strong commitment to developing our “clinician researchers of the future”.

## Benefits for clinical practice:

We have a clear vision to undertake research which translates into real benefits for our consumers and we are committed to rigorous evaluation of new innovative models of care (e.g., telehealth, aphasia rehabilitation models). We look forward to building on the achievements of 2017 in the coming years.

## SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
<b>Laura Moroney</b>	PhD, UQ (2015-2018)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy	Liz Ward, Jane Crombie, <b>Clare Burns</b>
<b>Alexia Rohde</b>	PhD, UQ (2012-2017) Degree conferred 6 October 2017	Evidence-based identification of aphasia using a rational clinical examination approach	Linda Worrall, Robyn O'Halloran, Erin Godecke, <b>Anna Farrell</b>
<b>Leisa Turkington</b>	PhD, UQ (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, <b>Anna Farrell</b>
<b>Shana Taubert</b>	PhD, UQ (2016-2020)	Videofluoroscopic Swallow Studies: Education and training approaches	Liz Ward, <b>Clare Burns</b>
<b>Georgia Thomas</b>	PhD, UQ (2014-2017)	Language Outcomes in patients with Brain Tumours	Dave Copland, Katie McMahon
<b>Kylie Wall</b>	PhD, UQ (2014-2017) Degree conferred 7 December 2017	Cognitive changes in people after stroke	Dave Copland, Katie McMahon

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

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
<b>Clare Burns</b>	Honorary Lecturer, Speech Pathology	School of Health and Rehabilitation Sciences	University of Queensland (2017-2020)
<b>Anna Farrell</b>	Honorary Lecturer, Speech Pathology	School of Health and Rehabilitation Sciences	University of Queensland (2017-2020)
<b>Alice Pender</b>	Honorary Associate Lecturer, Audiology	Audiology, School of Health and Rehabilitation Sciences	University of Queensland (2016-2019)

## 2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Clare Burns</b>	Liz Ward (CFHAR; UQ), Annie Hill (UQ), <b>Lynell Bassett (Speech Pathology, SP)</b> , 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

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Annette Collins, Clare Burns, Claire Blake,</b>	Liz Ward (CFAHR; UQ), Tracy Comans (MNHHS), Lizbeth Kenny (CC), Daniel Best, Phil Greenup (Telehealth Services)	Evaluation of a telepractice model for providing in home swallowing and nutrition management for patients following head and neck cancer treatment
<b>Clare Burns</b>	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
<b>Clare Burns</b>	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)	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia
<b>Shana Taubert &amp; Clare Burns</b>	Liz Ward (CFAHR; UQ), Kelly McCarthy (PAH)	Evaluating an e-Learning program for training in Adult MBS assessment
<b>Alexia Rohde</b>	Linda Worrall (UQ), Erin Godecke (Edith Cowan), Robyn O'Halloran (La Trobe), <b>Anna Farrell (SP), Penni Burfein (SP),</b> Andrew Wong (Stroke), Genevieve Skinner (Stroke)	Evidence-based identification of aphasia using a rational clinical examination approach
<b>Anna Farrell</b>	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
<b>Leisa Turkington</b>	Liz Ward (CFHAR; UQ), <b>Anna Farrell (SP)</b>	Neurogenic dysphagia and sensory enhancement strategies
<b>Laura Moroney</b>	<b>Liz Ward (CFAHR Jane Crombie (SP), Jennifer Helios (SP), Clare Burns (SP), Ann-Louise Spurgin (SP),</b> 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
<b>Belinda Lehn, Sarah Wilson</b>	<b>Clare Burns (SP), Ann-Louise Spurgin (SP),</b> Robert Hodge (ENT), Martin Batstone (MaxFacs)	Evaluation of speech and swallowing outcomes following total laryngectomy and pharyngolaryngectomy
<b>Jane Crombie, Ann-Louise Spurgin</b>	Liz Ward (CFAHR; UQ), Stephanie Ng (UQ), Teresa Brown (Nutrition & Dietetics), Liz Kenny (CC), Brett Hughes (CC), Lee Tripcony (CC), Jacqueline Wells (CC)	RBWH Swallowing and Nutrition Guidelines for Head and Neck Cancer patients
<b>Rebecca Cremer</b>	Anna Rumbach (UQ)	Dysphagia outcomes following caustic ingestion

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
<b>Sarah Heaton, Anna Farrell</b>	Anna Rumbach (UQ) and Katrina Webster (Ipswich Hospital)	Dysphagia outcomes in Subarachnoid Haemorrhage
Lynell Bassett, Sonia Baker	Rob Boots (Medical-Tracheostomy Management Team), Nanette Paxman (Physiotherapy), Karyn Heineger (Nursing)	Evaluation of the Tracheostomy Management Team (TMT)
Lynell Bassett	Jennifer Helios (SP)	Evaluation of the First Contact Dysphagia Clinic
Carla Rose	Lynell Bassett (Speech Pathology), Sharon Kelly (ENT)	Evaluation of the First Contact Audiology Clinics
Alice Pender	Carla Rose (Audiology), Angela Chang (Centre for Allied Health Research), Tracy Comans (UQ)	Patient outcomes following cochlear implant surgery

## 2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Georgia Thomas (UQ), David Copland (UQ)	<b>Nadia Borgna (SP), Sarah Heaton (SP), Anna Farrell (SP)</b> , 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
Linda Worrall (UQ), David Copland (UQ), Melissa Lawrie (Gold Coast HHS), Liz Ward (UQ), Moya Pattie (Wesley)	<b>Penni Burfein (SP), Anna Farrell (SP)</b>	Can a new, intensive model of aphasia rehabilitation achieve better outcomes than usual care?
David Copland (UQ), Tracy Roxbury (UQ), Katie McMahon (UQ), Greig de Zubicaray (QUT), Marcus Meinzer (UQ)	<b>Penni Burfein (SP), Anna Farrell (SP)</b> , Andrew Wong (Stroke)	Predicting and Promoting Sub-Acute Aphasia Recovery
Salma Charania (TPCH), Anna Rumbach (UQ), Petrea Cornwell (Griffith University & TPCH), Rebecca Nund (UQ)	<b>Anna Farrell (SP)</b> , 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

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alicja Malicka (UQ supervisor), Anita Burgess (UQ Audiology masters Student)	<b>Carla Rose &amp; Alice Pender (Audiology)</b>	Evaluating the impact of joint Audiology-ENT clinical pathways on outpatient services and efficiencies: A quality assurance project

## 2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Leisa Turkington	CAHRLI New Researcher Award	CAHRLI Symposium, 6th June 2017
Annette Collins	HP Research Award	RBWH Healthcare Symposium, 12th-14th September 2017
Clare Burns	Best Presentation	Success and Failures in Telehealth Conference, October 2017

## 2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
<b>Clare Burns</b>	Speech Pathology and Cancer Care	Implementation and evaluation of a telehealth service providing specialist speech pathology and nutrition and dietetics intervention for patients with head and neck cancer.	Post Doctoral Fellowship Grant - RBWH Research Foundation	\$50,000	\$100,000 (2017-2018)
<b>Laura Moroney</b>	Speech Pathology and Cancer Care	Dysphagia outcomes in head and neck cancer patients undergoing tomotherapy	RBWH Foundation PhD Scholarship	\$33,884	\$33,884 (2017)
<b>Leisa Turkington</b>	Speech Pathology	Neurogenic dysphagia and sensory enhancement strategies	RBWH Foundation PhD Scholarship	\$25,000	\$25,000 (2017)
<b>Sarah Wilson</b>	Speech Pathology and Cancer Care	Examination of dysphagia following laryngectomy: A prospective evaluation of clinical and radiological assessment and patient reported outcomes	CAHRLI Pre-PhD Scholarship	\$7,904	\$7,904 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
<b>Annette Collins</b> , <b>Clare Burns</b> , Liz Ward, Anne Hill,	Speech Pathology and Cancer Care	Evaluation of a telepractice model for providing in home swallowing and nutrition management for patients following head and neck cancer treatment	HP Research Grant	\$11,405	\$22,811 (2016-2017)
<b>Anna Farrell</b> , Anna Rumbach, Stacey Verner-Wren, Robert Henderson, Nicole Hutchinson	Speech Pathology and Neurology	Patient and family carer experiences of dysphagia in Motor Neurone Disease	HP Research Grant	\$3,768	\$15,070 (2015-2017)



## 2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Ward E, Wall L, <b>Burns C</b> , Cartmill B, Hill A. Application of telepractice for head and neck cancer management: A review of speech language pathology service models. Current Opinion in Otolaryngology, Head and Neck Surgery. 2017; 25: 3, 169-174 doi:10.1097/MOO.0000000000000357
Journal Article	<b>Burns C</b> , Ward E, Hill A, Kularatna S, Byrnes J & Kenny L. Randomized controlled trial of a multisite speech pathology telepractice service providing swallowing and communication intervention to patients with head and neck cancer: Evaluation of service outcomes. Head and Neck. 2017 DOI 10.1002/hed.24706
Journal Article	<b>Moroney L</b> , <b>Helios J</b> , Ward E, <b>Crombie J</b> , Wockner L, <b>Burns C</b> , <b>Spurgin A-L</b> , Blake C, Kenny L, Hughes. Patterns of dysphagia and acute toxicities in patients with head and neck cancer undergoing helical IMRT +/- concurrent chemotherapy. Oral Oncology. 2017 64 1-8. doi:10.1016/j.oraloncology.2016.11.009
Journal Article	<b>Burns C</b> , Kularatna S, Ward E.C., Hill A, Byrnes J, Kenny L. Cost analysis of a speech pathology synchronous telepractice service for patients with head and neck cancer. Head and Neck. 2017; 1-11. DOI: 10.1002/hed.24916

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	<b>Collins A., Burns C.</b> , Ward E, Comans T., Blake C., Kenny L., Greenup P., Best D. Home based telehealth service for swallowing and nutritional management in head and neck treatment. Journal of Telemedicine and Telecare. 2017 Dec;23(10):866-872
Journal Article	Rumbach, A., & <b>Cremer, R.</b> (2017). Dysphagia and Speech-Language Pathology Involvement Following Chemical Ingestion Injury: A Review of 44 Cases Admitted to a Quaternary Australian Hospital (2008-2012). American Journal of Speech Language Pathology, 26(4): 1120-11287. doi:10.1044/2017_AJSLP-16-0075

## 2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	<b>Taubert S, Burns C.</b> , Ward E, McCarthy K, Graham N. A statewide eLearning program: Supporting the delivery of Modified Barium Swallow services. Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Invited Oral	<b>Turkington L.</b> , Ward E, <b>Farrell A.</b> The impact of carbonation on neurogenic dysphagia during VFSS (Videofluoroscopic swallow studies). Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Poster	Rumbach A & <b>Cremer R.</b> Clinical progression and outcome of altered oral intake following chemical ingestion injury: A retrospective cohort study. Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Oral	<b>Turkington L.</b> , Ward E, <b>Farrell A.</b> (2017). The impact of carbonation on neurogenic dysphagia during videofluoroscopic swallow studies (VFSS). Speech Pathology Australia National Conference; 31st May 2017; Sydney
Poster	<b>Taubert S, Burns C.</b> , Ward E, McCarthy K, Graham N. A statewide eLearning program: Supporting the delivery of Modified Barium Swallow services. Speech Pathology Australia National Conference; 31st May 2017; Sydney
Oral	<b>Burns C, Taubert S.</b> , McCarthy K, Ward E, & Graham N. MBS elearning program: Supporting a standardise approach to Modified Barium Swallow Training. Speech Pathology Australia National Conference; 31st May 2017; Sydney
Oral	Cocetti A, Rollings G, Graham N, <b>Bassett L.</b> , Walker-Smith K. (2017). Extended scope of practice: Speech pathology decision making frameworks. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	<b>Burns C.</b> , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. Evaluation of a speech pathology telepractice for patients with head and neck cancer. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	Rumbach A, <b>Cremer R.</b> , Chatwood A, Fink S, Haider S, Yee M. Dysphagia management and rehabilitation after extensive ingestion injury: A case series. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	Rumbach A, & <b>Cremer R.</b> Clinical progression and outcome of altered oral intake following chemical ingestion injury: A retrospective cohort study. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Poster	<b>Farrell A.</b> , Chang A, Banks M, Buttrum P. How much time do Allied Health clinicians spend undertaking research? National Allied Health Conference; 29 August 2017; Sydney
Oral	Paratz, J, Thomas P, <b>Baker S.</b> , Dux C., Druery, M. A patient's ICU journey with contribution from Allied Health Team. Invited oral presentation. Australian and New Zealand Intensive Care Society Annual Scientific Meeting, 11-13 Oct 2017; Gold Coast



TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	<b>Collins A, Burns C</b> , Ward E, Comans T, Blake C, Kenny L, Greenup P, Best D - Home based telehealth service for swallowing and nutritional management following head and neck cancer treatment. Oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12 October 2017; Brisbane
Oral	Stevens, M., Perry, C., Hancock, K., <b>Spurgin, A-L</b> . Laryngectomy and voice rehabilitation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 11th October 2017; Brisbane
Oral	<b>Burns C</b> , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. – A telehealth model of care for head and neck cancer. Invited oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12th October 2017; Brisbane
Oral	<b>Moroney L</b> , Ward E, <b>Helios J, Crombie J, Burns C</b> , Blake C, Kenny L, Chua B, Hughes - Transforming clinical service delivery: Implementation of the head and neck cancer low risk speech pathology pathway. Oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12th October 2017; Brisbane
Poster	<b>Wilson S</b> , Burns C, Cartmill B – Assessment and management of dysphagia following total laryngectomy and pharyngolaryngectomy within Australia: A survey of speech pathology practice patterns. Poster. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 11-12th October 2017; Brisbane
Oral	<b>Burns C</b> , Ward E, Cowie B, Saxon R, Gray A, Baker L, Bignell S, Winter N, Rusch R. -Telepractice services for the clinical assessment of adult swallowing disorders: An implementation evaluation. Oral presentation. Successes and Failures in Telehealth. 8th Annual Meeting of the Australasian Telehealth society. 30-31 October 2017; Brisbane
Poster	<b>Burns C</b> , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. – Evaluation of a speech pathology telehealth service supporting head and neck cancer. Poster. Successes and Failures in Telehealth. 8th Annual Meeting of the Australasian Telehealth society. 30-31 October 2017; Brisbane

