

# 2023 RBWH Research Report

## Allied Health



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## Allied Health Professions



**Peter Buttrum**  
**Executive Director of Allied Health Professions**

2023 saw outstanding research achievements from the Allied Health Professions (AHP) service line, which includes Audiology, Dietetics and Food Services, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Social Work and Speech Pathology, as well as the Clinical Multimedia Unit and Aboriginal and Torres Strait Islander Health Liaison Service. The overarching focus on consumer-led research and translation into practice reflects our service line's commitment to embedding gold-standard person-centred care.

In 2023 our AHP teams, supported by research champions, produced an exceptional level of research output. These successes include:

- ❖ \$11.1M of competitive research funding across 22 new projects
- ❖ 131 peer-reviewed journal articles, 2 book chapters, 1 clinical practice guideline
- ❖ 17 research awards
- ❖ 82 oral conference presentations

AHP researchers were strongly represented at the 2023 Metro North Research Excellence Awards, with Dr Teresa Brown (Dietetics and Food Services) winning the prestigious Rising Star Award and researchers from Physiotherapy, Speech Pathology and the Centre for Allied Health Research being awarded the inaugural Consumers in Research Award for their Telehealth Co-design Project. Departments also continued to build capacity and forge collaborations this year through local events, with the Physiotherapy, Psychology and Dietetics and Food Services departments each holding a Research Symposium.

Although most AHP research at RBWH is done by collaborative teams, in 2023 there were also some outstanding individual achievements. Our congratulations go to Dr Joanne Hiatt (Dietetics and Food Services), Dr Carrie-Anne Lewis (DFS), Dr Emilie Crosier (DFS) and Dr Andrea Mc Kittrick (Occupational Therapy), who were awarded PhDs, and to Dr Sarah Anderson (DFS) and Dr Clare Burns (Speech Pathology) who were both awarded research fellowships.

I am delighted with the focus on consumer engagement in research that has emerged within AHP research over the last few years, led by teams including Physiotherapy, Social Work and Speech Pathology and by Anja Christoffersen, our Consumer Representative. Given the importance placed on consumer engagement in the National Safety and Quality Health Service Standards, which guide ACHS's short notice accreditation process, these practices are vital to ensuring that we are meeting both consumer healthcare needs and governance standards.

Finally, we are grateful for our ongoing collaborations with local and international external partners, who continue to support growth in research capacity and translation. These partners include the Herston Bio-fabrication Institute, RECOVER Injury Research Centre, the Centre for Functioning and Health Research (Metro South Health), Queensland Aphasia Research Centre, the Jamieson Trauma Institute, the Australian Centre of Health Services Innovation, the University of Queensland, Griffith University, Queensland University of Technology and the University of Alberta.

# Centre for Allied Health Research

## Research highlights

The Centre for Allied Health Research provided support and training for allied health clinicians to embed high-quality research and implementation across RBWH in 2023.

A major triumph this year was the recognition of the achievements of the Metro North Telehealth Co-Design Project team, co-led by Principal Research Fellow Kelsey Pateman, in partnership with Michelle Cottrell (RBWH Physiotherapy) and Anja Christoffersen (Consumer Representative). This team won the Metro North Research Excellence Award in the “Consumer in Research” award category, a deserved reflection of the innovative work they have done in centring consumer voices and experiences in the development of telehealth services.

In preparing for RBWH’s ACHS short notice accreditation, we have been active in ensuring that quality standards covering the conduct of clinical trials and consumer involvement in research are met across allied health professions. The recent notification of RBWH’s successful accreditation outcome is testament to the high quality of research and care provision across the hospital.

Our provision of an applied AH-TRIP training scheme was well-received in 2023, with 13 attendees attending four three-hour sessions on topics including understanding an implementation problem from multiple perspectives, selecting and applying implementation science frameworks and behaviour change strategies to support implementation. This foundational training is a key step to enable clinicians to navigate the complex steps of translating research into practice. We also continued to facilitate collaboration between allied health service lines at our monthly Quality and Research Advisory Group meetings. Highlights included internal and external (UQ) guest presentations on topics including international perspectives on research implementation and cultural capability training considerations for research involving First Nations people.

Consumer Representative Anja Christoffersen has continued to champion progress in consumer engagement through her project involvement and broad advocacy. In 2023 she gave a successful presentation, “What Matters to You”, to the RBWH Executive team, and was subsequently invited to also present to the Staff Council and medical directors. In addition, she was an ambassador for International Day for People with a Disability. We look forward to continuing to work with Anja to embed consumer engagement as a core principle in all areas of care at RBWH.

In 2023 we regretfully farewelled Angela Chang, whose sterling contribution as AHP Research Coordinator over the last decade has been key to the success of the team and of enormous value to the wider AHP community. Angela will remain in Queensland Health in the Metro South Partnerships and Equity team, and we welcomed Louise Purtell into the role for 2024.

## Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
<b>Kelsey Pateman (CAHR)</b> , Anja Christoffersen (Consumer Representative), <b>Michelle Cottrell (Physiotherapy)</b> , <b>Clare Burns (Speech Pathology)</b> , Amber Jones (OT), Peter Button (Consumer Representative), Emily Arthur (MN Allied Health), Gary Power (Consumer Representative), Linda Cuskelly (Metro North), <b>Kate Dickson (RBWH SOPD)</b> , <b>Mark Cruickshank (Physiotherapy)</b>	Consumer in Research Award	Metro North Research Excellence Awards, 2023

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Helen McLaughlan (DFS), Robin Hay (DFS), Elizabeth Ryan (Physiotherapy), Andrea Cawte (DFS), Mala McHale (Psychology), Kelsey Pateman (CAHR)</b>	Dietetics & Food Services, Physiotherapy, Psychology, Centre for Allied Health Research	Paving the way: Demonstrating a health practitioner led complex obesity management pathway can improve health outcomes and develop research capacity	Office of the Chief Allied Health Officer	\$151,010	3 years 2023-2025
Claudia Lopez Silva (MNHHS Oral Health) <b>Kelsey Pateman (CAHR)</b> ; Fiona Coyer (QUT); Jeffrey Lipman (ICU RBWH) Laurie Walsh (UQ SOD); Saso Ivanovski (UQ SOD)	ICU Research; Centre for Allied Health Research; UQ School of Dentistry	Oral health in the ICU: a multidisciplinary approach to implementing a risk-based oral hygiene program in an ICU setting	Metro North	\$20,000	2 years 2022-2023

## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Kelsey Pateman</b>	<b>Angela Chang (CAHR), Susie de Jersey (DFS), Anna Farrell (MSHHS), Jenny Strong (OT), Gai Harrison (Social Work), Jennifer Paratz</b> (no longer in conjoint at RBWH), <b>Peter Buttrum (CAHR), Merrilyn Banks (DFS)</b>	Understanding research capacity and outputs in allied health workforce at RBWH	N/A
<b>Peter Buttrum</b>	<b>Shaun OLeary (Physiotherapy), Adrienne Young (N&amp;D), Diann Eley (UQ), Merrilyn Banks (N&amp;D), Mark Cruickshank (Physiotherapy)</b> James Elliot (Uni of Sydney), Nicholas Talley (Uni of Newcastle), Tracy Comans (UQ / CAHR), Scott Bell (TRI)	Sustainable career pathways for clinician-scientists in Australian public health	N/A
<b>Louise Purtell</b>	Ann Bonner (Griffith University), Kerri Gillespie (Griffith University), Balaji Hiremagular (Gold Coast Health), Lorraine Bublitz (Gold Coast Health)	Evaluation of symptoms and health-related quality of life in people receiving dialysis	N/A
<b>Louise Purtell</b>	Paul Bennett (Griffith University), Ann Bonner (Griffith University)	Multimodal approaches for inequality in kidney care: turning social determinants of health into opportunities	N/A

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Alice Pender</b> (Audiology)	<b>Carla Rose (Audiology), Angela Chang (CAHR), Tracy Comans (UQ/CAHR)</b>	Patient outcomes following cochlear implant surgery	N/A
Claudia Lopez Silva (UQ)	<b>Kelsey Pateman (CAHR)</b> ; Fiona Coyer (QUT); Jeffrey Lipman (ICU RBWH) Laurie Walsh (UQ SOD); Saso Ivanovski (UQ)	Assessing the level of adherence to current work-based guidelines in oral care for critical care patients to improve service quality	N/A

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Claudia Lopez Silva (UQ)	Laurie Walsh (UQ), Fiona Coyer (QUT), Jeffrey Lipman (UQ), <b>Kelsey Pateman (CAHR)</b> , Saso Ivanovski (UQ), Nicole Gavin (RBWH Cancer Care)	Protocol for a mixed-method study to explore factors that influence the provision of oral hygiene care to patients on mechanical ventilation: an exploratory sequential mixed methods design	N/A
<b>Emma Osland (Dietetics &amp; Food Services)</b>	<b>Kelsey Pateman (CAHR)</b> ; Jeanette Morris (PAH); Melanie Nelms (GCUH)	Oral health and behaviours of adults with chronic intestinal failure requiring Home Parenteral Nutrition	N/A
<b>Joshua Russell (UQ/RBWH Maxillofacial Surgery)</b>	<b>Kelsey Pateman (CAHR)</b> , <b>Martin Batstone (RBWH Maxillofacial Surgery)</b>	Donor Site Morbidity of Composite Free Flaps in Head & Neck Surgery: A Prospective Analysis	59
<b>Michelle Cottrell (Physiotherapy)</b>	<b>Clare Burns (Speech Pathology)</b> , Amber Jones (OT), <b>Adrienne Young (DFS)</b> , Gary Power (Consumer Representative), Anja Christoffersen (Consumer Representative), Linda Cuskelly (MN HEI), <b>Peter Buttrum (CAHR)</b> , <b>Kate Dickson (RBWH SOPD)</b> , Emily Arthur (MN Allied Health), Peter Button (Consumer Representative), <b>Kelsey Pateman (CAHR)</b>	Partnering with consumers to optimize engagement with telehealth services within Metro North Health: an experience-based co-design approach	33
<b>Michelle Cottrell (Physiotherapy)</b>	<b>Kelsey Pateman (CAHR)</b>	Determining competency and training requirements of Metro North physiotherapists providing care via telehealth	N/A
<b>Jenny Kirby (Social Work)</b>	Louise Purtell, Kelsey Pateman (CAHR), Laura Austin, Ilse Berquier, Kirsten Hepburn (Kidney Health Service)	Using co-design to develop and implement a care plan for patients and/or carers attending a Kidney Supportive Care service	5
<b>Jed Duff (QUT/RBWH Centre for Clinical Nursing)</b>	Nina Meloncelli (MN AH-TRIP), <b>Champika Patullo (Safety &amp; Implementation)</b> , <b>Louise Purtell (CAHR)</b> , Ashley Cameron (HEI), Louise D'Allura (MN Research), <b>Sarah Black (RBWH)</b> , <b>Luke Wainwright (RBWH IM)</b> , Rhiannon Barnes (Metro South), Sharon Hodby (HEI), David Rosengren	Evaluating the Helix4 Implementation Capacity Building Program	N/A
Deborah Sutherland (CKW)	<b>Louise Purtell (CAHR)</b> , Kylie Bolland (Micah Projects), Joseph Debattista (MN Public Health Unit), Judith Dean (UQ)	Evaluating an innovative model of antenatal care for young, vulnerable mothers	N/A
Wan-Shan Chiang (Griffith University)	<b>Louise Purtell (CAHR)</b> , Ann Bonner (Griffith University), Winnie Wu (Griffith University)	Non-pharmacological approaches to improving sleep quality in people with chronic kidney disease	N/A
Benita Suckling (CKW)	Ainslie Kirkegaard (QLD Justice Department), <b>Louise Purtell (CAHR)</b> , Timothy Dunn (CKW), Champika Patullo (Safety and Implementation)	Investigating the use of podcast education for coronial findings	N/A

## Research Publications

### Authors

Investigator	ORCID ID
Kelsey Pateman	<a href="https://orcid.org/0000-0002-5230-1492">https://orcid.org/0000-0002-5230-1492</a>
Peter Buttrum	

Angela Chang	<a href="https://orcid.org/0000-0002-3036-5540">https://orcid.org/0000-0002-3036-5540</a>
Louise Purtell	<a href="https://orcid.org/0000-0001-6785-0817">https://orcid.org/0000-0001-6785-0817</a>

## Publications in 2023

### Journal Articles (RBWH staff in bold)

**Pateman KA**, Christoffersen A, Hanly-Platz A, Williams C, Heffernan D, Alexander A, Ryan E, Petrie C, Banks M, Young A. Partnering with consumers to co-design a person-centred coding framework for qualitative patient experience data. *Patient Educ Couns*. 2023 Nov;116:107938. doi: 10.1016/j.pec.2023.107938

Russell J, Volker G, McGarvey D, et al. An objective analysis of composite free flap donor site morbidity in head and neck surgery: Prospective series. *Head & Neck*. 2023; 45(2): 398-408. doi:10.1002/hed.27254

Yapa HE, Chambers S, **Purtell L**, Bonner A. Impact of chronic kidney disease on everyday life: A descriptive qualitative study *Journal of Renal Care*. 2023 Aug 13. 10.1111/jorc.12478

Liu J, **Purtell L**, Bonner A. Kidney Supportive Care for Working-Age Adults with Chronic Kidney Disease: A Profile of Characteristics and Symptom Burden. *Nephron*. 2024 Jan 16;148(1):34-42. 10.1159/000531872

Yapa HE, **Purtell L**, Chambers S, Bonner A. Factors influencing health-related quality of life in people with chronic kidney disease: A structural equation modelling approach. *Journal of Clinical Nursing*. 2023 Jul;32(13-14):3445-55. 10.1111/jocn.16422.

**Purtell L**, Bennett P, Bonner A. Multimodal approaches for inequality in kidney care: turning social determinants of health into opportunities. *Current Opinion in Nephrology and Hypertension*. 2024 Jan 1;33(1):34-42. 10.1097/MNH.0000000000000936.

# Dietetics and Food Services

## Research highlights

RBWH Dietetics and Food Services continues to support development of clinician researchers, with three quarters of our department involved in research projects and publications in 2023. We had two new clinician researchers lead a peer reviewed publication as first author in 2023: **Jessica Fry** and **Evelyn Nicoll**.

2023 saw the formation and launch of the Nutrition Research Collaborative ([Nutrition Research Collaborative - Metro North Health](#)) which aims to formalise our collaborative partnerships and strengthen our position as leaders in nutrition research. Our inaugural Nutrition Research Collaborative Symposium was attended by over 100 people and highlighted our research programs in Chronic Disease, Maternal Health, Cancer Care and Malnutrition and Nutrition Support.

Our Assistant Director, **Teresa Brown**, was awarded the Rising Star Award at the Metro North Research Excellence Awards, and three of our clinician researchers were recognised through awards and prizes at National and International Conferences (**Emma Osland**, **Sarah Andersen** and **Adrienne Young**).

Three clinician researchers from our department were awarded their PhDs from the University of Queensland:

- **Dr Joanne Hiatt** for her research investigating the patient and carer experience of nutrition during and after head and neck cancer treatment to inform the co-design of support and information;
- **Dr Carrie-Anne Lewis** for her research investigating micronutrient and protein energy malnutrition outcomes in an outpatient bariatric surgery cohort; and
- **Dr Emilie Crosier** for her research investigating the nutritional outcomes of gynaecology patients undergoing pelvic radiotherapy to better understand the patient experience and how dietary interventions can improve symptom management.

Early career clinician researcher, **Dr Sarah Andersen**, was awarded one of four Metro North Clinician Research Fellowships (2023-2025) for a clinical trial exploring use of prebiotic fibre supplementation to improve patient outcomes during treatment for haematological malignancies. Other major competitive grants awarded in 2023 include Health Practitioner Research Scheme grants awarded to mid-career clinician researchers **Helen MacLaughlin**, for research implementing an allied health led complex obesity management pathway, and **Adrienne Young**, for research developing quality indicators for hospital food and nutrition services.

## Successful PhD candidates in 2023

Name	PhD Title	Month Competed	Affiliated University	Summary
<b>Joanne Hiatt</b>	Nutrition throughout head and neck cancer treatment – the patient and carer experience	March 2023	<b>University of Queensland</b>	Joanne's PhD research explored the nutrition care experience of adult patients and carers (≥18 years) throughout the trajectory of HNC treatment and survivorship and identify areas for service delivery improvement. Her longitudinal qualitative study involved individual narrative interviews at four time points (pre-treatment, and two-weeks, three-months and 12-months post treatment) with 20 patients with HNC and 15 carers of patients with HNC who were suitable for curative intent surgical and non-surgical treatment for HNC. Findings from this thesis centre around four key learnings. Firstly, information and support needs of patients and carers change from diagnosis of HNC and throughout the treatment and survivorship period. Secondly, there is inequitable access to information and support from healthcare professionals to address nutrition and supportive care needs of carers of patients having surgery. Thirdly, there is a lack of consideration of the patient-carer dyad by healthcare professionals when planning and delivering care. Lastly, improving the experiences of patients and carers relies on relationship building with research participants to understand the problems they are facing.





Name	PhD Title	Month Competed	Affiliated University	Summary
<b>Emilie Croisier</b>	Nutritional outcomes of gynaecology patients undergoing pelvic radiotherapy: understanding the patient experience and dietary recommendations for symptom management	October 2023	<b>University of Queensland</b>	Emilie's PhD research investigated the nutritional implications of pelvic radiotherapy in patients with gynaecological cancers, to better understand the role of soluble fibre and the dietary management of diarrhoea in practice. This research has demonstrated the need for specialised dietetic involvement to address the large proportion of malnourished and/or at-risk patients presenting before and during treatment due to the high prevalence of nutrition impact symptoms (diarrhoea, fatigue, nausea, pain). The benefits of individualised nutrition counselling to support adherence to dietary changes, prevent nutritional deterioration and address nutrition impact symptoms, including recommendation of an increased intake of soluble fibre where appropriate during radiation treatment, has also been highlighted.



<b>Carrie-Anne Lewis</b>	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	November 2023	<b>University of Queensland</b>	Carrie-Anne's PhD research aimed to investigate patient experience and clinical outcomes after bariatric surgery through a systematic literature review, examination of micronutrient deficiency risk, and evaluation of a dietitian-led model of care, using mixed-methods qualitative and quantitative study designs. Initial systematic literature review indicated a lack of high-quality data on micronutrient deficiency risk. Results from quantitative analysis from this body of work then identified at-risk nutrients to prioritise, suggesting a need for personalised and potentially rationalised testing. The implementation of a dietitian-led model of care for micronutrient monitoring showed increased testing frequency and improved person-centred care, highlighting potential efficiencies in post-operative care.
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## Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
<b>Adrienne Young</b>	People's Choice Poster	Implementation Science Health Conference Australia, March 2023 (Sydney, Australia)
<b>Sarah Andersen</b>	British Dietetic Association PENG ESPEN award	European Society for Clinical Nutrition and Metabolism (ESPEN) Congress, September 2023 (Lyon, France)
<b>Emma Osland</b>	David Russell Award for Clinical Nutrition	Australasian Society for Enteral and Parenteral Nutrition Conference (AusPEN) Annual Conference, November 2023 (Auckland, New Zealand)
<b>Kate Glen</b>	Presenter award	QUT HDR Conference

Recipient (RBWH staff in bold)	Award	Event
<b>Teresa Brown</b>	Rising Star Award	Metro North Research Excellence Awards, November 2023 (Brisbane, Australia)

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Helen McLaughlan (DFS), Robin Hay (DFS), Elizabeth Ryan (Physiotherapy), Andrea Cawte (DFS), Mala McHale (Psychology), Kelsey Pateman (CAHR)</b>	Dietetics & Food Services, Physiotherapy, Psychology, Centre for Allied Health Research	Paving the way: Demonstrating a health practitioner led complex obesity management pathway can improve health outcomes and develop research capacity	Office of the Chief Allied Health Officer	\$151,010	2 years, 2023-2025
<b>Angela Byrnes, George Hopkins (Surgery), Matthew Seymour (Endocrinology), Mala McHale, Rebecca Healy, Elizabeth Woods (PAH)</b>	Nutrition and Dietetics and Psychology	Measuring what matters to patients: Identifying and implementing patient-centred outcome measures for patients referred for bariatric surgery	Metro North	\$4,988	2 years, 2023-2024
Lauren Kearney (UQ), Christoph Lehner (WNBS), <b>Nicole Marsh (RBWH), Victoria Eley (RBWH, UQ), Angela Swift (RBWH)</b> , Bec Jeckinson (UQ), Jean Spinks (UQ), <b>Susie de Jersey</b> , John Thompson (University of Auckland), <b>Deanne August (RBWH)</b> , Amanda Ullman (UQ)	Women's and Newborn Services, Dietetics and Food Services	Fluids in Labour: Ensuring Maternal Euvolaemia (FLUME) study	RBWH Foundation	\$61,000	1 year, 2023
<b>Kylie Matthews-Rensch, Adrienne Young</b> , Amy Hannigan (QuEDS), Amanda Davis (QuEDS), Rea Nolan (QuEDS)	Dietetics and Food Services, QuEDS	We are only as strong as our weakest link: Improving the transition from hospital to home for adults with eating disorders	Australian Eating Disorder Research and Translation Centre	\$25,000	2 years, 2022-2023
<b>Susan de Jersey</b>	Dietetics and Food Services	Improving nutrition related antenatal care to optimise future health outcomes for mothers and their offspring	Metro North Health	\$255,157	4 years, 2020-2024
<b>Susan de Jersey</b>	Dietetics and Food Services	Improving nutrition related antenatal care to optimise future health outcomes for mothers and their offspring	UQ Faculty of Medicine	\$160,000	4 years, 2020-2024

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Merrilyn Banks</b> , Christian Redd (CSIRO), David Silvea-Tawil (CSIRO), Judy Bauer (Monash), <b>Anita Plaza (OT)</b> , <b>Andrea McKittrick (OT)</b> , <b>Elizabeth Vujcich (Burns)</b>	Dietetics and Food Services, Physiotherapy, Occupational Therapy, Burns, Surgery	Wearable sensors in patients with a burn injury to measure energy expenditure	RBWH Foundation	\$150,000	2 years, 2022-2023
<b>Teresa Brown</b>	Dietetics and Food Services	Investigating the Impact of Skull Base Surgery on Nutrition Outcomes to Optimise Nutrition Care Pathways for Patients Undergoing Surgical Resection for Head and Neck Cancer	RBWH Foundation	\$25,618	2 years, 2022-2023
<b>Belinda Lehn (RBWH SP)</b> , <b>Ann-Louise Spurgin (RBWH SP)</b> , <b>Juliet Hoey (RBWH SP)</b> , <b>Rebecca Fichera, Claire Blake, Sarju Vasani (RBWH ENT)</b> , <b>Sharon Kelly (RBWH Director ENT)</b>	Speech Pathology, Dietetics and Food Services	Life after Laryngectomy – An online information resource to support patients undergoing laryngectomy surgery and their carers/families	Metro North Health	\$7,000	2 years, 2022-2023
<b>Teresa Brown</b>	Dietetics and Food Services	Optimising nutrition outcomes and care pathways for patients undergoing surgical resection for head and neck cancer	Metro North Health	\$175,000	4 years, 2022-2025
Gita Mishra (UQ), Jenny Doust (UQ), Katrina Moss (UQ), Deborah Loxton (Uni Newcastle), Lisa Buckley (UQ), Kathleen Baird (UTS), Anthony Herbert (CHQ), Seema Mirshahi (Macquarie Uni), Annette Dobson (UQ), Craig Olsson (Deakin Uni); Galina Daraganova (Uni Melbourne), Leigh Tooth (UQ), Debra Anderson (UTS, QUT), Joanne Gray (Uni Sydney), <b>Susan de Jersey</b>	Dietetics and Food Services	Mothers and their Children's Healthcare Experience Study (MatCHES)	MRFF	\$681,300	5 years, 2022-2026
Ruth Hubbard (UQ), <b>Adrienne Young</b> , Maria Fiatarone Singh (Uni Sydney), Sarah Hilmer (Uni Sydney), Natasha Reid (UQ), Ken Rockwood (Dalhousie University), Chris Etherton-Beer (UWA), Loretta Baldassar (ECU), Rosemary Saunders (Edith Cowan Uni), Michelle Miller (Flinders Uni), Mark Morgan (Bond Uni), Emily Gordon (UQ), Tracy Comans (UQ), Paul Yates (Austin Health), Jason Ferris (UQ)	Dietetics and Food Services	Frailty KIT: An Australian Frailty Network to Create Knowledge, Implement Findings and Support Training	MRFF	\$4,993,238	6 years, 2022-2027

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Ruth Hubbard (UQ), Sarah Hilmer (Uni Sydney), Ken Rockwood (Dalhousie University), Kirsten Howard (Uni Sydney), Allison Tong (Uni Sydney), Monika Janda (UQ), Chris Etherton-Beer (UWA), Danijela Gnjidic (Uni Sydney), Wen Lim (Melbourne Uni), Natasha Reid (UQ), Dan Saskind (UQ), David Story (Melbourne Uni), Anna Nowak (UWA), <b>Adrienne Young</b> , Rosemary Saunders (Edith Cowan Uni), Nicola Warren (UQ), Emily Gordon (UQ), Heather Allore (Yale), Andrew Clegg (University of Leeds), Fiona Lake (UWA)	Dietetics and Food Services	Frailty-ADD: Improving Hospital Outcomes for Frail Patients Across Different Disciplines	NHMRC	\$2,500,000	6 years, 2022-2027
<b>Kylie Matthews-Rensch</b> , <b>Adrienne Young</b> , Michael Wilson, <b>Siobhan Wallin</b> , Amy Hannigan (QuEDS)	Dietetics and Food Services, QuEDS	Are we meeting the nutritional needs for hospitalised patients with eating disorders? The Feeds Needs Study	RBWH Foundation	\$40,610	2 years, 2023-2024
<b>Merrilyn Banks</b> , <b>Adrienne Young</b> , <b>Lisa McGuire</b> , Jennifer Ellick (STARS), <b>Felicity Myers</b>	Dietetics and Food Services	How good was my meal? Real time patient feedback on food service and consumption to improve nutrition care	RBWH Foundation	\$50,000	2 years, 2023-2024
<b>Sarah Andersen</b>	Dietetics and Food Services	Using prebiotic fibre supplementation to improve patient outcomes during treatment for haematological malignancies	Metro North Health	\$240,531	5 years, 2023-2027
<b>Helen MacLaughlin</b> , Margie Conley (QUT), Andrea Viecelli (PAH), David Johnson (PAH, UQ) Carel Pretorius (Path Qld), David Mudge (PAH), Tammy Tonges (consumer rep), Richard Modderman (PAH), Justin Holland (QUT)	Dietetics and Food Services, Kidney Health Service, Queensland Pathology	Slowing kidney disease with weight loss: a randomised controlled feasibility study	Kidney Health Australia	\$50,000	3 years, 2021-2023
<b>Adrienne Young</b> , <b>Merrilyn Banks</b> , <b>Angela Byrnes</b> , Jennifer Ellick (STARS), <b>Elise Treleaven</b> , Sarah Mackay (TPCH), Anja Christoffersen (Consumer), Dale Trevor (Consumer), Sarah Wallace, Matthew Walker (Wide Bay HHS), Louise Moodie (Mackay HHS), Catherine McFarlane (Sunshine Coast HHS), Tania Bennett (Metro South HHS), Sarah Wright, (AHPOQ)	Dietetics and Food Services, Speech Pathology	Measuring what matters: developing quality indicators for hospital nutrition services	OCAHO	\$169,740	3 years, 2023-2025

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Sarah Mackay (TPCH), <b>Adrienne Young</b> , Jack Bell (TPCH), Anja Christoffersen (Consumer), Dale Trevor (Consumer), <b>Alison Mudge (Internal Medicine)</b>	Dietetics and Food Services	Malnutrition – Call it what it is or something else?	TPCH Foundation	\$9,991	2 years, 2023-2024
Sarah Mackay (TPCH), <b>Adrienne Young</b> , Jack Bell (TPCH), Anja Christoffersen (Consumer), Dale Trevor (Consumer), <b>Alison Mudge (Internal Medicine)</b>	Dietetics and Food Services	Malnutrition – Call it what it is or something else?	Health Translation Queensland	\$1,000	2 years, 2023-2024
<b>Kate Glen</b> , Christine Elizabeth Weekes (NHS), <b>Merrilyn Bank</b> , Mary Hannan-Jones (QUT)	Dietetics and Food Services	Confirming ongoing nasogastric tube position – an analysis of practice and outcomes between the UK and Australia	RBWH	\$38,000	1 year, 2023
<b>Sarah Andersen</b>	Dietetics and Food Services	Using prebiotic fibre supplementation to improve patient outcomes during treatment for haematological malignancies	Metro North Health	\$10,000	2 years, 2023-2024
<b>Sarah Andersen</b> , Heidi Staudacher (Deakin Uni), Nicole Gavin (Cancer Care, nursing), Andrea Henden (QIMR, UQ)	Dietetics and Food Services, Cancer Care Services	Prebiotic fibre supplementation during haematological cancer treatment	Gateway for Cancer Research	\$165,000 (USD\$112,652)	3 years, 2024-2026
Clair Sullivan (UQ), Alain-Dominique (Dom) Gorse (UQ), Michael Lawley, Enrico Coiera (Macquarie Uni), Ranjany Thomas (UQ), Xingliang Yuan (Monash Uni), Yasmeen George (Monash Uni), Steven M McPhail (QUT AuSHI), <b>Susan de Jersey</b> , Jiangning Song (Monash Uni), Euan Walpole (PAH), Leonie Callaway (UQ), Maureen Turner, Bill Donnelly, Lyn March	Dietetics and Food Services, Women's and Newborns	NINA: Disrupting current models for chronic disease; National Infrastructure for federated learning in Digital health	MRFF	\$6.5M (+ additional \$7.2M co-contribution from partners)	4 years, 2023-2026
Catherine McFarlane (Sunshine Coast HHS), <b>Helen MacLaughlin</b> , Rathika Krishnasamy (Sunshine Coast HHS, UQ)	Dietetics and Foodservices	Diet quality in CKD: a plant based dietary approach to modulate gastrointestinal microbiome and improve management of kidney disease.	Queensland Health Office of Precision Medicine and Research	\$99,999	3 years, 2024-2026
Adrian Brown (Uni College London), <b>Helen MacLaughlin</b> , Sebastian Potthoff (Northumbria Uni), Reza Motallebzadeh (Uni College London), Rachel Batterham (Uni College London)	Dietetics and Food Services	INFILTRATE: Implementation of a formula low energy diet programme for weight loss in a renal transplant service	National Institute of Health and Care Research (NIHR)	\$2.2M	6 years, 2023-2028

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Teresa Brown</b>	Dietetics and Food Services	Immunotherapy and nutrition outcomes in head and neck cancer	Metro North Health	\$10,000	2 years, 2023-2024
<b>Carrie-Anne Lewis</b>	Dietetics and Food Services	Facilitating equitable access to allied health first obesity services using co-design	OCAHO	\$159,425	3 years, 2023-2025

### Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Adrienne Young</b>	Anja Christoffersen (Consumer)	Developing a co-design framework for Metro North	0
<b>Adrienne Young</b>	Sally Bennett (UQ), Gill Harvey (University of Adelaide), Sally Barrimore (MNHHS AH), Katrina Campbell (MNHHS AH), Ashley Cameron (AHPOQ), Shelley Wilkinson (Mater), Ingrid Hickman (PAH)	Evaluating an allied health knowledge translating training and support initiative	0
<b>Adrienne Young</b>	<b>Angela Byrnes, Clare Cutmore, Claire Dux, Helen MacLaughlin</b> , Yuen Ting Jessie Wan (QUT), Yuet Ching Wu (QUT)	Summarising the evidence relating to standardised enteral nutrition protocols: A scoping review	0
<b>Adrienne Young</b>	<b>Merrilyn Banks, Angela Byrnes</b> , Jennifer Ellick (STARS), <b>Elise Treleaven</b> , Sarah Mackay (TPCH), Anja Christoffersen (Consumer), Dale Trevor (Consumer), Sarah Wallace, Matthew Walker (Wide Bay HHS), Louise Moodie (Mackay HHS), Catherine McFarlane (Sunshine Coast HHS), Tania Bennett (Metro South HHS), Sarah Wright, (AHPOQ)	Measuring what matters: developing quality indicators for hospital nutrition services	0
<b>Amanda Watt</b>	<b>Emma Osland, Vishal Kaushik (Gastroenterology), Craig Harris (Surgery), David Taylor (Surgery)</b> , Yan Ning Lam (QUT), Bobo Yeung (QUT)	Examination of nutrition care and support practices for patients having pelvic exenteration surgery	NA
<b>Angela Byrnes</b>	<b>Amanda Watt, Adrienne Young</b> , Sally Barrimore (TPCH), Rachel Flynn (University of Alberta)	Sustainability of Enhanced Recovery After Surgery protocols in gastrointestinal surgery: Scoping Review	NA
<b>Angela Byrnes</b>	<b>Jessica Fry, Natalie Moran, Adrienne Young, Kate Glen</b> , David Clark (Surgery), Rachel Flynn (University of Alberta)	Exploring sustainability of ward-based practice change interventions in Australia: the example of post-operative diet upgrade processes for colorectal surgical patients	0
<b>Angela Byrnes</b>	<b>George Hopkins (Surgery), Matthew Seymour (Endocrinology), Mala McHale</b> , Rebecca Healy, Elizabeth Woods (PAH)	Measuring what matters to patients: Identifying and implementing patient-centred outcome measures for patients referred for bariatric surgery	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Bronwyn Segon</b>	<b>Merrilyn Banks</b> , David Silvera-Tawil (CSIRO), <b>Elizabeth Vujcich (Surgery)</b> , <b>Anita Plaza (Physiotherapy)</b> , <b>Andrea McKittrick (Occupational Therapy)</b> , Judy Bauer (Monash), Dale Trevor (Consumer), Marlien Varnfield (CSIRO), Wei Lu (CSIRO), Deepa Prabhu (CSIRO)	Accuracy and acceptability of wearable sensors in patients with burn injury to measure energy expenditure	NA
<b>Brooke Maund</b>	Tara Boelsen-Robinson (Deakin), Miranda Blake (Deakin), Kripi Khanna (Deakin), Shaan Naughton (Deakin), Kate Huggins (Deakin), Tari Bowling (Deakin), Anna Peeters (Deakin), Helena Romaniuk (Deakin), Victoria Hobbs (Deakin)	Testing Healthy Food Retail Implementation Tools in Queensland Health Services: A Pilot Randomised Control Trial	NA
<b>Carrie-Anne Lewis</b>	Ingrid Hickman (PAH), <b>Susan de Jersey</b> , <b>Emma Osland</b> , <b>Siobhan Wallin</b> , Lindsay Web (PAH), <b>George Hopkins (Surgery)</b> , <b>Blair Bowden (Surgery)</b> , <b>Benjamin Dodd (Surgery)</b> , <b>Viral Chikani (Endocrinology)</b> , <b>Anthony Cheng (Surgery)</b> , <b>Chung Kwun Won (Surgery)</b> , <b>Kath Bradley (Surgery)</b> , <b>Lara Maidment (Endocrinology)</b>	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population	0
<b>Carrie-Anne Lewis</b>	<b>Susan de Jersey</b> , <b>Helen MacLaughlin</b> , Guy Law (Consumer), Nicole Thill (Consumer), Louise Moodie (Mackay HHS), <b>Merrilyn Banks</b> , Gaurav Puri (Endocrinology, Logan Hospital), Joanna Munro (HWQId), <b>Robin Hay</b> , Caroline Giles (Mackay HHS GPLO), Time Krivitsky (IM physician, Mackay HHS)	Facilitating equitable access to allied health first obesity services using co-design	0
<b>Claire Blake</b>	<b>Merrilyn Banks</b> , Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service	0
<b>Claire Blake</b>	Vishal Kaushik	Implementation of patient-led malnutrition screening in the cancer care ambulatory setting	0
<b>Claire Blake</b>	<b>Joanne Hiatt</b> , <b>Emma Osland</b> , <b>Kay Lasenby (Gastroenterology)</b>	Consumer Engagement of gastrostomy service design and evaluation	0
<b>Claire Blake</b>	Rainbow Lai (UQ), <b>Teresa Brown</b> , Anita Pelecanos (QIMR), <b>Laura Moroney</b> , Jennifer Helios, David Smith (QIMR), Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Benjamin Chua (Cancer Care), Judith Bauer (Monash Uni)	Nutrition outcomes and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy	0
<b>Emilie Croisier</b>	<b>Teresa Brown</b> , <b>Alice Grigg (Radiation Therapy)</b> , <b>Phillip Chan (Cancer Care)</b> , <b>Jeffrey Goh (Cancer Care)</b> , Judy Bauer (Monash Uni)	Dietary counselling to increase soluble fibre in patients with gynaecological cancers undergoing pelvic radiotherapy: a feasibility study	0
<b>Emma Osland</b>	<b>Kelsey Pateman</b> , Jeanette Morris (PAH), Melanie Nelms (GCUH), Claudia Lopez Silva (MNHHS)	Oral health and behaviours of adults with chronic intestinal failure requiring Home Parenteral Nutrition	24
<b>Erynn McAuley</b>	Lynda Ross (QUT), <b>Helen MacLaughlin</b> , Mary Hannan-Jones (QUT)	What is the diet quality and self-efficacy of adults with chronic kidney disease?	63
<b>Helen MacLaughlin</b>	<b>Robin Hay</b> , <b>Andrea Cawte</b> , <b>Gemma Woodruff (Pharmacy)</b> , <b>Elizabeth Ryan (Physio)</b> , <b>Matthew Seymour (Endocrinology)</b> , <b>Clare Pekin (Psychology)</b> , Madison Goddard (QUT)	Evaluation of the Tertiary Obesity Multidisciplinary Service	NA

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Helen MacLaughlin</b>	Margie Conley (PAH/QUT), Andrea Viecelli (PAH), David Johnson (PAH), Carel Pretorius (Qld Path), David Mudge (Redland Hosp), Tammy Tonges (consumer), Richard Modderman (PAH), Justin Holland (QUT), <b>Kirsten Hepburn (RBWH)</b>	Slowing kidney disease with weight loss: a randomised controlled feasibility study	30
<b>Helen MacLaughlin</b>	<b>Jessica Fry</b> , Catherine McFarlane (Sunshine Coast HHS), <b>Sharad Ratanjee (Kidney Health Service)</b>	Healthy Eating in Haemodialysis: a prospective cohort study	69
<b>Jane Musial</b>	<b>Rebecca Healy</b>	Implementation and evaluation of an annual extension to the model of care and benchmarking of routinely collected clinical outcomes for Bariatric Surgery	NA
<b>Jessica Fry</b>	<b>Michaela Henny, Susan de Jersey, Lisa McGuire, Taylor Guthrie</b> , Nina Meloncelli (Metro North Allied Health), Jane Willcox (Deakin Uni), Shelley Wilkinson (UQ)	Understanding the experiences of women referred who did not engage in the Living Well during Pregnancy program	10
<b>Kate Glen</b>	Mary Hannan-Jones (QUT), <b>Merrilyn Banks</b> , Elizabeth Weekes (UK – NHS)	Audit of ongoing nasogastric tube position confirmation practices at the Royal Brisbane and Women's Hospital	120
<b>Kylie Matthews-Rensch</b>	<b>Claire Blake, Merrilyn Banks</b> , Enoka Gonsalkorala (Hepatology), Barbara Leggett (Hepatology), Richard Skoien (Hepatology), Rohit Gupta (Hepatology), <b>Elise Treleaven</b>	Liver Nutrition Clinics (LiNC): A service evaluation audit to assess clinical and quality of life outcomes	40
<b>Kylie Matthews-Rensch</b>	<b>Adrienne Young</b> , Amy Hannigan (QuEDS), Amanda Davis (QuEDS), Rea Nolan (QuEDS), Lisa Jones (consumer representative)	Supporting patients with medically compromised eating disorders: a co-designed investigation into a support system for those returning home	0
<b>Merrilyn Banks</b>	<b>Merrilyn Banks, Bronwyn Segon</b> , Claire Lever (QUT), Jordan Woo (QUT)	Systematic review of vitamin and mineral requirements following major burn injury	NA
<b>Rebecca Fichera</b>	<b>Teresa Brown, Sarah Andersen</b> , Glen Kennedy (Cancer Care), David Williams (Cancer Care)	New Model of Care for autologous stem cell transplant patients (AutoCare): adherence and clinical outcomes	0
<b>Sarah Andersen</b>	<b>Teresa Brown</b> , Glen Kennedy (CCS), Frederik Steyn (Neurology & UQ), <b>Rebecca Fichera</b>	Energy expenditure in patients undergoing allogeneic stem cell transplantation	11
<b>Sarah Andersen</b>	<b>Teresa Brown, Bronwyn Segon</b> , Judy Bauer (Monash)	Systematic review of vitamin requirements during stem cell transplantation	NA
<b>Sarah Andersen</b>	Jiani Xu (UQ ST), Glen Kennedy (CCS), Judy Bauer (Monash)	Nutrition support and clinical outcomes after allogeneic stem cell transplantation	NA
<b>Sarah Andersen</b>	Andrea Henden (QIMR), Heidi Staudacher (Deakin), Glen Kennedy (CCS), Nicole Gavin (CCS)	Fibre intake during treatment for haematological malignancies: a scoping review	NA
<b>Sarah Andersen</b>	Andrea Henden (QIMR), Glen Kennedy (CCS), <b>Merrilyn Banks</b>	Prebiotics, the gastrointestinal microbiome and clinical outcomes post allogeneic stem cell transplantation	30



Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Sarah Andersen</b>	<b>Teresa Brown, Claire Blake, Rachel Williams, Helen MacLaughlin</b> Dannielle McCormack, (QUT) and Christine Johnson (QUT)	Micronutrient requirements during graft versus host disease post allogeneic stem cell transplantation: a systematic review	NA
<b>Sarah Andersen</b>	Andrea Henden, Heidi Staudacher (Deakin), Jacinta Smith (Consumer) Midori Nakagaki, Nicole Gavin (Cancer Care)	Prebiotic fibre supplementation during allogeneic stem cell transplantation, a pilot randomised control trial	NA
<b>Sarah Andersen</b>	<b>Rebecca Fichera, Teresa Brown</b> , Glen Kennedy (Haematology), David Williams (Haematology)	Audit of new nutrition support protocol for allogeneic transplantation	NA
<b>Siobhan Wallin</b>	<b>Angela Byrnes, Carrie-Anne Lewis, Jane Musial, Helen MacLaughlin</b> , Ingrid Kotzee (QUT), <b>Michaela Henny</b>	Describing enteral nutrition support practices in patients with post-operative complications following bariatric surgery	NA
<b>Susie de Jersey</b>	Lynda Ross (QUT), <b>Helen MacLaughlin, Rachel Williams</b> , Hayley Sullivan (QUT), <b>Taylor Guthrie</b>	Care provided to pregnant women with a history of bariatric surgery: retrospective audit of clinical care and outcomes	NA
<b>Susie de Jersey</b>	Nina Meloncelli (MN AH), Sarah James (Redcliffe), Kristen Riggs (Caboolture)	Implementation of evidence-based routine antenatal care to support healthy weight gain during pregnancy: Exploring barriers and enablers to implementation	450
<b>Susie de Jersey</b>	<b>Taylor Guthrie</b> , Helen Truby (UQ), Sailesh Kumar (UQ), Helen Barrett (Mater), Jade Eccles-Smith (IMS), Alka Kothari (UQ), Sandra Lee (Caboolture hospital)	The Bariatric sUrgery and Maternal nutrition in Pregnancy (BUMP) Study: A prospective cohort study investigating the impact of bariatric surgery prior to pregnancy on maternal and offspring outcomes	40
<b>Susie de Jersey</b>	Nina Meloncelli (MN AH, SCUH), <b>Michael d'Emden (Endocrinology), Leonie Callaway (Women's and Newborn Services)</b> , Adrian Barnett (QUT), David McIntyre (Mater), Cate Cameron (Jamieson Trauma Institute), Charles Appleton (QML), David Kanowski (SNP)	Are changes to Gestational Diabetes Mellitus screening and diagnosis during COVID-19 worth continuing?	NA
<b>Taylor Guthrie</b>	<b>Madelyn Meury, Sharon Chambers (Diabetes)</b> , Alison Barry (WNBS), Kristiina Agryos (WNBS)	Virtual GDM Group: Patient + Staff satisfaction	18 (+11 staff)
<b>Teresa Brown</b>	Daniel Hwang (UQ), <b>Elise Treleaven</b> , Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Charles Lin (Cancer Care), Penny Webb (QIMR), Anita Pelecanos (QIMR), Judy Bauer (Monash)	A feasibility study to investigate taste changes post treatment in patients with head and neck cancer and their association with genes and dietary behaviour	0
<b>Teresa Brown</b>	Anna Edwards (UQ), Brett Hughes (Cancer Care), Louise Campbell (Qld PET Service), Judy Bauer (Monash)	Assessment of sarcopenia and malnutrition in patients with head and neck cancer undergoing treatment of curative intent – implications for practice	0
<b>Teresa Brown</b>	Ryan Sommerville (ENT), Tom Slaughter (ENT), <b>Clare Burns (SP)</b> , Brett Hughes (Cancer Care), Judy Bauer (Monash)	Nutrition and swallowing outcomes following TORS for head and neck cancer	0
<b>Teresa Brown</b>	Ryan Sommerville (ENT), Abigail Walker (ENT), Stephanie Yau (ENT), <b>Joanne Hiatt, Rebecca Fichera</b> , Clare Burns (SP), Brett Hughes (Cancer Care), Judy Bauer (Monash)	Nutrition and swallowing outcomes following skull base surgery	N/A

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Teresa Brown</b>	<b>Belinda Camilleri</b> , Brett Hughes (Cancer Care), Judy Bauer (Monash)	Nutrition outcomes following immunotherapy for head and neck cancer	N/A
<b>Teresa Brown</b>	<b>Elise Treleven, Claire Blake, Rebecca Fichera, Jo Hiatt</b> , Omar Briek (MAXF), Ryan Sommerville (ENT), Milap Rughani (Plastics), Brett Hughes (Cancer Care), Judy Bauer (Monash)	Developing nutrition care pathways and prophylactic gastrostomy insertion for head and neck surgery	N/A

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Alison Mudge (IMRU)	<b>Adrienne Young</b> , Theresa Green (STARS), Aparna Arjunan (STARS), Niru Mahendran (UQ), Julie Adsett (physiotherapy), Penni Burfein (STARS), Giovanna Tornatore (STARS), Ian Parker (STARS), Dr Julia McLeod (STARS), Janette Moore (consumer rep), Dan Trestrail (consumer rep)	Stratifying Trajectories After Rehabilitation (STAR): prospective pilot feasibility study of the impact of frailty on recovery trajectories following inpatient rehabilitation	0
Angela Byrnes (IMRU)	<b>Adrienne Young</b> , Alison Mudge (IMRU), Mary Hannan-Jones (QUT), <b>Rhiannon Young</b> , Jessica King (QUT)	"We all must eat": analysis of patient reported experience of eating in hospital from the Eat Walk Engage statewide program	0
Angela T Chang (CAHR)	<b>Susie de Jersey</b> , Anna Farrell, Jenny Strong, <b>Adrienne Young</b> , Gai Harrison, Jennifer Paratz, Peter Buttrum (AHP), <b>Merrilyn Banks</b>	Understanding research capacity and outputs in allied health workforce at RBWH	NA
Christoph Lehner (WNBS)	Leonie Callaway (WNBS), Alka Kothari (Redcliffe), Anousha Woods (WNBS), Katie Foxcroft (WNBS), <b>Susie de Jersey</b> , Sailesh Kumar (Mater), Akwasi Amoako (WNBS), Stephaie Lawton (Psychology), Elizabeth Bennett (PMH), Tracey Mackle (PMH)	The impact of the COVID-19 pandemic on maternal depression and related disorders during the perinatal period	NA
Danielle Mahoney (UQ)	Catherine Haslam (UQ), <b>Helen MacLaughlin, Cindy Jennings</b>	A Social Identity Approach to Physical Health: The Impact of Social Connectedness on Diet Adherence	100
Dylan Flaws (Mental Health)	Alison Mudge (IMS), Gerard Byrne (Mental Health), Prue McRae (IMS), Megan Nitz (Mental Health), Conor O'Launaigh (TPCH), Trevor Hollingsworth (Caboolture), Adrienne Young, Elise Treleven	Delirium in older psychiatry inpatients: protocol for an observational study	NA
Emma Ridley (Monash)	Kate Ainscough (University College Dublin CRC), Rebecca Baskett (Auckland City hospital), Allison Bone (University Hospital Geelong), Eleanor Capel (Northeast Health Wangaratta), Adam Deane (Royal Melbourne Hospital), Kate Fetterplace (Royal Melbourne Hospital), Eileen Gilder (Auckland City Hospital), Victoria King (ANZIC-RC), Sandra Peake (The Queen Elizabeth Hospital), Andrew Udy (ANZIC-RC, Monash University), Patricia Williams (The Queen Elizabeth Hospital), Jacinta Winderlich (ANZIC-RC), Paul Young (Wellington Hospital), <b>Claire Dux</b>	Nutrition practice in critically ill adults – an observational study (NUTRIENT)	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Emma Shipton (WNBS)	<b>Susie de Jersey</b> , Katie Foxcroft (WNBS), Leonie Callaway (WNBS), Nigel Lee (UQ)	Antenatal Models of Care and the effect on breastfeeding rates after discharge	NA
Gloria Wong (IMS)	Alison Mudge (IMS), <b>Kylie Matthews-Rensch</b> , Warren Ward (QuEDS), Caroline Summers (IMS), Peter Donovan (IMS), Lisa Ryan (IMS)	A Retrospective Evaluation of Clinical Characteristics and Outcomes Of Patients with Eating Disorders Admitted for Inpatient Medical Management	0
Hannah Olufson (STARS)	Theresa Green (STARS), <b>Adrienne Young</b> , Ella Ottrey (Monash)	Ethnographic exploration of person-centred nutrition care	NA
Heidi White (Physiotherapy)	<b>Rebecca Fichera, Elise Treleaven, Claire Blake</b> , Leonie Namann (Physiotherapy)	Implementing sarcopenia screening in the oncology day therapy unit	0
Ho Ching Cheung (QUT)	Lynda Ross (QUT), Esben Strodl (QUT), <b>Jane Musial, Angela Byrnes, Carrie-Anne Lewis</b>	Nutritional interventions and barriers to long-term weight loss maintenance after bariatric surgery: Qualitative study of patients and clinicians' perspectives	39
Ian Graham (Ottawa Hospital Research Institute)	Mike Brown (King's College), Rachel Davis (King's College), Gillian Harvey (Flinders), T George Hornby (Indiana University), Elizabeth Lynch (Flinders), Jennifer Moore (Institute of Knowledge Translation), Julia Moore (The Centre for Implementation), Alison Mudge (IM), <b>Adrienne Young</b> , Dawn Stacey (University of Ottawa), Sharon Straus (University of Toronto), Jessica Reszel (Ottawa Hospital Research Institute)	Exploring the experiential knowledge of those offering knowledge translation and implementation capacity building initiatives to practitioners: A mixed-methods study	NA
Kelsey Pateman (CAHR)	<b>Adrienne Young</b> , Anja Christoffersen (consumer rep), Cory Williams (surgery), Colette Bambrook (surgery), Elizabeth Ryn (WNBS), Christine Petrie (MN Engage), <b>Merrilyn Banks</b> , Meredith Kropp (QIPPS), Dale Trevor (consumer rep)	How should we code qualitative Patient Reported Experience Data? Development and testing of a person-centred content analysis framework	NA
Kevin Laupland (ICU)	Felicity Edwards (ICU), <b>Claire Dux</b>	Caffeine consumption and withdrawal among patients in the Intensive Care Unit	0
Liliana Botero (UQ)	<b>Adrienne Young, Merrilyn Banks</b> , Judy Bauer (Monash), Sarah Mackey (TPCH)	Changes in Nutritional status in long stay acute patients, associated nutrition care and health outcomes: an Observational Cohort Study	126
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 (annual)	NA
Margie Conley (MSHHS, QUT)	Andrea Vieceili (MSHHS, UQ), David Johnson (MSHHS, UQ), Hannah Mayr (MSHHS), Mikeeley Hoch (MSHHS), <b>Helen MacLaughlin</b>	Acceptability and adherence of low energy diets for obesity management in chronic kidney disease	0
Michelle Cottrell (physiotherapy)	Clare Burns, Amber Jones, <b>Adrienne Young</b> , Kelsey Pateman (CAHR), Gary Power (consumer), Anja Christoffersen (consumer), Linda Cuskelly (MN Telehealth), Peter Buttrum (AHP), Kate Dickson (CC&CCS)	Partnering with consumers to optimise engagement with telehealth services within Metro North Health: an experience-based co-design approach	NA

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Nicole Gavin (Cancer Care)	Glen Kennedy (Cancer Care), David Patterson (Infectious Diseases), Claire Rickard (Griffith Uni), <b>Sarah Andersen</b> , Elise Button (Cancer Care), Rebecca Lippiatt (Cancer Care)	Exploring changes in gastrointestinal tract microbiome and their influence on mucosal barrier injury laboratory confirmed bloodstream infection in patients diagnosed with high-risk features of acute myeloid leukaemia	0
Peter Buttrum (RBWH Allied Health)	Shaun OLeary (Physiotherapy), <b>Adrienne Young</b> , Diann Eley (UQ), <b>Merrilyn Banks</b> , Mark Cruickshank (Physiotherapy), James Elliot (Uni of Sydney), Nicholas Talley (Uni of Newcastle), Tracy Comans (UQ), Scott Bell (TRI)	Sustainable career pathways for clinician-scientists in Australian public health	NA
Ra'eesa Doola (PAH)	Lee-anne Chapple (Royal Adelaide Hospital), Adam Deane (Royal Melbourne Hospital), Alison Griffin (QIMR), Meg Harward (PAH), Anne Leditschke (Marter Health), Emma Ridley (Alfred Health), David Sturgess (UQ), James Walsham (UQ/PAH), Peter Kruger (UQ/PAH), <b>Claire Dux</b> , Kate Glen	REDuced CARBohydrate enteral formula compared to standard care in hyperglycaemic critically ill tube fed patients – a randomised controlled phase II trial (REDCARB)	12
Sarah Davidson (Duke University)	Susie de Jersey, Leonie Callaway (WNBS), Hillarie Drever (UQ); Renuka Sekar (WNBS)	The effect of using ultrasound-guided management of gestational diabetes on maternal and neonatal outcomes in pregnant women	NA
Sarah Mackay (TPCH)	<b>Adrienne Young</b> , Jack Bell (TPCH)	The perception and understanding of the terminology used to describe 'malnutrition' from the perspective of patients, carers and health care professionals: a qualitative systematic review	0
Veronica Costea (Karolinska Institut)	<b>Angela Byrnes</b> , <b>Adrienne Young</b> , Nina Meloncelli (MNHHS AH), Sally Bennett (UQ), Alison Mudge (IMS), Sally Barrimore (TPCH), Anna Bergstrom (Karolinska Institut), Sally Eames (COH)	Capacity building in knowledge translation for staff working in health services: a systematic review	NA
Jorja Collins (Monash)	Stefanie Carino (Monash), Kristen MacKenzie-Shalders (Bond University), <b>Denise Cruickshank</b> , Grace Zadow (Bond)	Changes in practices and perspectives of environmental sustainability in foodservices.	0
Adrian Brown (UCL)	<b>Helen MacLaughlin</b> , Rachel Batterham (UCL), Reza Motallebzadeh (UCL), Sebastian Potthoff (Northumbria University)	INFILTRATE: ImplemeNtation of a Formula low energy diet programme for weight loss In a renal TRAnsplAnT sErvice	NA
Trent Payne (UQ PhD student)	Shaw Alyra, Chan Samuel, Morrison Mark, Gordon Emily, Hubbard Ruth, <b>Sarah Andersen</b> , <b>Adrienne Young</b>	A Scoping Review Investigating the Role of Dietary Intervention on Gut Microbiome Outcomes in Frail People	NA
Catherine McFarlane (SCUH)	<b>Helen MacLaughlin</b> , Rathika Krishnasamy (SCUH)	Diet quality in CKD: a plant based dietary approach to modulate gastrointestinal microbiome and improve management of kidney disease	NA
Judy Bauer (Monash)	Lauren Hanna (Monash), <b>Teresa Brown</b> , Merran Findlay (Uni of Sydney), Belinda Vangelov (Prince of Wales, Sydney)	Body composition and sarcopenia in head and neck cancer in a national dataset	N/A

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Anna Edwards (Toowoomba/UQ PhD student)	<b>Teresa Brown</b> , Brett Hughes (Cancer Care), Judy Bauer (Monash)	Regional H&N cancer centre nutrition care and experience	0
Joanne Beer (University of Western Australia)/PhD Student	Prof Neil Doudville (SCGH), Kelly Lambert (Uni of Wollongong), Wai Lim (SCGH), <b>Erynn McAuley</b>	The Telenutrition and Kidney Healthy Study. A randomised controlled trial comparing the effect of digital health to standard care on serum phosphate control in patients on dialysis (The TeleKinesis Study)	6

## Research Publications

### Authors

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## Publications in 2023

### Journal Articles (RBWH staff in bold)

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## Journal Articles (RBWH staff in bold)

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## Keynote or Plenary Lectures given in 2023

Date	Title
23/07/2023	<b>Helen MacLaughlin</b> , Kidney Interest Group. Workshop: Plant based diets in CKD - Healthy Eating is the new renal diet. Dietitians Australia Annual Conference
23/07/2023	<b>Clare Cutmore, Merrilyn Banks</b> . Workshop: Innovate and Inspire - How to implement foodservice initiatives with your teams. Dietitians Australia Annual Conference
23/07/2023	<b>Claire Blake, Teresa Brown</b> . Workshop: Extended Scope Models of Care. Dietitians Australia Annual Conference
10-12/08/2023	Sandro Porceddu, Elizabeth Ward, Clare Burns, <b>Teresa Brown</b> . Breakfast Session: Meet the Researchers. Australia and New Zealand Head and Neck Cancer Society (ANZHNCS) Annual Scientific Meeting
5/11/2023	Adrienne Young, Alison Mudge. Breakfast session: Improving Nutrition in Older Adults. Australian and New Zealand Society of Geriatric Medicine

# Occupational Therapy

## Research highlights

In 2023, the Occupational Therapy research continued with a focus on research, translation of research into practice and quality improvement projects.

Highlights for Occupational Therapy in 2023 include 25 conference presentations and 12 peer reviewed publications. Department led projects were successful in receiving 6 research grants, totalling \$147,500, with 2 of these grants being led by researchers undertaking their first projects.

RBWH Occupational Therapy had 6 presentations at The National Occupational Therapy Conference in Cairns, and two occupational therapists (Dr Andrea Mc Kittrick and Dr Nicole Andrews) were acknowledged for their contribution to occupational therapy practice in burns and persistent pain.

Areas of research this year have included the impact of concussion on occupational performance; the prevalence, impact, and treatment of chronic pain; the assessment, assessment and management of hand injuries and burns and the redesign of occupational therapy education in cancer care.

In 2023, three quarters of the department participated in a quality improvement project and a third of the department completed projects which had gained ethics approval.

RBWH Occupational Therapy continues to expand its focus on person centred care with co-designed quality improvement projects. The inclusion of consumers within the project design has significantly improved the scope and quality of these projects, and we are looking forward building on this experience in the future.

The RBWH Occupational Therapy Service continues to grow their collaborations with the Herston Bio-fabrication Institute, University of Queensland, RECOVER Injury Research Centre and Griffith University.

Finally, we would like to congratulate Dr Andrea Mc Kittrick who completed her PhD, titled: To develop a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers.

## Successful PhD candidates in 2023

Name	PhD Title	Month Competed	Affiliated University	Summary
<b>Andrea Mc Kittrick</b>	To develop a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers	Sep-23	<b>Griffith University</b>	A new outcome measure for hand burn injuries was co-designed with researchers, clinicians, and individuals with hand burn injuries. The co-designed measure includes 18 activities which are designed to review daily tasks which are commonly interrupted post hand burn injuries. Preliminary testing of this outcome measure across Australia and New Zealand has established clinical utility, face, and content validity.

## Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Merrill Turpin, Cate Fitzgerald, Jodie Copley, <b>Sue Laracy</b> , Beverly Lewis	Top Cited Article 2021-22	Wiley, Top Cited Article 2021-2022, Australian Occupational Therapy Journal
<b>Andrea McKittrick</b>	2023 ANZBA Early Career Researcher Seed Grant	ANZBA
Alison Bell (UQ), Jane Nikles (UQ), <b>Nicole Andrews</b> , Rachel Cobcroft (Consumer), Emma Raymond (Consumer), Kevin Conway (Consumer), Jason Driscoll (Consumer), Tobhi Stone-Feller (Consumer), Karen Nichols (Consumer)	Consumer and Community Involvement Award	The Faculty of Health and Behavioural Sciences 2023 Staff Awards, The University of Queensland

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Abigail Saunders</b>	Nutrition and Dietetics	Changes in disease activity, patients-reported outcomes	RBWH Scholarship	\$500,000	5 years, 2021-2025
<b>Sue Laracy</b>	Occupational Therapy	Impact of Concussion on Occupational Performance	RBWH Foundation	\$36,211	1 Year, 2023
<b>Francis Thomsen, Michelle Donovan, Karina Lewis, Sue Laracy, Omar Breik</b>	Occupational Therapy, Maxillofacial Surgery.	The impact of immobilisation orthoses on radial forearm flap donor sites in patients with head and neck cancer – a retrospective chart audit	RBWH Foundation	\$14, 984	2 years, 2023-2024
<b>Andrea Mc Kittrick</b>	Occupational Therapy	A feasibility study comparing 3D scanning technology and current standard of care when measuring limbs	ANZBA	\$5,000	2 years, 2023-2024

## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Andrea Mc Kittrick</b>	Louise Gustafsson (Griffith Uni), Amelia Di Tommaso (Griffith Uni), Tenelle Hodson (Griffith Uni)	Preliminary testing of a person-centred outcome measure for hand burn injuries	20
<b>Andrea Mc Kittrick</b>	<b>Michelle Donovan</b> , Amber Jones, Jason Brown (RBWH), Elizabeth Vujcich (RBWH), <b>Sue Laracy</b>	Feasibility, Acceptability and Safety of Vacuum Therapy on Burn Scar outcomes	4
<b>Sue Laracy</b>	Mike O'Sullivan, Robyn Smith, Gary Mitchell	Impact of Concussion on Occupational Performance	0
<b>Nicole Andrews</b>	Andrew Claus (TCPRC), Riley O'Donohue (Psychology), Megan Murdoch (Physiotherapist), Hang Ding (UQ), Atiyeh Vaezipour (UQ), Paul Gray (TCPRC), Trevor Russell (UQ)	Onsite hospital-based pain management programs: understanding and improving uptake and adherence rates	0
<b>Nicole Andrews</b>	Olivia Zheng (Trauma Service), Jodie Ross (Trauma Service), Venerina Johnston (UQ), Elise Gane (UQ), Esther Smits (UQ), Charlotte Brakenridge (UQ), Paul Gray, (Professor Tess Cramond Multidisciplinary Pain Centre), Michael Rudd (Trauma Service)	An investigation of the prevalence, impact, and management of chronic pain post trauma at a tertiary public hospital	n/a
<b>Nicole Andrews</b>	David Ireland (CSIRO), Marlien Varnfield (CSIRO), Cate Sinclair (Pain Specialists Australia), Michael Deen (MSHHS), Kathleen Cooke (St Vincents), Helen Rowe (The Therapy Space), Atiyeh Vaezipour (UQ), Esther Smits (UQ)	Is app gamification effective in increasing consumer engagement and satisfaction? An evaluation of gamification for a chronic pain monitoring app	2
<b>Nicole Andrews</b>	<b>Fatima Amershi (OT)</b> , Riley O'Donohue (Psychology), Andrew Claus (TCPRC), Paul Gray (TCPRC), Trevor Russell (UQ), Joshua Simmich (UQ), Anton Pak (UQ)	Enhancing the management of chronic pain: a new eHealth model to extend onsite care and benefits back to the community	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Andrea Mc Kittrick</b>	Jason Brown, Alexandra Edmundson, Mathilde Desselle, Marita Prior	A feasibility study comparing 3D scanning technology and current standard of care when measuring limbs	
<b>Frances Thomsen</b>	Omar Breik (RBWH), <b>Sue Laracy, Karina Lewis, Michelle Donovan</b> , Alanna Chatfield (Consumer).	A Retrospective Audit of Occupational Therapy Splinting of Radial Forearm Flap Donor Sites in Head and Neck Cancer	
<b>Nathalie Collins, Hayley Kirkbride</b>	<b>Sue Laracy, Andrea Mc Kittrick</b>	Pelvic exenteration and Occupational Therapy: defining our role.	
<b>Lauren Rae</b>	<b>Emma Foley</b>	Redesigning Occupational Therapy Cancer-related Fatigue Education at RBWH	
<b>Rebekah Judd</b>	<b>Andrea Mc Kittrick</b>	Herston Hand: Enhancing patient engagement in occupational therapy the rehabilitation of the injured hand	
<b>Nicole Andrews</b>	Caitlin Hamilton (UQ), Liz Lush (Pelvic Pain, Foundation of Australia), Jenny Strong (UQ), Peter Irving (UQ), Michelle Oliver (OT Australia), Sophie Doyle (UQ)	Barriers to Occupational Therapists Specialising in the Psychosocial Management of Persistent Pain within the Private Sector	NA
<b>Nicole Andrews</b>	David Ireland (CSIRO), Andrew Claus (TCPRC), Elizabeth Hay (UQ), Lyza Burvill (UQ), Jenny Strong (UQ), Daria Westerman (Queensland Children's Hospital), Mikaela Schlumpf (Queensland Children's Hospital), Tania Rose (UQ), Pranieve Vijayakumar (CSIRO)	Acceptability of a pain history and pain education chatbot across different age groups: designing and pilot testing the Dolores mobile app	0

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Carl Lisec</b> (RBWH)	Jason Brown (RBWH), Amelia Perri, Allison Hill (RN), Amber Jones (OT), <b>Andrea Mc Kittrick</b> (OT), Anita Plaza (PT), Kate McCrossin (RBWH)	NexoBrid treatment of isolated upper limb burns versus current standard of care	3
<b>Jason Brown</b> (RBWH)	<b>Andrea Mc Kittrick</b> (OT), Mathilde Desselle (HBI), David Forrestal (HBI), Roozbeh Fakhr (HBI), Danielle Herbert (HBI), Aleksandra Edmundson (RBWH)	A pilot study to implement technology (3D Scanning and Printing) to improve long term burn facial scarring outcomes across the spectrum of care	6
Mathilde Desselle (HBI)	Lucy Holland (QUT), Roger Altizer (QUT), Natalie Bradford (QUT), Jason Brown (RBWH), Ross Brown QUT <b>Andrea Mc Kittrick</b> (OT)	Co-design of an Innovative Virtual Reality (VR) Environment as a Pain and Anxiety Augmented Relief Method in Burns Survivors and Adolescents and Young Adults (AYAs) with Cancer	8
<b>Merrilyn Banks</b> (N&D)	Christian Redd (CSIRO), David Silvera-Tawil (CISRO), Judy Bauer (N&D), Anita Plaza (PT), <b>Andrea Mc Kittrick</b> (OT), Dr Elizabeth Vujcich (RBWH), Claire Dux (N&D), Dr Qing Zhang (CISRO), Marlien Varnfield (CISRO), Dale Trevor (Consumer)	Feasibility of using wearable technology in patients with burn injury, to measure energy expenditure, and other observations, that can directly influence clinical care.	0
<b>Dr Elizabeth Vujcich</b> (Surgery)	Dr Jason Brown (Surgery), <b>Michelle Donovan</b> , Noah Beta (Surgery)	ELATE: Early versus Late Ablative CO2 Fractional Laser Treatment Evaluation	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Michelle Cottrell</b>	Perry Judd, <b>Sue Laracy</b> , Cate Carter, Jacqueline Nix, Leonie Nauman, <b>Robyn Scheer</b> , Jennifer Strong, <b>Sonia Sam</b> , <b>Elizabeth Allen</b> .	Prospective Surveillance And early Intervention for Lymphoedema (SAIL) in Breast Cancer patients: an evaluation of a standardised model of care in Metro North Hospital & Health Service.	
Genevieve Donohue (UQ)	<b>Nicole Andrews</b> , Pamela Meredith (SCU), Jenny Strong (UQ), Laura Page (CQU)	The association between spousal reactions to chronic pain and pain-related patient outcomes: a systematic review	NA
Genevieve Donohue (UQ)	<b>Nicole Andrews</b> , Pamela Meredith (SCU), Jenny Strong (UQ), Miriam Dillon (PT)	An exploration of the relational and support needs of people experiencing persistent pain from their partner using interpretative phenomenological analysis	NA
Hang Ding (UQ)	Trevor Russell (UQ), Joshua Simmich (UQ), <b>Nicole Andrews</b> , Atiyeh Vaezipour (UQ).	Evaluation framework for using conversational agents in healthcare	NA
Charlotte Brakenridge (UQ)	Venerina Johnston (UQ), Michelle Smith (UQ), Sjaan Gomersall (UQ), <b>Nicole Andrews</b> , Trevor Russell (UQ)	Identifying optimal sit-stand recommendations for the workforce	NA
Joshua Simmich (UQ)	Megan Ross (UQ), <b>Nicole Andrews</b> , Atiyeh Vaezipour (UQ), Trevor Russell (UQ)	A systematic review of pain monitoring mHealth apps	NA
Joshua Simmich (UQ)	<b>Nicole Andrews</b> , Andrew Claus (TCPRC), Megan Murdoch (PT), Trevor Russell (UQ)	Smartphone-based 6-Minute Walk Test in chronic pain: a validation study	0

## Research Publications

### Authors

Investigator	ORCID ID
Andrea Mc Kittrick	<a href="https://orcid.org/0000-0001-6647-272X">https://orcid.org/0000-0001-6647-272X</a>
Sue Laracy	<a href="https://orcid.org/0000-0002-8083-3146">https://orcid.org/0000-0002-8083-3146</a>
Nicole Andrews	<a href="https://orcid.org/0000-0002-7739-1738">https://orcid.org/0000-0002-7739-1738</a>
Erin Crofton	<a href="https://orcid.org/0000-0001-9978-544X">Erin Crofton (0000-0001-9978-544X) - ORCID</a>
Karina Lewis	<a href="https://orcid.org/0000-0001-6965-0296">Karina Lewis (0000-0001-6965-0296) - ORCID</a>

### Publications in 2023

#### Journal Articles (RBWH staff in bold)

**Crofton E**, Meredith P, Gray P, Strong J. Use of sensory modulation approaches to improve compression garment adherence in adults after burn: An e-Delphi study. *Burns*. 2023 Mar 1;49(2):353-64. doi: 10.1016/j.burns.2022.04.001

Desselle MR, **Mc Kittrick A**, Brown J, Chamorro-Koc MI, Caldwell GA. Open innovation voices and choices: case studies of designing interactive virtual reality experiences in Australian public hospitals. In proceedings of the 34th Australian Conference on Human-Computer Interaction 2022 Nov 29 (pp. 117-125). doi.org/10.1145/3572921.3572928

Zhang B, Bo AP, **Mc Kittrick A**, Tornatore G, **Laracy S**, Townsend L, Desselle M. Handy Juice Bar: a Hand Rehabilitation Game using Immersive VR and Finger Tracking. In 2022 IEEE 10th International Conference on Serious Games and Applications for Health (SeGAH) 2022 Aug 10 (pp. 1-6). IEEE. doi: 10.1109/SEGAH54908.2022.9978599

McNamara K, Bo AP, **Mc Kittrick A**, Tornatore G, **Laracy S**, Desselle M. Markerless Motion Capture System to Detect Upper Limb Movement during Rehabilitation using Video Games. In 2022 IEEE 10th International Conference on Serious Games and Applications for Health (SeGAH) 2022 Aug 10 (pp. 1-6). IEEE. doi: 10.1109/SEGAH54908.2022.9978581

**Mc Kittrick A**, Gustafsson L, Hodson T, Di Tommaso A. Exploration of individuals perspectives of recovery following severe hand burn injuries. *Burns*. 2023 Mar 1;49(2):467-75. <https://doi.org/10.1016/j.burns.2022.04.026>

### Journal Articles (RBWH staff in bold)

**Andrews NE**, Ireland D, Deen M, Varnfield M. Clinical Utility of a mHealth Assisted Intervention for Activity Modulation in Chronic Pain: The Pilot Implementation of Pain ROADMAP. *European Journal of Pain*. 27 (6), 749-765. doi: 10.1002/ejp.2104

**Andrews NE**, Ireland D, Vijayakumar P, Burvill L, Hay E, Westerman D, Rose T, Schlumpf M, Strong J, Claus A. Acceptability of a Pain History Assessment and Education Chatbot (Dolores) Across Age Groups in Populations With Chronic Pain: Development and Pilot Testing. *JMIR Formative Research*, 7 ARTN e47267, 1-17. DOI:10.2196/47267

Simmich J, Ross MH, **Andrews NE**, Vaezipour A, Russell TG. Content and quality of mobile apps for the monitoring of musculoskeletal or neuropathic pain in Australia: A systematic evaluation. *JMIR mHealth and uHealth*, 11 (1) e46881, 1-11. doi:10.2196/46881

**Mc Kittrick A**, Desselle MR, Padilha Lanari Bo A, Zhang B, **Laracy S**, Tornatore Giovanna. Patient Experience in Adjunct Controller-free Hand Tracking Virtual Reality Tasks for Upper-Limb Occupational Therapy Rehabilitation. *Journal of Patient Experience*. 2023 Nov. <https://doi.org/10.1177/23743735231211983>

**Mc Kittrick A**, Gustafsson L, Hodson T, Di Tommaso A. Clinical utility and validity testing of a co-designed outcome measure for hand burn injuries. *Burns*. 2023 Nov 17. <https://doi.org/10.1016/j.burns.2023.11.002>

Ding H, Simmich J, Vaezipour A, **Andrews N**, Russell T. Evaluation framework for conversational agents with artificial intelligence in health interventions: a systematic scoping review. *Journal of the American Medical Informatics Association*. 2024 Mar 1;31(3):746-61. doi: 10.1093/jamia/ocad222.

### Book Chapters (RBWH staff in bold)

**Andrews, Nicole E**. Participating in life roles through self-management. *Pain: a textbook for health professionals*. (pp. 137-143) 3rd Edition. Edited by Hubert van Griensven and Jenny Strong.

### Keynote or Plenary Lectures given in 2023.

Date	Title
21/06/2023	When knowledge is not enough: repurposing key feature questions to evaluate real world outcomes. <b>Andrea Mc Kittrick</b>
12/09/2023	3D printed TFO's - ANZBA 2023 <b>Andrea Mc Kittrick</b>
12/09/2023	ANZBA 2023 Allied Health Forum - <b>Andrea Mc Kittrick</b>
12/10/2023	Multidisciplinary Trauma Forum - <b>Andrea Mc Kittrick</b>

# Physiotherapy

## Research highlights

It has been another outstanding year of research and quality improvement initiatives for the RBWH Physiotherapy department. Over sixty active research projects were undertaken across the department, including 44 with a Physiotherapy Department staff member as Principal Investigator, and another 17 projects undertaken in collaboration with other departments and institutes across Queensland and Australia. This commitment to our research program is reflected in the >\$14.5M grant/project funding being awarded towards 25 current research grants, including three research grants distributed to clinicians (Beth Cunningham, Elise Byrne, Olivia Wright) of the Physiotherapy Department through the Physiotherapy Research Fund. Thirty-nine peer-reviewed journal articles were published, while five staff continue to progress towards completing their Research Higher Degrees. Of particular note, 14 staff presented their research findings at the biennial Australian Physiotherapy Association national conference. The department's outputs were also showcased at our annual RBWH Physiotherapy Department Research Symposium, held virtually over three one-hour sessions. Seventeen projects were presented with more than 100 attendees from both within the department and across Queensland. The department's research success has also been highlighted through awards to Anita Plaza (Best Oral Presentation – Australian Physiotherapy Association Cardiorespiratory) and Michelle Cottrell and Mark Cruickshank as members of the Metro North Telehealth Co-design Project (Metro North Research Excellence Awards – Consumers in Research).

As a clinical impact spotlight, Janelle Heine (Emergency Physiotherapy Practitioner) and Shaun O'Leary (Conjoint Research Fellow) were chief investigators in "Reinforcing Informed Medication prescription for low back pain in the Emergency department (RIME): a controlled interrupted time-series implementation study", funded through a HCF Translational Research Grant, and in collaboration with the RBWH & TPCH Emergency Trauma Centres and Jamieson Trauma Institute (JTI). This study sought to adapt and implement an intervention bundle, already shown to effectively improve adherence to low back pain (LBP) management guidelines within the ED setting and evaluate its impact on LBP guideline adherence within the RBWH context.

As a department we were recipients of a 2022 RBWH Foundation Extraordinary Grant, where co-design principles were employed to undertake an overhaul of current patient information resources and practices. Seventy-eight consumers, alongside numerous clinical staff, from across the spectrum of Physiotherapy clinical areas were engaged in this project. This effort resulted in the re-design of patient information resources (including translation into several prevalent languages), a significant update of the RBWH Physiotherapy external webpage, and guiding principles/expectations to how future consumer publications are to be completed.

The Physiotherapy Department also continues to develop strong research collaborations with both academic institutes and industry partners through our existing Conjoint Research Fellow positions. A/Prof Shaun O'Leary continues in his appointment with the University of Queensland, while Dr Samantha Bunzli has firmly established herself as an integral part of the department during her first year as the Conjoint Research Fellow with Griffith University. Through research higher degrees, collaborations continue to be forged locally (for example with Queensland University of Technology, University of Queensland and the Australian Catholic University), and internationally (University of Alberta, Canada).

## Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
<b>Peter Thomas</b>	Local CAHRLI Award for initiative "COVID-19 Guidelines: A local response with international impact"	CAHRLI Local Awards 2022
<b>Anita Plaza</b>	Award for Best Clinician/Practitioner Paper - Cardiorespiratory	APA Conference
Kelsey Pateman (RBWH CAHR), Anja Christoffersen (consumer), <b>Michelle Cottrell</b> , Clare Burns (RBWH SP), Amber Jones (TPCH OT), Emily Arthur (TPCH ND), Peter Button (consumer), Gary Power (consumer), Linda Cuskelly (MN Telehealth), Kate Dickson (RBWH Critical Care), <b>Mark Cruickshank</b>	Consumer in Research Award	MN Research Excellence Awards

Recipient (RBWH staff in bold)	Award	Event
<b>Shaun O'Leary</b>	Citation for Outstanding Contribution to Teaching	2023 University of Queensland School of Health and Rehabilitation Sciences Awards Night

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Helen McLaughlan (DFS), Robin Hay (DFS), <b>Elizabeth Ryan (Physiotherapy)</b> , Andrea Cawte (DFS), Mala McHale (Psychology), Kelsey Pateman (CAHR)	Dietetics & Food Services, Physiotherapy, Psychology, Centre for Allied Health Research	Paving the way: Demonstrating a health practitioner led complex obesity management pathway can improve health outcomes and develop research capacity	Office of the Chief Allied Health Officer	\$151,010	3 years, 2023-2025
<b>Mark Cruickshank (on behalf of Physiotherapy Department)</b>	RBWH Physiotherapy Department	"Hitting the refresh button" – co-designing contemporary and inclusive patient education and information resources for the RBWH Physiotherapy Department	RBWH Foundation	\$48,789	1 year, 2023
<b>Miriam Dillon</b>	RBWH Physiotherapy Department	Enhancing how physiotherapists respond to distress experiences of patients with low back pain	RBWH Foundation	\$39,633	1 year, 2023
<b>Natalie Kruger</b>	RBWH Physiotherapy Department	Exploring and optimising the understanding and training of the lymphatic system and lymphoedema among Australian medical graduates	RBWH Foundation	\$39,633	1 year, 2023
<b>Prudence Butler</b>	RBWH Physiotherapy Department	Injury perceptions, pain and mental health symptom trajectories after traumatic orthopaedic extremity injuries	RBWH Foundation	\$39,633	1 year, 2023
Michele Sterling (UQ), Rachel Elphinston, Nadine Foster (STARS/UQ), Julia Treleaven (UQ), Roma Forbes (UQ), <b>Shaun O'Leary (UQ/RBWH)</b> , Haitham Tuffaha (UQ), Jason Lodge (UQ), Johanna Lynch (UQ)	RECOVER Injury Research Centre, MNHHS (STARS; RBWH Physiotherapy Department), University of Queensland, Curtin University, University of Sydney	Implementing integrated psychological and physical care for Australians after road traffic injury	Medical Research Future Fund	\$1,485,339	5 years, 2023-2027
Ivan Lin (Curtin Uni), <b>Samantha Bunzli</b> , Michelle Dowsey (UOM), Peter Choong (UOM)	Curtin University, University of Melbourne	Develop culturally appropriate arthritis information and education resources that address the needs of Aboriginal and Torres Strait Islander peoples	Arthritis Australia and Commonwealth Government	\$337,051	4 years, 2020-2023



Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Christian Barton (La Trobe), Michelle Dowsey (UOM), Peter Choong (UOM), Zanfina Ademi (Monash Uni), Anne Smith (UOM), Kay Crossley (UOM), Jamie Wallis (UOM), Ilana Ackerman (UOM), <b>Samantha Bunzli</b> , Joanne Kemp (La Trobe)	La Trobe Uni, Uni of Melbourne, Monash Uni	Reducing inappropriate knee joint replacement surgery and hospital burden	Medical Research Future Fund	\$1,330,000	4 years, 2021-2024
Christopher Schilling (UOM), Michelle Dowsey (UOM), <b>Samantha Bunzli</b> , Peter Choong (UOM)	University of Melbourne	Improving patient selection for total knee replacement	HCF Foundation	\$295,000	4 years, 2020-2023
<b>Michelle Cottrell</b> , Clare Burns (RBWH SP), Amber Jones (RBWH OT), Adrienne Young (RBWH ND), Kelsey Pateman (RBWH AHP), Gary Power (RBWH CAG), Anja Christoffersen (RBWH CAG), Linda Cuskelly (MN HEI), Peter Buttrum (RBWH AHP), Kate Dickson (RBWH Crit Care & Clin Supp)	RBWH Allied Health Professions; Critical Care and Clinical Support Service, Consumer Advisory Group	Partnering with consumers to optimise engagement with telehealth services within Metro North Health: an experience-based co-design approach (Stage 2)	CEQ Telehealth Support Unit	\$90,000	2 years, 2022-2023
Nadine Foster (UQ), Jenny Setchell (UQ), Thorbjorn Loch-Wilkinson (RBWH N/Surg), <b>Shaun O'Leary</b> , Gregory Cunningham (UWA), Mark Chatfield (UQ), Tracy Comans (UQ), Paul Hodges (UQ), Paul Gray (RBWH Pain), <b>Maree Raymer</b> , <b>Patrick Swete Kelly</b> , David Beard (Oxford Uni), Sashin Ahuja (Oxford Uni), Andrew Claus (RBWH Pain)	MNHHS (STARS; Physiotherapy RBWH, N/OPSC & MDS; Tess Crammond MPRC, Neurosurgery) UQ SHRS, Faculty of Medicine; Fiona Stanley Hospital; University of Oxford; Cardiff and Vale University Health Board	The clinical and cost-effectiveness of lumbar fusion surgery for patients with persistent, severe low back pain: FusiOn verSus bEst coNServative Care (the FORENSIC trial)	NHMRC-NIHR	\$2,424,160	6 years, 2022-2027
<b>Shaun O'Leary</b> , <b>Janelle Heine</b> , <b>Michelle Cottrell</b> , Gary Mitchell (ETC) Jacelle Warren (JTI), Nadine Foster (UQ/STARS), Panos Barlas (JTI), Tanya Smyth (JTI)	Physiotherapy Department, Emergency Trauma Centre (ETC), Jamieson Trauma Institute	Reducing Inappropriate Medications for low back pain in the Emergency department (RIME): a controlled interrupted time-series implementation study	HCF Foundation	\$289,316	4 years, 2022-2025
<b>Joanna Hargreaves</b>	RBWH Physiotherapy Department	Motivation for clinical education in Physiotherapists - development of a workforce assessment instrument	DOPSQ	\$20,195	2 years, 2022-2023
<b>Olivia Wright</b> , Marie-Pierre Cyr (UQ), <b>Lorelle Hawes</b> , <b>Prudence Butler</b>	RBWH Physiotherapy Department, UQ	Peripartum experiences of first-time mothers with a history of genito-pelvic pain: a qualitative study	RBWH Physiotherapy Department	\$17,492.90	2 years, 2023-2024

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Segon B, Marilyn Banks, Redd C, Silvera-Tawil D, Bauer J, <b>Anita Plaza</b> , Andrea McKittrick, Vujcich L, Jason Brown (RBWH Burns)	RBWH, CSIRO	Accuracy and acceptability of wearable sensors in patients with burn injury to measure energy expenditure	RBWH Foundation	\$153,582	2 years, 2022-2023
Peter Choong (UOM), Jonathan Clarke (Sydney Uni), Payal Mukherjee (Sydney Uni), Gordon Wallace (Uni Wollongong), Claudia Di Bella (UOM), Simon Moulton (Swinburne Uni), Serena Duchi (UOM), Cathal O'Connell (RMIT), Stephen Beirne (Uni Wollongong), Sanjeev Gambhir (Uni Wollongong), Johnson Chung (Uni Wollongong), Ruta Gupta (Sydney Uni), Michelle Dowsey (UOM), Tim Spelman (UOM), David Castle (UOM), Nora Shields (La Trobe Uni), Claire Tanner (Monash), John Gardner (Monash), <b>Samantha Bunzli</b> , Philip Clarke (UOM), Chris Schilling (UOM), Sharon Sagnella (RPA), Andrew Ronchi (UOM), Emma Rushbrooke (UOM), Joseph Dusseldorp (Sydney Uni)	University of Melbourne, University of Sydney, University of Wollongong, Swinburne University of Technology, RMIT University, La Trobe University, Monash University	Cartilage-based stem cell therapies for joint deformity and facial disfigurement. A framework for point-of-care manufacturing and delivery (ARISTOCRAT)	Medical Research Future Fund	\$6,900,000	6 years, 2022-2027
<b>Beth Cunningham, Peter Window, Lindsay Hepnar</b> , Robyn Lamont (UQ), Sandy Brauer (UQ), John O'Sullivan (RBWH Neurology), Robert Adam (RBWH Neurology), Shayani Upadhyay (RBWH Neurology)	RBWH Physiotherapy Department, UQ, RBWH Neurology	Access to Physiotherapy for patients with Parkinson's disease attending the Royal Brisbane and Women's Hospital Movement Disorder Clinic	RBWH Physiotherapy Department	\$17,498	2 years, 2023-2024
<b>Elise Byrne, Peter Thomas</b> , Oystein Tronstad (TPCH), Marc Nickels (Ipswich), Alison Blunt (PAH), Mark Strong (PAH), Kate McCleary (SCUH), Kye Grant (SCUH), Sonja Schonfeldt (TUH), Nathan Peacock (TUH), Morag Shealy (Redcliffe), Shawnika Dass (Redcliffe), Lauren O'Connor (GCUH), Liam Picard (Hervey Bay), Vicki Schweitzer (Logan)	RBWH Physiotherapy Department, TPCH, Ipswich Hospital, PA Hospital, SCUH, TSH, Redcliffe Hospital, GCUH, Hervey Bay Hospital, Logan Hospital	MOVIN in ICU An observational study of Mobilisation On Vasopressors & INotropes in intensive care.	RBWH Physiotherapy Department	\$20,070.08	2 years, 2023-2024
Carl Lisec (RBWH Burns), Jason Brown (RBWH Burns), Amelia Perri (RBWH ICU), A Hill, Andrea McKittrick, Amber Jones (TPCH), <b>Anita Plaza</b>	RBWH	A pilot study assessing the feasibility of NexoBrid versus the current standard of care of isolated upper limb burns: A solution to "the perfect crime"?	RBWH Foundation	\$75,305	2 years, 2022-2023

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Jayesh Dhanini (RBWH ICU), Carl Lisec (RBWH Burns), Michael Reade (RBWH ICU), Paul Gray (RBWH Pain Services), Jason Roberts (RBWH ID), Andrew Claus (RBWH Pain Services), Amelia Perri (Dalby Hospital), Cheryl Fourie (RBWH ICU), Amelia Livermore (RBWH ICU), Jason Pincus (RBWH ICU), <b>Anita Plaza</b>	RBWH ICU, Burns, Pain, Physiotherapy	The IDEAS-B Study: Evaluating whether nebulized dexmedetomidine can be used for pain management	RBWH Foundation	\$59,252.40	3 years, 2023-2025
Leanne Bisset (Griffith Uni), <b>Samantha Bunzli</b> , Tracey Johnson (Uni of SA), Kerrie Evans (Sydney Uni), Brooke Coombes (Griffith Uni), Jamie Nuttall (Inala Primary Care), Suzanne Williams (Inala Primary Care)	Griffith University, Sydney University, Inala Primary Care	Sharing the Pain. Improving access to community-based chronic pain care	Health Translation Queensland	\$1,000	1 year, 2023
Christopher Carty (GCORE), Elyse Passmore (RCH), Pam Thomason (RCH), Henry Patrick (CHQ), John Walsh (CHQ), Teresa Phillips (CHQ), Leanne Dwan (SCHN), Anita Mudge (SCHN), Benjamin Patrilli (SALHN), Anna Murphy (Monash Health), <b>Michelle McGrath</b> , Alan Wee-Chung (Griffith Uni), Luca Modenese (UNSW), Oren Tirosh (Swinburne University), Roslyn Boyd (UQ), Shaneen Leishman (UQ), Eric Rutz (Uni Melb), Thor Besier (Uni Auckland), Julie Choisne (Uni Auckland), Michael Schwatz (Fillette Children's Speciality Healthcare)	Multiple national hospital and academic institutions	National clinical motion analysis databank	Medical Research Future Fund	\$2,498,406	5 years, 2023-2027

## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Andrew Statham</b>	Christopher Smith, Peter Window	Evaluation of the implementation of Revised Achilles Rupture non-operative protocol	N/A
<b>Anita Plaza</b>	<b>Julie Adsett, Brooke Mulliss</b> , Prue McRae (IMRU), Alison Mudge (IMRU), Allison Hill (RBWH Burns), Andrea McKittrick (RBWH OT)	Enablers and barriers to participation in physical activity programs while hospitalised after burn injury	
<b>Beth Cunningham</b>	<b>Peter Window, Lindsay Hepnar</b> , Robyn Lamont (UQ), Sandy Brauer (UQ), John O'Sullivan (RBWH Neurology), Robert Adam (RBWH Neurology), Shayani Upadhyay (RBWH Movement Disorders)	Access to Physiotherapy for patients with Parkinson's disease attending the Royal Brisbane and Women's Hospital Movement Disorder Clinic	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Elise Byrne</b>	<b>Peter Thomas</b> , Oystein Tronstad (TPCH), Marc Nickels (Ipswich), Alison Blunt (PAH), Mark Strong (PAH), Kate McCleary (SCUH), Kye Grant (SCUH), Sonja Schonfeldt (TUH), Nathan Peacock (TUH), Morag Shealy (Redcliffe), Shawnika Dass (Redcliffe), Lauren O'Connor (GCUH), Liam Picard (Hervey Bay), Vicki Schweitzer (Logan)	MOVIN in ICU An observational study of Mobilisation On Vasopressors & INotropes in intensive care	
<b>Elizabeth Ryan</b>	Andrea Cawte, (RBWH ND), <b>Leonie Naumann</b> , Robin Hay (RBWH ND), Helen MacLaughlin (RBWH ND), <b>Peter Window</b> , Gemma Woodruff (RBWH Pharmacy)	Improving multidisciplinary management of patients living with obesity: The evaluation of seated bioimpedance measures and relationship to functional performance following targeted intervention	0
<b>Ellie Hawkins</b>	<b>Julie Adsett</b> , Karen Healy (RBWH Cardiac Rehab), Georgina White (RBWH Cardiac Rehab)	Inpatient education and referral to outpatient Cardiac Rehabilitation: patient recall and perceptions following discharge	0
<b>Janelle Heine</b>	<b>Shaun O'Leary</b> , Panos Barlas (JTI), Jacelle Warren (JTI), Tanya Smyth (JTI), <b>Michelle Cottrell</b> , Tracy Comans (UQ), Nadine Foster (UQ), Gary Mitchell (RBWH ETC), William See (TPCH), Emma Ballard (QIMR), Gustavo Machado (Sydney Uni)	Reducing Inappropriate Medications for low back pain in the Emergency Department (RIME): a controlled interrupted time-series implementation study	N/A
<b>Joanna Hargreaves</b>	<b>Peter Window</b> , Kareen Stringer	Future proofing training and support for RBWH Physiotherapy Clinical Educators Phase 3: Evaluate outcomes of the CE Resource Roster redesign	N/A
<b>Joanna Hargreaves</b>	<b>Shaun O'Leary</b> , Deanne Gannaway (UQ)	Motivation for clinical education in Physiotherapists - development of a workforce assessment instrument	N/A
<b>Joanna Hargreaves</b>	<b>Shaun O'Leary</b> , Deanne Gannaway (UQ)	Identifying factors that underlie physiotherapists' participation in clinical education for entry-level student placements: a cross-sectional analysis of the QPHS physiotherapy workforce	N/A
<b>Julie Adsett</b>	Alison Mudge (IMRU), Prue McRae (EWE), Margaret Cahill (EWE), Morag Shealy, Elise Treleaven (EWE), Emily Harvey (EWE)	Time to get moving: Evaluation of an evidence-based, multicomponent tailored intervention to improve hospital mobility	
<b>Leonie Naumann</b>	<b>Hayley Fitcher</b> , <b>Michelle Cottrell</b>	Increasing exercise participation in the cancer care wards at Royal Brisbane and Women's Hospital	0
<b>Laura Murphy-Shaw</b>	<b>Peter Window</b> , <b>Michelle Cottrell</b>	Implementing a professional support and clinical supervision framework into a large physiotherapy department in an Australian public hospital	N/A
<b>Leonie Naumann</b>	Hildegard Ruel-Hirche, Amanda Pigott (UQ), Jodie Nixon (PAH)	Advanced lymphedema course quality evaluation	0
<b>Lorelle Hawes</b>	<b>Catherine Willis</b> , <b>Olivia Wright</b> , <b>Michelle Cottrell</b>	Transcutaneous Tibial nerve Stimulation (TTNS) for the management of overactive bladder syndrome – a service evaluation	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Mark Cruickshank</b>	<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)	0
<b>Michelle Cottrell</b>	<b>Shaun O’Leary</b> , <b>Maree Raymer</b> , <b>Patrick Swete Kelly</b> , <b>Peter Window</b> , Simon Whitehart, Liam Maclachlan (RBWH Neurosurgery), Thorbjorn Loch-Wilkinson (RBWH Neurosurgery)	Addressing safety and comprehensiveness concerns for neurological examination via telehealth in patients with low back pain	7
<b>Michelle Cottrell</b>	Perry Judd, Sue Laracy (RBWH OT), Cate Carter (RDH), Jacqueline Nix (RDH), <b>Leonie Naumann</b> , Robyn Scheer (RBWH OT), Jennifer Strong (RBWH OT), <b>Sonia Sam</b>	Prospective surveillance and early intervention for lymphoedema (SAIL) in Breast Cancer patients: an evaluation of a standardised model of care in Metro North Hospital and Health Service	
<b>Michelle Cottrell</b>	Clare Burns (RBWH SP), Amber Jones (RBWH OT), Adrienne Young (RBWH ND), Gary Power (CAG), Anja Christoffersen (CAG), Linda Cuskelly (MN HEI), Peter Buttrum (RBWH AHP), Kate Dickson (RBWH SOPD), Emily Arthur (RBWH AHP), Peter Button (Consumer)	Partnering with consumers to optimize engagement with telehealth services within Metro North Health: an experience-based co-design approach	9
<b>Michelle Cottrell</b>	Kelsey Pateman (RBWH AHP), <b>Sarah Featherston</b>	Determining competency and training requirements of Metro North physiotherapists providing care via telehealth	N/A
<b>Michelle McGrath</b>	James Wood, Venerina Johnston (RECOVER UQ), Esther Smits (RECOVER UQ), <b>Peter Window</b>	Gait Classification Following Traumatic Brain Injury	
<b>Michelle McGrath</b>	<b>Peter Window</b> , John Walsh (Mater), <b>James Wood</b>	The effect on treatment outcome as the result of a pre-treatment Three-Dimensional Gait Analysis (3DGA) in adults with a complex pathological gait.	0
<b>Michelle McGrath</b>	<b>James Wood</b>	The use of 3-dimensional gait analysis and its efficacy on the adult population – A Systematic review	N/A
<b>Michelle McGrath</b>	<b>James Wood</b>	Normative Gait Parameters using 3D-Gait Analysis in Adults	2
<b>Miriam Dillon</b>	Jenny Setchell (UQ), Rebecca Olson (UQ), Maxi Miciak (Uni Alberta), <b>Peter Window</b> , <b>Matthew Stewart</b> , Anja Christoffersen	Enhancing how physiotherapists respond to distress experiences of patients with low back pain	0
<b>Miriam Dillon</b>	<b>Peter Window</b> , Simon Kilner (RBWH Psychology), Michael Hockey, Fatima Amershi (RBWH OT), <b>Matthew Stewart</b> , Michelle Cottrell, Natalie Barthel (Consumer)	Time for a new approach? Enhancing patient-centred pain management through collaborative pain education	9
<b>Nanette Paxman</b>	<b>Sonia Sam</b> (RBWH AHP), <b>Michelle Cottrell</b> , Makarla Stead (RBWH Peri-op), Debra McDonald (RBWH Peri-op), <b>Peter Thomas</b>	“Breathe, Wiggle and Walk” after surgery: Does preadmission physiotherapy influence elective surgery outcomes at the RBWH? A retrospective evaluation using health information databases	0
<b>Olivia Wright</b>	Marie-Pierre Cyr (UQ), <b>Lorelle Hawes</b> , <b>Prudence Butler</b>	Peripartum experiences of first-time mothers with a history of genito-pelvic pain: a qualitative study	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Peter Bryan</b>	<b>Peter Window, Joanna Hargreaves, Catherine Sharpe, Ruth McKendry</b> , Rob Laukens (RBWH O+P)	Evaluation of the Outcomes of Pneumatic Post Amputation Mobility Aids in Early Rehabilitation of Lower Limb Amputees	0
<b>Peter Bryan</b>	<b>Peter Bryan</b> , Phillipa Ault, Rob Laukens (O&P), Murray Ogg (RBWH Rehab), <b>Peter Window</b>	Outcomes from Partial Foot Amputations at the Royal Brisbane and Women's Hospital – A Retrospective Audit	0
<b>Peter Thomas</b>	Michelle Paton (Alfred Hospital)	Minimum staffing levels and staff qualifications for physiotherapists working in intensive care units in Australia and New Zealand: a modified Delphi technique	0
<b>Peter Thomas</b>	Caitlain Cawte, <b>Stella Foley, Ellie Hawkins, Charlotte Jackson, Charlotte Kiemann</b> , Andrew Kim, Megan Moore, <b>Nanette Paxman, Ashlee Snoswell, Andrew Statham</b> , Bronte Wilson, <b>Nadine Young</b>	Mobilisation after pelvic exenteration surgery: a retrospective audit	100
<b>Peter Window</b>	<b>Shaun O'Leary, Maree Raymer</b> , Steven McPhail (AusHSI), Bill Vicenzino (UQ), Thivanka Rodrigo (UQ)	Choosing non-surgical multidisciplinary management of knee osteoarthritis in tertiary care wisely: prospective validation of a clinical prediction rule	0
<b>Peter Window</b>	<b>Miriam Dillon</b> , Scott Ruddell (RBWH Psych), Mary-Rita Lane (RBWH OT), Perry Judd	OnTRACC - Optimising Treatment Adherence in Chronic Spinal Conditions	0
<b>Peter Window</b>	<b>Michelle McGrath</b> , Daniel Harvie (Griffith Uni), Esther Smits (UQ RECOVER), Venerina Johnston (UQ), <b>Megan Murdoch</b> , Grahame Milne, Trevor Russell (UQ RECOVER)	The effect of simulating functional tasks during an immersive virtual reality environment on pain and fear of movement in people with chronic non-specific low back pain	3
<b>Prudence Butler</b>	Michele Sterling (UQ RECOVER), Melita Giummarra (UQ), <b>Shaun O'Leary</b> , Nigel Armfield (UQ), Gerrit van de Pol (RBWH Ortho)	How people understand broken limbs: A qualitative descriptive study	10
<b>Prudence Butler</b>	Melita Giummarra (Monash Uni), <b>Shaun O'Leary</b> , Nigel Armfield (UQ), Gerrit van de Pol (RBWH), Michele Sterling (UQ)	Injury perceptions, pain and mental health symptom trajectories after traumatic orthopaedic extremity injuries	Recruitment complete
<b>Samantha Bunzli</b>	<b>Peter Window, Prudence Butler, Mark Cruickshank</b>	Enhancing Impactful Quality Improvement in Physiotherapy (EQUIP)	N/A
<b>Sally Yin</b>	Prue McRae (IMRU), <b>Julie Adsett</b> , Margaret Cahill (IMRU), Alison Mudge (IMRU), Theresa McCurdie (EWE), Elise Treleaven (EWE)	Improving mobility documentation and communication to enhance efficiencies	0
<b>Sally Yin</b>	Prue McRae (IMRU), <b>Julie Adsett</b> , Margaret Cahill (IMRU), Alison Mudge (IMRU)	Can. Do? Understanding whether patients who can mobilise, do mobilise to their potential	
<b>Scott Russell</b>	<b>Peter Window</b> , Simon Whitehart, Jane Mason (RBWH Haem)	Does the use of video-conferencing in physiotherapy consultations of adult patients with haemophilia change clinical recommendations when compared to audio-conferencing?	0
<b>Shaun O'Leary</b>	Bill Vicenzino (UQ), Merrill Turpin (UQ)	Exploring the utility of the Feedback Action Planning Form in improving a student's use of feedback in the clinical education setting	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Shaun O'Leary</b>	Gwendolyn Jull (UQ), Stephen McPhail (PAH), Glen Volker, Peter Tonks (PAH)	Physical Therapy for Neck Pain – Are we moving in the right direction?	0

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Alison Mudge (IMRU)	Adrienne Young (RBWH ND), Teresa Green (STARS), Aparna Arjunan (STARS), Niru Mahendran (UQ), <b>Julie Adsett</b> , Penny Burfein (STARS), Gio Tornatore (STARS), Ian Parker (STARS), Julia McLeod (STARS), Janette Moore (Consumer), Dan Trestrail (Consumer)	Stratifying Trajectories After Rehabilitation (STAR): prospective study of the impact of frailty on recovery trajectories following inpatient rehabilitation	0
Ann Holland (La Trobe University)	<b>Kermeen Kansara</b> (RBWH), Joanne Fuller (RBWH Thoracic Medicine)	HomeBase2: An implementation trial to improve access to pulmonary rehabilitation in people with COPD	28
Ben Glenwright (Cairns Hospital)	<b>Shaun O'Leary</b> , Trevor Russell (UQ), <b>Michelle Cottrell</b> , Ben Parkinson (Cairns Hospital)	Consensus regarding patient characteristics and clinical indicators contradicting the use of the NICE Guidelines in individual patients post Total Hip Replacement – a e-Delphi Study	0
Carl Lisec (RBWH Burns)	A Perri, A Hill, Amber Jones (RBWH OT), <b>Anita Plaza</b> , Aleksandra Edmundson, Andrea McKittrick (RBWH OT), Kate McCrossin (RBWH Anaesthetics)	A pilot study assessing the feasibility of NexoBrid versus the current standard of care of isolated upper limb burns: A solution to “the perfect crime”?	3
Carolin Bontrup (UQ)	Venerina Johnston (UQ), <b>Shaun O'Leary</b> , Remko Soer (University of Groningen)	Ageability in the ageing worker	N/A
Chen D (Griffith Uni Honours)	Norm Morris (TPCH), Louis M (TPCH), <b>Julie Adsett</b> , Rita Hwang (PAH)	Comparing the responses to the 60 second sit to stand test and the six-minute walk tests in heart failure	0
Christopher Carty (GCORE)	Elyse Passmore (RCH), Pam Thomason (RCH), Henry Patrick (CHQ), John Walsh (CHQ), Teresa Phillips (CHQ), Leanne Dwan (SCHN), Anita Mudge (SCHN), Benjamin Patriitti (SALHN), Anna Murphy (Monash Health), <b>Michelle McGrath</b> , Alan Wee-Chung (Giffith Uni), Luca Modenese (UNSW), Oren Tirosh (Swinburne University), Roslyn Boyd (UQ), Shaneen Leishman (UQ), Eric Rutz (Uni Melb), Thor Besier (Uni Auckland), Julie Choisne (Uni Auckland), Michael Schwatz (Fillette Children's Speciality Healthcare)	National clinical motion analysis databank	0
Elise Gane (PAH)	<b>Shaun O'Leary</b> , Caroline Speksnijder (Uni Medical Centre Utrecht)	Neck rehabilitation after neck dissection for head and neck cancer: a pilot intervention study	N/A
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	0
Luke Churchill (TPCH)	Allison Mandrusiak (UQ), Oystein Tronstad (TPCH), Jennifer Paratz, <b>Peter Thomas</b> , Lawrence Caruana (TPCH), Stacey Verner Wren (TPCH), Anna-Liisa Sutt (RBWH Peri-op)	Determining the safety and benefits of exercising tracheostomised mechanically ventilated patients with a Passy-Muir Speaking valve	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Luke Churchill (TPCH)	Oystein Tronstad (TPCH), Allison Mandrusiak (UQ), <b>Peter Thomas</b> , Christopher Allen, Ramsy DSouza	Can lung ultrasound predict post-operative pulmonary complications in high-risk post-operative cardiac surgery patients?	0
Merrilyn Banks (RBWH ND)	<b>Anita Plaza</b> , Christian Redd, David Silvera (CSIRO), Judy Bauer (RBWH ND), Andrea McKittrick (RBWH OT), Elizabeth Vujcich, Claire Dux (RBWH ND), Zhang Qing (CSIRO), Marlien Varnfield (CSIRO), Dale Trevor (Consumer)	Feasibility of using wearable sensors in patients with burn injury, to measure energy expenditure and other observations, that can directly influence clinical care	0
Mikaela Lynch (UQ)	Trevor Russell (UQ), Rachele Pitt (AHPOQ), <b>Leonie Naumann</b>	Essential components of Self-Management for Cancer Related Lymphoedema: a Delphi Study	N/A
Panos Barlas (JTI)	Michael Schuetz (JTI), Esther Jacobson. (JTI), Jerry Van de Pol (RBWH Ortho), Richard Hanly (RBWH Ortho), <b>Christopher Smith</b> , <b>Michelle McGrath</b> , Manzanero.S	Validity of smart shoe inserts to measure weight-bearing in Aircast® boots.	
Peter Buttrum (RBWH AHP)	<b>Shaun O'Leary</b> , Adrienne Young (RBWH ND), Diann Eley, Merrilyn Banks (RBWH ND), Nicole Marsh, <b>Mark Cruikshank</b> , James Elliott (Sydney Uni), Nicholas Talley (Uni Newcastle), Scott Bell (UQ)	Sustainable career pathways for clinician-scientists in Australian public health	0
Sabrina Hernandez (Eastern Health)	Claire Tipping (Alfred Hospital), Adam Deane (UOM), Wendy Bower (RMH), <b>Peter Thomas</b> , Eldho Paul (Monash Uni), Alex Adamides (RMH), Carol Hodgson (Monash Uni)	A prospective study of early mobilisation following aneurysmal subarachnoid haemorrhage	0
Jayesh Dhanani (RBWH Intensivist)	Carl Lisec (RBWH Burn Surgeon), Michael Reade (RBWH Intensivist), Paul Gray (RBWH Anaesthetics), Jason Roberts (RBWH Pharmacy), Andrew Claus (RBWH Pain service), Amelia Perri, Cheryl Fourie (RBWH ICU Nursing / Research), Amelia Livermore, Jason Pincus (RBWH Anaesthetics), <b>Anita Plaza</b>	Evaluating whether nebulized dexmedetomidine can be used for pain management in burn injury dressing changes: A phase III pilot feasibility, randomized controlled crossover trial. (The IDEAS-B study)	5
Ben Glenwright (Cairns Hospital)	<b>Michelle Cottrell</b> , <b>Shaun O'Leary</b> , Trevor Russell (UQ RECOVER), Mark Gooding (Townsville), Daniel Lockhart (Mackay)	Co-designing a self-directed rehabilitation care pathway following Primary Total Hip Replacement	N/A

## Research Activity With a Specific Focus on First Nations People

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Shaun O'Leary</b>	<b>Maree Raymer</b> , <b>Peter Window</b> , <b>Michelle Cottrell</b> , Carl Francia (UQ), Curtley Nelson (UQ), <b>Eliza Watson</b> (UQ), <b>Alistair McDougall</b> (UQ)	Understanding care pathway experiences for First Nations people in the Neurosurgical / Orthopaedic Physiotherapy Screening Clinics and Multidisciplinary Services (N/OPSC & MDS) in Queensland Health	0



## Research Publications

### Authors

Investigator	ORCID ID	Investigator	ORCID ID
Anita Plaza		Nanette Paxman	
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Caroline Morton		Patrick Swete Kelly	<a href="https://orcid.org/0000-0002-8057-9053">https://orcid.org/0000-0002-8057-9053</a>
Glen Volker		Peter Thomas	<a href="https://orcid.org/0000-0003-3160-8257">https://orcid.org/0000-0003-3160-8257</a>
Julie Adsett	<a href="https://orcid.org/0000-0002-4230-4577">https://orcid.org/0000-0002-4230-4577</a>	Peter Window	<a href="https://orcid.org/0000-0002-2681-3101">https://orcid.org/0000-0002-2681-3101</a>
Joanna Hargreaves	<a href="https://orcid.org/0000-0001-6702-534X">https://orcid.org/0000-0001-6702-534X</a>	Prudence Butler	<a href="https://orcid.org/0000-0002-0763-4968">https://orcid.org/0000-0002-0763-4968</a>
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### Publications in 2023

#### Journal Articles (RBWH staff in bold)

**Dillon M**, Olson R, Mescouto K, Costa N, Setchell J. How physiotherapists attend to the human aspects of care when working with people with low back pain: a thematic analysis. *Health Sociology Review*. 2023 Jan 11:1-7. [10.1080/14461242.2022.2161927](https://doi.org/10.1080/14461242.2022.2161927)

**Hargreaves J, Leslie S, Cottrell M, Snoswell A, O'Leary S, Window P**. Exploring the Barriers and Enablers to High Quality Clinical Placements in Physiotherapy at a Metropolitan Teaching Hospital Using an Implementation Science Approach. *Australian Journal of Clinical Education*. 2023. 18;12(1):23-40. <https://doi.org/10.53300/001c.75204>

Joseph R, Hart NH, Bradford N, Wallen MP, Han CY, Pinkham EP, Hanley B, Lock G, Wyld D, Wishart L, Koczwara B. et al. Essential elements of optimal dietary and exercise referral practices for cancer survivors: expert consensus for medical and nursing health professionals. *Supportive Care in Cancer*. 2023 Jan;31(1):46. <https://doi.org/10.1007/s00520-022-07509-1>

**Heine J, Window P, Hacker S**, Young J, Mitchell G, Roffey S, **Cottrell M**. Adherence to recommended guidelines for low back pain presentations to an Australian emergency department: Barriers and enablers. *Australasian Emergency Care*. 2023 Dec;26(4):326-332. <https://doi.org/10.1016/j.auec.2023.04.003>

Costa N, **Butler P, Dillon M**, Mescouto K, Olson R, Forbes R, & Setchell J. "I felt uncertain about my whole future"- A qualitative investigation of people's experiences navigating uncertainty when seeking care for their low back pain. *Pain*. 2023. [Epub ahead of print]. [10.1097/j.pain.0000000000002975](https://doi.org/10.1097/j.pain.0000000000002975)

**Naumann L**, Reul-Hirche H, Comans T, Burns CL, Paratz J, **Cottrell M**. Evaluating telehealth for the education and monitoring of lymphoedema and shoulder dysfunction after breast cancer surgery. *Supportive Care in Cancer*. 2023;31(4):239. <https://doi.org/10.1007/s00520-023-07693-8>

**Thomas P**, Paratz J. Ventilator hyperinflation—what settings generate an expiratory flow rate bias?. *Physiotherapy*. 2023; 119:44-53. <https://doi.org/10.1016/j.physio.2022.11.006>

Marks D, Kitcher S, Attrazic E, Hing W, **Cottrell M**. (2022). The Health Economic Impact of Musculoskeletal Physiotherapy Delivered by Telehealth: A Systematic Review. *International Journal of Telerehabilitation*.14(2). <https://doi.org/10.5195/ijt.2022.6524>

Glenwright BG, Simmich J, **Cottrell M, O'Leary S**, Sullivan C, Pole J, Russell T. Facilitators and barriers to implementing electronic patient-reported outcome and experience measures in a health care setting: a systematic review. *Journal of Patient Reported Outcomes*. 2023;7:13. <https://doi.org/10.1186/s41687-023-00554-2>

Conley B, **Bunzli S**, Bullen J, O'Brien P, Persaud J, Gunatillake T, Dowsey M, Choong P, Lin I. What are the core recommendations for osteoarthritis care? A systematic review of clinical practice guidelines. *Arthritis Care & Research*. 2023;75(9):1897-1907. DOI [10.1002/acr.25101](https://doi.org/10.1002/acr.25101)

## Journal Articles (RBWH staff in bold)

Conley B, **Bunzli S**, Bullen J, O'Brien P, Persaud J, Gunatillake T, Dowsey M, Choong P, Nikpour M, Grainger R, Lin I. What are the core recommendations for gout care? A systematic review of clinical practice guidelines. *BMC Rheumatology*. 2023;7(1):15. 10.1186/s41927-023-00335-w

Wang, Q, Dowsey, M, Woodward-Kron, R, O'Brien, P, Hawke, L, **Bunzli, S**. Physical activity amongst Culturally and Linguistically Diverse communities in Australia: A scoping review. *Ethnicity & Health*. 2023;28(8):1195-1220. 10.1080/13557858.2023.2219874

Schilling C, Tew M, **Bunzli S**, Shadbolt C, Lohmander S, Balogh Z, Francesco P, Choong P, Dowsey M, Clarke P. An economic framework for estimating trial costs with an application to placebo surgery trials. *Applied Health Economics and Health Policy*. 2023;21(2) 263-273. doi: 10.1007/s40258-022-00775-4

Shadbolt C, Naufal E, **Bunzli S**, Price V, Rele S, Schilling C, Thuraisingam S, Lohmander S, Balogh Z, Clarke P, Choong P, Dowsey M. Analysis of rates of completion, delays and participant recruitment in randomized controlled trials in surgery. *JAMA Network Open*. 2023;6(1):e2250996. doi: 10.1001/jamanetworkopen.2022.50996

Rizzo R, Wand B, Leake H, O'Hagan E, Bagg M, **Bunzli S**, Traeger A, Gustin S, Moseley GL, Sharma S, Cahin A, McAuley. 'My back is fit for movement': A qualitative study alongside a randomised controlled trial for chronic low back pain. *The Journal of Pain*. 2023;24(5):824-839. doi: 10.1016/j.jpain.2022.12.009

Gould D, Dowsey M, Spelman T, Bailey J, **Bunzli S**, Rele S, Choong P. Established and novel risk factors for 30-day readmission following total knee arthroplasty: A modified Delphi and focus group study to identify clinically important predictors. *Journal of Clinical Medicine*. 2023;12(3):747. <https://doi.org/10.3390/jcm12030747>

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**McGrath M**, **Wood J**, Walsh J, **Window P**. The impact of Three-Dimensional Gait Analysis in adults with pathological gait on management recommendations. *Gait Posture*. 2023 Jun 22;105:75-80. doi: 10.1016/j.gaitpost.2023.06.014

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**Hepnar L, Ngenda N**, Sharpe J, Lai M, August D, **Cottrell M**. Period prevalence of positional head deformations and implications for practice in a large tertiary neonatal unit. *Journal of Paediatrics and Child Health*. 2023. <http://doi.org/10.1111/jpc.16520>

Haber T, Hinman R, Dobson F, **Bunzli S**, Hilton A, Hall M. People's beliefs about their chronic hip pain and its care: a systematic review of qualitative studies. 'I'm just getting old and breaking down'. *Pain*. 2023 164(5) 926-947. doi: 10.1097/j.pain.0000000000002792

Gould D, Dowsey M, Spelman T, Bailey J, **Bunzli S**, Choong P. Improving Quality of Care in Total Knee Arthroplasty Using Risk Prediction: A Narrative Review of Predictive Models and Factors Associated with their Implementation in Clinical Practice. *South African Orthopaedic Journal*. **Accepted 14.09.23**

Bontrup C, **O'Leary S**, Way K, Soerd R, Abedia M, Johnston V. Exploring the conceptualisation of workability from the perspective of workers in later career stages - A qualitative study. *WORK: A Journal of Prevention, Assessment & Rehabilitation* (**accepted 5th December 2023**)

**Hartono J, Cottrell M, Window P**, Russell T. Performance of key physical tests for temporomandibular disorder via telehealth: establishing validity and reliability. *Journal of Oral Rehabilitation*. 2023. [Epub ahead of print]. DOI: 10.1111/joor.13643

**Thomas P**, Chaseling W, Marais L, Matheson C, Paton M, Swanepoel N. Physiotherapy services in intensive care. A workforce survey of Australia and New Zealand. *Aust Crit Care*. 2023 Sep;36(5):806-812. doi: 10.1016/j.aucc.2022.11.004.

## Book Chapters (RBWH staff in bold)

Jull G, Falla D, Treleavan J, **O'Leary S**. Idiopathic Neck Pain. In: Falla D, Lewis J, McCarthy C, Cook CE, Sterling M (editors) *Grieve's Modern Musculoskeletal Physiotherapy*, 5th Edition. Edinburgh: Elsevier.

## Keynote or Plenary Lectures given in 2023

Date	Title
Oct 2023	<b>Patrick Swete Kelly, Maree Raymer</b> . Advanced Practice: education and training. What does this mean for you, a national and international perspective and the development of national competencies? APA Conference. Brisbane.
Oct 2023	<b>Patrick Swete Kelly</b> APA Conference Scientific Committee Chair, Advanced Stream
Oct 2023	<b>Samantha Bunzli</b> . From "damaged machine parts" to "active bodies". Shifting the way we talk about musculoskeletal pain. APA Conference. Brisbane.
Oct 2023	<b>Amy Papinniemi</b> . Physiotherapy: the hands-on profession. APA Conference. Brisbane.
Oct 2023	<b>Madonna Lichtwark</b> : APA conference Scientific Committee Member, workshop convener
Oct 2023	<b>Natalie Kruger</b> APA Conference Cancer Palliative Care Lymphoedema Sub-group convener
Oct 2023	<b>Maree Raymer</b> . APA Conference Advanced Practice Sub-group convener.

Oct 2023	<b>Julie Adsett.</b> Time to step up: Why hospital inpatients are so inactive and what Physiotherapists can do to lead change. APA Conference. Brisbane.
Oct 2023	<b>Julie Adsett.</b> Aquatic exercise training and heart failure. APA Conference. Brisbane.

# Psychology

## Research highlights

Our staff continue to be involved in a broad scope of multidisciplinary projects that have patients as the central focus. We have been fortunate in being part of research grants that will progress and build on this work, and we have continuing RHD students with this equivalent foundational aim. Many of our staff have strong links to a variety of universities, contributing strongly to the development of the future workforce.

A highlight of 2023 was the Department Quality Improvement and Research Symposium, with a program that was developed from a pre-Symposium assessment of staff needs. The event included presentations and support from the Principal Research Officer for Allied Health Research and staff presenting on their experiences of research and QI support, as well as practical guidance. Importantly, it allowed staff to engage, collaborate with, and support each other with the development of research and QI ideas and share experiences of overcoming barriers, with the Department providing feedback that they found the day very useful.

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Helen McLaughlan (DFS), Robin Hay (DFS), Elizabeth Ryan (Physiotherapy), Andrea Cawte (DFS), <b>Mala McHale (Psychology)</b> , Kelsey Pateman (CAHR)	Dietetics & Food Services, Physiotherapy, Psychology, Centre for Allied Health Research	Paving the way: Demonstrating a health practitioner led complex obesity management pathway can improve health outcomes and develop research capacity	Office of the Chief Allied Health Officer	\$151,010	3 years, 2023-2025
<b>Kate Thompson</b>	Psychology	Effectiveness of memory rehabilitation techniques in improving memory functions in patients with epilepsy	RBWH Research Foundation	\$39,633	3 years, 2022-2024
<b>Clare Pekin</b>	Psychology	Psychopathology in Bariatric Surgical Candidates	RBWH Research Foundation	\$39,633	3 years, 2022-2024
Michele Sterling (UQ), Paul Gray (RBWH), Peter Cabot (UQ), Andrew Claus (RBWH) Annina Schmid (Oxford), Kevin Chu (RBWH), <b>Genesta Nicolson</b>	Tess Cramond Pain and Research Centre/RECOVER	Development of small nerve fibre pathology in chronic whiplash-associated disorder. RECOVER Research Institute	RBWH Research Foundation	\$64,840.46	3 years, 2022-2024
<b>Angela Byrnes</b> , George Hopkins (Surgery), Matthew Seymour (Endocrinology), <b>Mala McHale, Rebecca Healy</b> , Elizabeth Woods (PAH)	Nutrition and Dietetics and Psychology	Measuring what matters to patients: Identifying and implementing patient-centred outcome measures for patients referred for bariatric surgery	Metro North	\$4,988	2 years, 2023-2024

## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Kate Thompson</b>	<b>Ada Lo</b> , Hannah McGlashan (STARS), Professor David Reutens (RBVWH), Alan Pegna (UQ), Catherine Haslam (UQ), & Tamara Ownsworth (GU)	Self-report measures of everyday memory in people with epilepsy: A systematic review of measurement properties	N/A
<b>Kate Thompson</b>	Hannah McGlashan (STARS), Tamara Ownsworth (GU), Catherine Haslam (UQ), Alan Pegna (UQ), David Reutens (RBWH)	Subjective Memory in People with Epilepsy	16
<b>Clare Pekin</b>	<b>Mala McHale</b> , Professor Gerard Byrne (UQ)	Life After Bariatric Surgery	10
<b>Mala McHale</b>	<b>Mala McHale</b> , Chris Watling (USQ), Renee Ireland (USQ), <b>Clare Pekin</b> , Samantha Brown (USQ)	Investigating Sleeping Difficulties within a Hospital Context	0

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Ada Lo, Kate Thompson</b>	Lee Reid (Australian e-health Research Centre), Jurgen Fripp (Australian e-health Research Centre), Stephen Rose (Australian e-health Research Centre), Marita Prior (RBWH), Rosalind Jeffree (RBWH), David Walker (Wesley Hospital), Hamish Alexander (RBWH), Parnesh Raniga (RBWH), Julie Trinder (RBWH)	Predicting Surgery-induced Neurological Deficits using CONSULT. A study to measure the ability of CONSULT tractography software to predict surgery-induced neurological deficits	0
<b>Ada Lo, Kate Thompson</b>	Ashleigh Scott (RBWH), Glen Kennedy (RBWH), Katie McMahon (RBWH), Olivier Salvado (CSIRO)	MINERAL: Magnetic Resonance Imaging and Quantitative susceptibility mapping (MRI-QSM) of brain iron to identify chemotherapy-associated neurocognitive impairment (CANI) in Acute Myeloid Leukemia (AML)	0
<b>Ada Lo</b>	Evelyn Harvey (Westmead Hospital), Nicholas Murray (Macquarie Uni, Westmead), Zoe Thayer (Royal Prince Alfred Hospital), Katherine Martin (Prince of Wales Hospital), Madison Choma (Mater Hospital)	Assessment of non-verbal memory in temporal lobe epilepsy using the Brown Location Test (BLT): A seizure lateralisation study and concurrent Australian normative project	9
<b>Riley O'Donohue</b>	Nicole Andrews (OT), Trevor Russell (UQ RECOVER)	Enhancing the management of chronic pain: A new eHealth model to extend on-site care and benefits back into the community	0
<b>Angela White</b>	Stacy Savage (GU), Bonnie Clough (GU)	Keeping a Safe Distance: Improving the Assessment and Management of Suicide Risk in Telehealth Services	N/A
<b>Angela White</b>	Kate McCarthy (Infectious Diseases Unit), Ernest Tee (Infectious Diseases Unit)	Self-isolation Experience due to an Infectious disease: the Impact of Virtual Care	

## Research Activity With a Specific Focus on First Nations People

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Clare Pekin</b>	<b>Mala McHale</b> , Professor Gerard Byrne (UQ)	Service Evaluation of Psychology Outcomes in People with Type 2 Diabetes Seeking Bariatric Surgery	400

## Research Publications

### Authors

Investigator	ORCID ID
Kate Thompson	<a href="https://orcid.org/0000-0002-2269-1215">https://orcid.org/0000-0002-2269-1215</a>
Angela White	<a href="https://orcid.org/0000-0001-5725-7913">https://orcid.org/0000-0001-5725-7913</a>
Genesta Nicolson	<a href="https://orcid.org/0000-0002-5990-2178">https://orcid.org/0000-0002-5990-2178</a>
Clare Pekin	<a href="https://orcid.org/0000-0002-6403-4002">https://orcid.org/0000-0002-6403-4002</a>
Riley O'Donohue	<a href="https://orcid.org/0000-0003-4721-7867">https://orcid.org/0000-0003-4721-7867</a>

# Social Work

## Research highlights

The most significant research development for RBWH Social Work in 2023 was the major progress achieved with the WeCU Study, where a research assistant was employed with grant funding obtained via the RBWH Foundation. The assistant has been able to recruit and interview families and staff to participate in the study with a view for publication in 2024.

Social Work has also been involved in the co-design space with Jenny Kirby leading a project on implementing care plans for patients attending a Kidney Supportive Care Service. This project, using co-design principles, was funded via the RBWH Foundation Extraordinary Opportunities Grants.

Social Work has partnered with UQ as part of an ARC Discovery Grant to develop a framework for social workers in assessing and responding to elder abuse. Dr Gai Harrison is the RBWH social work lead for this project. Social Work is also participating in an NHMRC-funded multi-site research study, looking at mild traumatic brain injury in intimate partner violence. James Ready is an associate investigator in this project and the Emergency Trauma Centre social work team will be involved in data collection and analysis. This project has provided social work with opportunities to explore research capacity building for social work and James was involved in an NHMRC application to establish a Centre for Research Excellence in the field of intimate partner violence and brain health.

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Jenny Kirby</b> (Social Work), <b>Louise Purtell</b> , <b>Kelsey Pateman</b> (CAHR), <b>Laura Austin</b> , <b>Ilse Berquier</b> , <b>Kirsten Hepburn</b> (Kidney Health Service)	Social Work, Kidney Health Service, Centre for Allied Health Research	Using co-design to develop and implement a care plan for patients and/or carers attending a Kidney Supportive Care service	RBWH Foundation	\$19,348	2 years, 2022-2023
<b>Angela O'Malia</b> (lead investigator), <b>Greg Lewis</b> , <b>Dr Gai Harrison</b> and <b>Zoe Castles</b> (associate investigators)	Social Work	The WeCU Study – A qualitative evaluation of the WeCU concierge service for families attending RBWH ICU	RBWH Foundation	\$63,674	3 years, 2022-2024
Prof Jill Wilson, Dr Maree Petersen, A/Prof Cheryl Tilse, <b>Dr Gai Harrison</b>	Social Work/University of Qld	The development of a framework for assessing and responding to elder abuse to guide social work practice	Australian Research Council	\$222,370	4 years, 2021-2024
Prof Michael O'Sullivan, Dr Gary Mitchell, Dr Jacqueline Marks, Dr Zoe Poiner, Linley Johnson, <b>James Ready</b>	Social Work/ETC/Neurosciences	Brain Injury in Intimate Partner Violence	NHMRC	\$1,924,134	3 years, 2022-2024



## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Jenny Kirby</b>	<b>Louise Purtell, Kelsey Pateman (CAHR), Laura Austin, Ilse Berquier, Kirsten Hepburn</b>	Partnering with patients, through co-design, to develop and implement a care plan for patients and/or carers attending a Kidney Supportive Care Service, to improve their ability to remember, use and act upon health-related information	5
<b>Angela O'Malia</b>	<b>Greg Lewis, Dr Gai Harrison, Zoe Castles, Dr Fiona Coyer</b>	The WeCU Study: A qualitative evaluation of the WeCU concierge service for families attending the RBWH ICU	35
<b>Dr Gai Harrison</b>	Prof Jill Wilson, Dr Maree Petersen, A/Prof Cheryl Tilse	The development of a framework for assessing and responding to elder abuse to guide social work practice	N/A

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Prof Michael O'Sullivan, Dr Gary Mitchell, Dr Jacqueline Marks, Dr Zoe Poiner, Linley Johnson,	<b>James Ready</b>	Brain Injury in Intimate Partner Violence	0

## Research Publications

### Authors

Investigator	ORCID ID
Angela O'Malia	<a href="https://orcid.org/0000-0001-6655-1292">https://orcid.org/0000-0001-6655-1292</a>
James Ready	<a href="https://orcid.org/0000-0002-1926-938X">https://orcid.org/0000-0002-1926-938X</a>
Gregory Lewis	<a href="https://orcid.org/0000-0002-1427-4542">https://orcid.org/0000-0002-1427-4542</a>
Gai Harrison	<a href="https://orcid.org/0000-0003-2859-9847">https://orcid.org/0000-0003-2859-9847</a>
Bernadette Dimla	<a href="https://orcid.org/0000-0002-7335-5473">https://orcid.org/0000-0002-7335-5473</a>

### Publications in 2023

#### Journal Articles (RBWH staff in bold)

Carpenter K, **Harrison G**. Implementing a Bereavement Follow-Up Program in Hospital Emergency Department. *Advances in Social Work Welfare and Education*. 2023; 24(2), 71-77.

# Speech Pathology and Audiology

## Research highlights

The RBWH Speech Pathology and Audiology Department has continued to extend its clinical research program across 2023. Our speech pathology research focuses on patient-centred care and service models to enhance swallowing and communication interventions across inpatient and outpatient services in cancer care, internal medicine, surgery and perioperative services, stroke and neurology, and gender services. Our audiology research focuses on improving access and quality of care, particularly for Aboriginal and Torres Strait Islander adults.

A research highlight for Audiology was Alice Pender's Best Early Career Researcher Poster award at the Audiology Australia Conference. Alice completed her second year of the Queensland Advancing Clinical Research Scholarship as part of her PhD research on hearing impairment in urban Indigenous adults. Additionally, two new grants were awarded to audiology – Carla Rose was awarded a SWIFT grant to pilot an acute tele-audiology service and Kristy Moore received a Helix4 implementation grant focused on improving the hearing-impaired inpatient experience.

For the Speech Pathology Department, a key research highlight was being recognised for our work in partnering with consumers in research. The Queensland Aphasia Research Centre, of which Penni Burfein is a member of the Consumer Advisory Group, was awarded the 2023 NHMRC Consumer Engagement Award, and the Metro North Telehealth Co-design Project, which engaged consumers across all phases of research, was awarded the Consumers in Research Award at the Metro North Research Excellence Awards. Another emerging research focus is progressive neurological diseases, with Dr Shana Taubert receiving three grants in collaboration with our academic partners and RBWH staff to conduct research to optimise swallowing and communication functioning in this population. Dr Clare Burns was awarded one of four Queensland Health Clinical Researcher Fellowships (Round 4) – Mid Career. This 2-year Fellowship will extend our work in technology-enabled health care, to develop and evaluate an immersive virtual reality tool with the aim of offering a new model of care for communication rehabilitation.

In the last 12 months, Speech Pathology and Audiology Department staff have authored 12 peer reviewed publications and disseminated their research in 4 national and 12 international conference presentations. We have supported 15 department-led research projects and 21 projects in collaboration with other teams. We have strengthened our networks with health colleagues at RBWH, and our collaborations within QH Speech Pathology Services, Centre for Functioning and Health Research Metro South Health, RECOVER Injury Research Centre, (UQ), Queensland Aphasia Research Centre (UQ), School of Health and Rehabilitation Sciences (UQ), Queensland University of Technology (QUT), the Australian Centre of Health Services Innovation (AusHSI, QUT), and Centre for Applied Economics (Griffith University). Audiology networks have also been established with the commencement of the Queensland Health and Mater Audiology Clinical Governance Project, which aims to develop a statewide sustainable, integrated model of clinical governance in audiology.

Our commitment to developing research capacity and capability is ongoing with 8 RHD students being supported by the Speech Pathology and Audiology Department. In 2023, 4 staff members progressed their research higher degrees, and 5 RHD students were supervised by speech pathology research staff.

## Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
<b>Alice Pender</b> , Wayne Wilson (UQ), Roxanne Bainbridge (UQ), Geoff Spurling (UQ, COE), Philip Schluter (University of Cambridge, NZ), Deborah Askew (UQ)	Best Early Career Research Poster Award	Audiology Australia 2023 Conference, May 2023
The Queensland Aphasia Research Centre, The University of Queensland ( <b>Penni Burfein</b> )	2023 NHMRC Consumer Engagement Award	2023 Biennial Awards, National Health and Medical Research Council
Kelsey Pateman (AHP), Anya Christoffersen (AHP), Michelle Cottrell (Physiotherapy), <b>Clare Burns</b> , Amber Jones (Occupational Therapy), Peter Button (Consumer), Emily Arthur (Nutrition & Dietetics), Gary Power (Consumer), Christine Petrie (Metro North Engage), Linda Cuskelly (MN Telehealth Services), Kate Dickson (RBWH Telehealth Services), Mark Cruickshank (AHP)	Consumers in Research Award	Metro North Research Excellence Awards, November 2023

Recipient (RBWH staff in bold)	Award	Event
Jade Dignam (UQ), Kirstine Shrubsole (UQ), Kate O'Brien (UQ), <b>Lynell Bassett, Penni Burfein,</b> Natalie Hickey (STARS), Katherine Roxas (STARS), Hannah Wedley (UQ), Nicole Massoud (UQ), Jasmina Singh (UQ), David Copland (UQ)	Research Partnerships and Translation Award	2023 Faculty of Health and Behavioural Sciences Staff Awards

## Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Carla Rose (MNHHS),</b> Clare Burnes (MNHHS), Kelly Costa (MNHHS), Isabella Prowse (MNHHS)	Audiology and Speech Pathology Departments	Pilot trial of an acute tele- audiology service model to enhance best practice care for people with sudden sensorineural hearing loss living in Metro North Health	Metro North Health	\$25,000	2 years, 2023-2024
<b>Kristy Moore (MNHHS)</b>	Audiology	Improving the support of inpatients with hearing difficulties	Metro North Health	\$18,162	1 year, 2023
<b>Ellie Minchell</b>	Speech Pathology	The effects of endovascular clot retrieval and thrombolysis on dysphagia	RBWH Foundation	\$39,633	1 year, 2023
<b>Shana Taubert, Annette Collins,</b> Robert Henderson (Neurology), Lily Tang (Neurology), Katrina Kramer (Palliative Care), <b>Clare Burns</b>	Speech Pathology, Neurology, Palliative Care	Saliva Management pathway for patients with swallowing difficulties who attend the RBWH MND Clinic	RBWH Foundation	\$50,000	1 year, 2023
<b>Penni Burfein</b>	Speech Pathology	Communication and vocational rehabilitation in post-stroke aphasia: An international exploration of rehabilitation practice	Collaborative for Allied Health Research, Learning and Innovation	\$5,000	1 year, 2023
<b>Penni Burfein</b>	Speech Pathology	Return to work for people with aphasia: Experiences and outcomes at six months after stroke.	RBWH Foundation	\$49,755.84	2 years, 2023-2024
Brooke-Mai Whelan (UQ), Anthony Anguin (UQ), Adriana Penman (UQ), Rebecca Packer (UQ), Adam Vogel (Melbourne University), <b>Shana Taubert,</b> Salma Charania (UQ)	Speech Pathology	Save our Speech (SoS) Study: Towards automated speech biomarkers of disease progression and treatment responsiveness in amyotrophic lateral sclerosis (ALS)	MNDRA Innovator Grant	\$99,873.08	1 year, 2023
<b>Clare Burns</b>	Speech Pathology	Co-design, development and evaluation of a consumer- driven, immersive reality tool to optimise communication rehabilitation	Queensland Health	\$250,000	3 years, 2024-2026

## Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Carla Rose</b>	<b>Clare Burns</b> (MNHHS), Kelly Costa (MNHHS), Isabella Prowse (MNHHS)	Pilot trial of an acute tele-audiology service model to enhance best practice care for people with sudden sensorineural hearing loss living in Metro North Health	N/A
<b>Clare Burns</b>	Atiyeh Vaezipour (UQ), Anna Farrell, Natalie Hickey (Speech Pathology); <b>Penni Burfein</b> (Speech Pathology); Deborah Theodoros (UQ); Trevor Russell (UQ); David Copland (UQ), Arindam Dey (UQ); Kate Hacking (Community and Oral Health MNHHS); Michelle Slee (The Prince Charles Hospital); Brooke Cowie (Caboolture Hospital); Wendy Luttrell (Redcliffe Hospital)	Co-design, development, and evaluation of an immersive virtual reality therapy tool for individuals with communication disorders	N/A
<b>Clare Burns</b>	Annie Hill (UQ), Liz Ward (CFAHR; UQ), Sanjeewa Kularatna (AusHSI QUT); Joshua Byrnes (Griffith University)	Evaluation of two speech pathology service models for swallowing rehabilitation post head and neck cancer treatment	N/A
<b>Clare Burns</b>	Atiyeh Vaezipour (UQ), <b>Meghan Currant</b> (Speech Pathology); <b>Sarah Heaton</b> (Speech Pathology); Caitlin Fraser (STARS); Annie Hill (UQ; STARS) Trevor Russell (UQ)	Telehealth delivery of an immersive virtual reality therapy tool for individuals with communication disorders: A feasibility study.	N/A
<b>Clare Burns</b>	Liz Ward (CFAHR/UQ)	Evaluation of a Speech Pathology Telepractice Portal to facilitate the implementation and expansion of telepractice services across Queensland	N/A
<b>Clare Burns</b>	Annie Hill (UQ), Liz Ward (CFAHR; UQ), <b>Lynell Bassett</b> ; Kate Hacking (MNHHS); Michelle Slee (MNHHS); Brooke Cowie (MNHHS); Wendy Luttrell (MNHHS)	Examining stakeholder perceptions of an asynchronous telepractice program for the delivery of dysphagia rehabilitation	N/A
<b>Clare Burns</b>	Annie Hill (UQ), Liz Ward (CFAHR; UQ), Sanjeewa Kularatna (AusHSI QUT)	Pilot trial of an integrated speech pathology telepractice service for dysphagia rehabilitation	N/A
<b>Ellie Minchell</b>	Emma Finch (UQ), Anna Rumbach (UQ), <b>Clare Burns</b> (Speech Pathology), Andrew Wong (Stroke), Anna Farrell (PAH)	How does dysphagia present in the acute stage of stroke recovery post reperfusion therapies?	N/A
<b>Jenny Blotteaux</b>	<b>Clare Burns (SP)</b>	Adult Gender Speech Pathology Service: Comparing outcomes of in-person and telepractice service models	10
<b>Penni Burfein</b>	David Copland (UQ), Emmah Doig (SERA STARS; UQ), Tracy Roxbury (UQ), Jenny Strong (UQ), <b>Clare Burns (Speech Pathology)</b> , Kate Hacking (COH), Michaela Jackson (COH), Lauren Harris (Brighton BIS), Danielle McGovern (CBRT), Pauline Burge (CBRT), Michelle Slee (TPCH), Ann Finnimore (TPCH), Brooke Cowie (CBH), Wendy Luttrell (Redcliffe)	Return to work outcomes and experiences of stroke survivors with aphasia admitted to MNHHS facilities: A mixed-methods approach	5
<b>Sarah Wilson</b>	<b>Clare Burns</b> (Speech Pathology), Bena Brown (Metro South HHS, UQ)	Development of clinical and videofluoroscopic assessment tools for the evaluation of dysphagia following laryngectomy; An e-Delphi process	N/A

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Shana Taubert</b>	<b>Annette Collins (Speech Pathology), Clare Burns (Speech Pathology)</b> , Robert Henderson (Neurology), Pamela McCombe (Neurology), Katrina Kramer (Palliative Care), Lily Tang (Neurology).	Enhancing saliva management practices for patients attending RBWH MND Clinic	30
<b>Carla Rose</b>	<b>Clare Burns (MNHHS)</b> , Kelly Costa (MNHHS), Isabella Prowse (MNHHS)	Pilot trial of an acute tele-audiology service model to enhance best practice care for people with sudden sensorineural hearing loss living in Metro North Health	N/A
<b>Clare Burns</b>	Atiyeh Vaezipour (UQ), Anna Farrell, Natalie Hickey (Speech Pathology); <b>Penni Burfein (Speech Pathology)</b> ; Deborah Theodoros (UQ); Trevor Russell (UQ); David Copland (UQ), Arindam Dey (UQ); Kate Hacking (Community and Oral Health MNHHS); Michelle Slee (The Prince Charles Hospital); Brooke Cowie (Caboolture Hospital); Wendy Luttrell (Redcliffe Hospital)	Co-design, development, and evaluation of an immersive virtual reality therapy tool for individuals with communication disorders	N/A
<b>Clare Burns</b>	Annie Hill (UQ), Liz Ward (CFAHR; UQ), Sanjeewa Kularatna (AusHSI QUT); Joshua Byrnes (Griffith University)	Evaluation of two speech pathology service models for swallowing rehabilitation post head and neck cancer treatment	N/A

## Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Amber Jones (Occupational Therapy)	Perry Judd (Physiotherapy), Michelle Cottrell (Physiotherapy), <b>Clare Burns (Speech Pathology)</b> , Anita Plaza (Physiotherapy) Andrea McKittrick (Occupational Therapy) Angela Chang (AHP), Hannah Carter (QUT)	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the REAIM approach	N/A
Amber Jones (Occupational Therapy)	<b>Clare Burns (Speech Pathology)</b> Liz Ward (UQ)	Developing a telehealth model for the delivery of occupational therapy burn care	N/A
Amber Jones (Occupational Therapy)	<b>Clare Burns (Speech Pathology)</b> Liz Ward (UQ) Jason Brown (Burns); Andrea McKittrick (Occupational Therapy) Kerrie Christopher (Consumer)	Evaluation and enhancement of the RBWH Multidisciplinary Burns Telehealth Service (MDT TeleBurns)	17
Annie Hill (UQ)	<b>Clare Burns (Speech Pathology), Penni Burfein (Speech Pathology)</b> , and Dr Kana Appadurai (GARU) Genevieve Vuong (UQ), Jade Dignam (UQ), David Copland (UQ)	The usability, feasibility, acceptability and efficacy of providing a Comprehensive, High-dose Aphasia Treatment (CHAT) program via Telerehabilitation (TeleCHAT)	N/A
Brooke-Mai Whelan (UQ)	Adam Vogel (Melbourne Uni), Robert Henderson (Neurology), Anthony Angwin (UQ), David Copland (UQ), <b>Shana Taubert (Speech Pathology)</b> , Rebecca Packer (UQ), Adriana Penman (UQ), Salma Charania (MND Association), Bronte Dunn (TPCH)	Save our Speech (SOS) Study: Towards automated speech biomarkers of disease progression and treatment responsiveness in amyotrophic lateral sclerosis (ALS)	N/A
Chloe Smith (Speech Pathology COH)	<b>Clare Burns (Speech Pathology)</b> , Kate Hacking (COH)	Establishing a telehealth dysphagia assessment service within a community health setting	N/A

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
David Copland (UQ)	Teppo Särkämö (Uni of Helsinki), Marcus Meinzer (Universitätsmedizin Greifswald), Felicity Baker (Uni of Melb), Tracy Roxbury (UQ), Katie McMahon (QUT), Sarah Wallace (UQ), Lisa Anemaat (UQ), Andrew Wong (RBWH), <b>Clare Burns (RBWH Speech Pathology)</b> , <b>Penni Burfein (MNHHS Speech Pathology)</b> , Melissa Lawrie (GCUH), Rachel Wenke (GCUH), Rohan Grimley (SCUH), Jennie Lettieri (SCUH), Andrea Winters (SCUH), Julie Scott (SCUH), Rohan Walker (Uni of Newcastle), Sarah Medland (QIMR Berghofer), Jennifer Lee (UQ), Sandeep Bhuta (GCUH), Sonia Brownsett (UQ), Jessica Campbell (UQ), Bethany Best (UQ), Aleksi Sihvonen (Uni of Helsinki), Marie-Pier McSween (UQ), Jim Lagopoulos (SCUH), Brooke Cowie (MNHHS), Iain Borthwick (Caboolture Hospital), Kylie Short (MNHHS), Katrina Dunn (Ipswich Hospital), Juan Rois Gnecco (Ipswich Hospital), Keren Harvey (MNHHS) Kate Hacking (MNHHS), Kelly Andersen (Tweed Hospital), Cecilia Silva-Withmory (Tweed Hospital), Anna Farrell (PAH), Emma Finch (PAH), Kathy Clarke (PAH)	Aphasia recovery with Music exposure (AMP)	N/A
Kellie Hill (Pharmacy)	<b>Meghan Currant (Speech Pathology)</b> , <b>Rebecca Cremer (Speech Pathology)</b> , Karen Whitfield (Pharmacy), <b>Clare Burns (Speech Pathology)</b>	To investigate medication safety, administration techniques, and communication between healthcare professionals for patients with dysphagia	N/A
Laurie Wennerholm (UQ)	<b>Clare Burns (Speech Pathology)</b> , Liz Ward (CFAHR/UQ)	Laryngectomy care pathways: Examining patient and clinician perspectives	N/A
Leonie Naumann (Physiotherapy)	Jennifer Paratz (Physiotherapy), Hildegard Reul-Hirche, Physiotherapy, Michelle Cottrell (Physiotherapy) <b>Clare Burns (Speech Pathology)</b> , Anna Finnane (UQ), Tracy Comans (UQ), Trevor Russell (UQ)	A telehealth model for education and monitoring of early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: A pilot cohort study	N/A
Liz Ward (CFAHR/UQ)	<b>Clare Burns (Speech Pathology)</b> , Laurie Wennerholm (White Plains Hospital New York, UQ)	Examining international laryngectomy care during the COVID-19 pandemic: Informing a consensus-driven pathway for speech language pathology management	N/A
Liz Ward (CFAHR/UQ)	Jasmine Jones (UQ), <b>Clare Burns (Speech Pathology)</b> Laurelie Wall (UQ), Rebecca Nund (UQ), Nicky Graham (QH), Wendy Comben (THHHS), Emily Missenden (NWHHS)	Enhancing Speech Pathology Workforce and Service Capabilities to Deliver Services to Patients with Head and Neck Cancer	N/A
Liz Ward (CFAHR/UQ)	<b>Clare Burns (Speech Pathology)</b> , Kellie Hancock (PAH), Jenny Boxall (PAH), Rachele Robinson (Prince of Wales Hospital), Molly Barnhart (Prince of Wales Hospital), Penny Stabler (Gold Coast University Hospital)	Changes in pulmonary outcomes of implementing a day and night regimen with heat and moisture exchangers (HMEs) and their adhesives	N/A
Marissa Ryan (PAH)	Christine Carrington (PAH), Liz Ward CFAHR/UQ), Centaine Snoswell (UQ), <b>Clare Burns (Speech Pathology)</b> , Mhairi Mackinnon (PAH)	Development, implementation and evaluation of a Cancer Pharmacy Service for adult patients at the Princess Alexandra Hospital	N/A

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
Michelle Cottrell (Physiotherapy)	<b>Clare Burns (Speech Pathology)</b> , Amber Jones (Occupational Therapy), Adrienne Young (AHP), Sonia Sam (AHP), Mark Cruickshank (AHP), Kelsey Pateman (MNHHS)	Rapid implementation of telehealth in response to COVID-19: An evaluation of the Allied Health experience	N/A
Michelle Cottrell (Physiotherapy)	<b>Clare Burns (Speech Pathology)</b> , Amber Jones (Occupational Therapy), Adrienne Young (Nutrition and Dietetics), Gary Power (CAG), Anja Christoffersen (CAG), Linda Cuskelly (MN HEI), Peter Buttrum (RBWH AHP), Kate Dickson (RBWH SOPD), Emily Arthur (RBWH AHP), Peter Button (Consumer)	Partnering with consumers to optimize engagement with telehealth services within Metro North Health: an experience-based co-design approach	45
Min Mei POON (Singapore, UQ)	Liz Ward (CFAHR/UQ), <b>Clare Burns (Speech Pathology)</b>	Delivery of adult dysphagia services across the healthcare continuum in Singapore: Perspectives of healthcare service providers and consumers	N/A
Sarah Wallace (UQ), Lisa Anemaat (UQ)	Victoria Palmer Uni of Melb), David Copland (UQ), <b>Clare Burns (Speech Pathology)</b> , Ann Finnimore (TPCH), Brooke Cowie (Caboolture), Andrea Winters (SCUH), Karen Thea-Nicole Garrett (DDHHS), Karen Makkai (DDHS) Ms Emily Missenden (NWHHS); Ms Cara Probert (SWHHS); Ms Rukmani Rusch (Cairns HHS) Ms Wendy Luttrell (DDHHS), Ms Kate Hacking (MNHHS), Ms Kathy Clark (PAH), Ms Melissa Lawrie (GCUH), Dr Rachel Wenke (GCUH), Ms Kylie Short (STARS)	Co-design of the Queensland Aphasia Research Centre (Phase 1)	N/A
Teresa Brown (Nutrition & Dietetics)	Abigail Walker (ENT), Brett Hughes (Medical Oncology), <b>Clare Burns (Speech Pathology)</b> , Judy Bauer (Monash), Louise Campbell (Nuclear Medicine), Rebecca Fichera (Nutrition & Dietetics), Ryan Sommerville (ENT), Stephanie Yau (ENT), Joanne Hiatt (Nutrition & Dietetics)	Investigating the impact of skull base surgery on nutrition and swallowing outcomes	N/A
Teresa Brown (Nutrition & Dietetics)	Tom Slaughter (ENT), Ryan Sommerville (ENT), Louise Campbell (Nuclear Medicine), Judy Bauer (Monash), <b>Clare Burns (Speech Pathology)</b> , Brett Hughes (Medical Oncology)	Investigating the impact of Transoral Robotic Surgery (TORS) on nutrition and swallowing outcomes	N/A
Sarah Wallace (UQ)	David Copland (UQ), Monique Kilkenny (Monash), Erin Godecke (Edith Cowan), Carolyn Unsworth (Federation University), Kirstine Shrubsole (UQ), Robyn O'Halloran (LaTrobe), Muideen Olaiya (Monash), Annie Hill (UQ), Deborah Hersh (Edith Cowan), Sam Harvey (UQ), Marissa Stone (UQ), Sally Zingelman (UQ), Miranda Rose (La Trobe), Joosup Kim (Monash), Dominique Cadilhac (Monash), Kathryn Mainstone (UQ), Penelope Mainstone (UQ), Rachelle Pitt (UQ), Caterina Breitenstein (Uni of Munster), Emily Brogan (Fiona Stanley Hospital), <b>Clare Burns (RBWH)</b> , Kylie Short (STARS), Kathryn McKinley (St Vincents Hospital, Melbourne), Carolyn Baker (Monash Health), Stacey Rand (Caboolture Hospital), Wendy Luttrell (Redcliffe Hospital)	The right treatment for the right person at the right time. Driving high value aphasia care through meaningful system monitoring	N/A

## Research Activity With a Specific Focus on First Nations People

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2023
<b>Alice Pender</b>	Deborah Askew (UQ), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS), Claudette "Sissy" Tyson (MSHHS)	Self-reported hearing loss and follow-up care of Aboriginal and Torres Strait Islander adults in an urban setting	N/A
<b>Alice Pender</b>	Deborah Askew (UQ), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS), Claudette "Sissy" Tyson (MSHHS)	Hearing and hearing loss in Aboriginal and Torres Strait Islander adults: knowledge, perceptions, and attitudes	N/A
<b>Alice Pender</b>	Deborah Askew (UQ), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS), Claudette "Sissy" Tyson (MSHHS)	Improving detection and treatment of hearing health care for Aboriginal and Torres Strait Islander adults living in South East Queensland	N/A

## Research Publications

### Authors

Investigator	ORCID ID	Investigator	ORCID ID
Alice Pender	<a href="https://orcid.org/0000-0002-5059-6143">https://orcid.org/0000-0002-5059-6143</a>	Leisa Turkington	<a href="https://orcid.org/0000-0002-9330-0402">https://orcid.org/0000-0002-9330-0402</a>
Ann-Louise Spurgin	<a href="https://orcid.org/0000-0001-7799-9703">https://orcid.org/0000-0001-7799-9703</a>	Lynell Bassett	<a href="https://orcid.org/0000-0003-3591-7487">https://orcid.org/0000-0003-3591-7487</a>
Ashley Cameron	<a href="https://orcid.org/0000-0003-1479-4334">https://orcid.org/0000-0003-1479-4334</a>	Penni Burfein	<a href="https://orcid.org/0000-0002-1645-3990">https://orcid.org/0000-0002-1645-3990</a>
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Clare Burns	<a href="https://orcid.org/0000-0002-9752-1739">https://orcid.org/0000-0002-9752-1739</a>	Sonia Baker	<a href="https://orcid.org/0000-0002-5852-6588">https://orcid.org/0000-0002-5852-6588</a>
Ellie Minchell	<a href="https://orcid.org/0000-0002-6256-5707">https://orcid.org/0000-0002-6256-5707</a>	Laura Moroney	<a href="https://orcid.org/0000-0002-4320-907X">https://orcid.org/0000-0002-4320-907X</a>

## Publications in 2023

### Journal Articles (RBWH staff in bold)

Ward EC, Hancock KL, Boxall J, **Burns CL**, Spurgin A, Lehn B, et al. Post-laryngectomy pulmonary and related symptom changes following adoption of an optimal day-and-night heat and moisture exchanger (HME) regimen. *Head & Neck*. 2023 Feb 20;45(4):939–51. <https://doi.org/10.1002/hed.27323>

Edwards AL, Holm A, Carding P, Steele M, Froude E, **Burns CL**, et al. Developing novice analysts' videofluoroscopic swallowing study skills in speech-language pathology: A randomised control trial comparing blended and online training approaches. *International Journal of Speech-Language Pathology*. 2023 Jun 9;1–13. DOI: 10.1080/17549507.2023.2212142

Minchell E, Rumbach AF, Farrell A, **Burns CL**, Wong A, Finch E. Acute Dysphagia Following Reperfusion Therapies: A Prospective Pilot Cohort Study. *Dysphagia*. 2023 Jun 28. <https://doi.org/10.1007/s00455-023-10599-6/>

Cook R, Haydon HM, Thomas E, Ward EC, Ross JA, Webb C, et al. Digital divide or digital exclusion? Do allied health professionals' assumptions drive use of telehealth? *Journal of Telemedicine and Telecare*. 2023 Aug 5. <https://doi.org/10.1177/1357633X231189846>

Poon F, Ward EC, **Burns CL**. Adult dysphagia services in acute and subacute settings in Singapore. *Speech, Language and Hearing*. 2023 Sep 11;1–13. <https://doi.org/10.1080/2050571X.2023.2240988>

Edwards AL, Holm A, Carding P, Steele M, Froude E, **Burns CL**, et al. Factors that influence development of speech pathology skills required for videofluoroscopic swallowing studies. *International Journal of Language & Communication Disorders*. 2023 May 15; <https://doi.org/10.1111/1460-6984.12892>

Brown T, Edwards A, Pashley A, **Lehn B**, Vasani S, Hodge R, et al. Nutritional status and post-operative complications in patients undergoing surgery for advanced pharyngeal or laryngeal cancer. *European archives of Oto-Rhino-Laryngology*. 2023 Aug 3. <https://doi.org/10.1007/s00405-023-08139-x>



## Journal Articles (RBWH staff in bold)

Poon F, Ward EC, **Burns CL**. Identifying prioritised actions for improving dysphagia services in Singapore: Insights from concept mapping with patients and caregivers. *International Journal of Language & Communication Disorders*. 2023 Nov 7. <https://doi.org/10.1111/1460-6984.12977>

Foley J, Wishart LR, Ward EC, Burns CL, Packer R, Philpot S, et al. Exploring the impact of remoteness on people with head and neck cancer: Utilisation of a state-wide dataset. *Australian Journal of Rural Health*. 2023 Jun 6;31(4):726–43. Available from: <https://doi: 10.1111/ajr.13005>

Daly LK, de Looze JWM, Forrestal DP, Wagels M, Spurgin AL, Hoey JD, et al. 3D printing for respiratory physiotherapy: a tale of three disciplines. *Annals of 3D Printed Medicine*. 2023 Feb;9:100096. <https://doi.org/10.1016/j.stlm.2022.100096>

Zaga CJ, Berney SC, Hepworth G, Cameron TS, **Baker S**, Giddings C, et al. Tracheostomy clinical practices and patient outcomes in three tertiary metropolitan hospitals in Australia. *Australian Critical Care*. 2022 Apr 27;. <https://doi.org/10.1016/j.aucc.2022.03.002>

Dignam JK, Shrubsole K, O'Brien K, **Bassett L**, **Burfein P**, Hickey N, et al. Implementation of the Comprehensive High-dose Aphasia Treatment (CHAT) program: “*A different way of operating.*” *Aphasiology*. 2023;1–29. <http://dx.doi.org/10.1080/02687038.2023.2287766>

Naumann L, Reul-Hirche H, Comans T, **Burns CL**, Paratz J, Cottrell M. Evaluating telehealth for the education and monitoring of lymphoedema and shoulder dysfunction after breast cancer surgery. *Supportive Care in Cancer*. 2023 Mar 28;31(4). <http://10.1007/s00520-023-07693-8>.

## Keynote or Plenary Lectures given in 2023

Date	Title
Mar-23	<b>Clare Burns</b> . Session Co-chair - Scientific Papers VI - Dysphagia Research Society Meeting, San Francisco, USA
Aug-23	Sandro Porceddu, Elizabeth Ward, <b>Clare Burns</b> , Teresa Brown. Breakfast Session 5A: Meet the Researchers, Australia & New Zealand Head and Neck Cancer Society Annual Scientific Meeting
Aug-23	<b>Clare Burns</b> - Session co-chair - Australia & New Zealand Head and Neck Cancer Society Annual Scientific Meeting, Hunter Valley, Australia