

2021

RBWH Research Report

ALLIED
HEALTH

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Allied Health Professions



Dr Peter Buttrum
Executive Director of Allied Health Professions

The Allied Health Professions (AHP) Service line includes Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Psychology, Social Work and Speech Pathology, as well as the Clinical Multimedia Unit and Aboriginal and Torres Strait Islander Health Liaison Service. We continued to grow our research footprint and celebrate some wonderful research highlights during 2021.

I'm proud to see that AHP-led telehealth research continues to inform and support our organisational response to COVID-19. The collaborative research between Speech Pathology, Occupational Therapy and Physiotherapy departments to evaluate the rapid implementation of telehealth across the AHP service line was awarded best scientific paper at the Successes and Failures in Telehealth international conference and the team were invited to submit a paper in the Journal of Telemedicine and Telecare. Additionally, the AH Teleburns service took out 3 2021 QuARRIES categories. This work is having a tangible local impact as we actively look to improve consumer engagement with telehealth across the RBWH and Metro North.

Our research outputs and successes reflect the hard work of our staff and ongoing commitment of our research champions. These highlights include:

- ❖ 23 new research grants, providing \$1.4 of research funding
- ❖ 90 research publications and 1 book chapter
- ❖ 16 research awards
- ❖ 35 oral presentations at national and international conferences

Among our grant successes were two highly competitive fellowship awards: Alice Pender (audiology) was awarded a Queensland Advancing Clinical Research Fellowship for her research to improve the detection and management of Aboriginal and Torres Strait Islander adults with hearing loss; and Dr Teresa Brown was awarded a Metro North Clinician Research Fellowship to continue her leading research in head and neck cancer supportive care. A/Prof Susie de Jersey (Dietician) was an associate-investigator on a successful multi-partner MRFF funded project to study mothers and their children's healthcare experience.

AHPs celebrated multiple projects funded through the 2021 RBWH Foundation Special Burns Research round, which will improve the participation in physical activity, monitoring of energy expenditure and wound care.

We are continuing to embed a research culture among our workforce. In 2021, Dietician Sarah Anderson was awarded her PhD for her research on nutrition support delivery during stem cell transplantation. Our experienced AHP researchers supervised 53 Research Higher Degree (RHD) students, 24 of these being RBWH staff, which will continue to grow our research capacity.

I want to express my thanks and acknowledge the essential role of our university partners in supporting our research activities. We appreciate the collaborative nature of our MN research partners including the Herston Bio fabrication Institute, Jamieson Trauma Institute as well as our ongoing, strong interdisciplinary partnerships across the RBWH Service Lines.

Centre for Allied Health Research

The Centre for Allied Health Research (CAHR) continued to support research capacity building and the translation of research into practice in the AHP Service line and RBWH more broadly during 2021. We celebrated the success of outgoing Principal Research Fellow, Adrienne Young being awarded the Prof Jeffrey Lipman, Translating Research into Practice award at the 2021 Herston Symposium, recognising her leadership of co-design and translational research. The CAHR-supported Better Together 'Women's Business shared pathway project gained high visibility after being featured by ABC News. This person centred and culturally safe model of care has successfully reduced missed appointments by 40%. Congratulations to Edwina Powl, Adrienne and project team.

We welcomed Kelsey Pateman to the Principal Research Fellow position and conducted a review and refresh of our service line research priorities to include a focus on building person centred care, embedding consumer co-design at all phases of research, supporting department level research and pathways for early career researchers, health service data for research and Value Based Healthcare.

CAHR continued to support AHP departments to implement department level research capacity building strategies and expanded our network for Research Higher Degree students to across Metro North. We supported ongoing collaborative research across service lines for the 'Rapid implementation of telehealth in response to COVID-19'. This high impact project (winning the best paper award at the 21st Successes and Failures in Telehealth conference) has formed evidence for subsequent Metro North wide project to co-design optimal approaches to consumer engagement with telehealth. We continued to support the organisation-wide integration of evidence from telehealth/virtual care evaluations to inform the implementation of the RBWH Virtual Outpatient Care Strategy. We are continuing to embed consumer representation and partnership into our service line and welcomed Anja Christoffersen as the Consumer Representative to our quality and research advisory group. Anja has been instrumental in several projects including: the SEED funded Metro North Consumer Co-design Framework, and the co-design of a person-centred coding framework for qualitative Patient Reported Experience Data, which is a joint project between CAHR and RBWH Safety and Implementation Service.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Cottrell, M., Burns, C. L., Jones, A., Rahmann, A. , Young, A., Sam, S., Cruickshank, M., & Pateman, K.	Best Paper Award	2021 Success and Failures in Telehealth Conference November 2021

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
Kelsey Pateman (CAHR); Fiona Coyer (QUT); Jeffrey Lipman (ICU RBWH) Laurie Walsh (UQ SOD); Saso Ivanovski (UQ SOD)	ICU Research; CAHR; Oral Health Centre	Oral health in the ICU: a multidisciplinary approach to implementing a risk-based oral hygiene program in an ICU setting	MN SEED/LINK	\$20,000	2021-22

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 2021
Kelsey Pateman	Angela Chang (MNHHS AH), Susie de Jersey (Nutrition and Dietetics), Anna Farrell (MSHHS), Jenny Strong (Occupational Therapy), Gai Harrison (Social Work), Jennifer Paratz (no longer in conjoint at RBWH), Peter Buttrum (Allied Health) , Marilyn Banks (N&D)	Understanding research capacity and outputs in allied health workforce at RBWH	N/A
Peter Buttrum	Shaun OLeary (Physiotherapy), Adrienne Young (N&D), Diann Eley (UQ), Marilyn Banks (N&D), Mark Cruickshank (Physiotherapy) 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
Kelsey Pateman	Aideen Hanly-Platz (QIPSS); Kropp M (QIPSS); Anja Christoffersen (Consumer Representative), Dale Trevor (Consumer Representative), Cory Williams (Surg & Periop Services), Colette Barnbrook (Surgery & Periop Services), Elizabeth Ryan (WNS), Christine Petrie (MN Engage) Marilyn Banks (N&D) Adrienne Young (N&D)	How should we code qualitative Patient Reported Experience Data? Development and testing of a person-centred content analysis framework.	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 2021
Alice Pender (Audiology)	Carla Rose (Audiology), Dr Angela Chang (MNHHS AH), Tracy Comans (UQ/CAHR)	Patient outcomes following cochlear implant surgery	
Claudia Lopez Silva	Kelsey Pateman (CAHR) ; Fiona Coyer (QUT); Jeffrey Lipman (ICU RBWH) Laurie Walsh (UQ SOD); Saso Ivanovski (UQ SOD)	Oral health in the ICU: a multidisciplinary approach to implementing a risk-based oral hygiene program in an ICU setting	
Emma Osland (Nutrition and Dietetics)	Kelsey Pateman (CAHR) ; Jeanette Morris (PAH); Melanie Nelms (GCUH)	Oral health and behaviours of adults with chronic intestinal failure requiring Home Parenteral Nutrition	
Joshua Russell	Kelsey Pateman (CAHR) Martin Batstone (MNHHS Maxillofacial Surgery)	Donor Site Morbidity of Composite Free Flaps in Head & Neck Surgery: A Prospective Analysis	
Michelle Cottrell (Physiotherapy)	Adrienne Young, Amber Jones (OT), Clare Burns (SP) Ann Rahmann (CAHR) , Kelsey Pateman (CAHR)	Rapid implementation of telehealth in response to COVID-19: an evaluation of the RBWH Allied Health experience	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Susie de Jersey (Nutrition and Dietetics)	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR) , Leonie Callaway (UQ, WNBS), Claire Gardiner, Taylor Guthrie, Hilary Jimmieson, Angela Chang	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

1. Cottrell M, Burns CL, Jones A, **Rahmann A**, Young A, Sam S, et al. Sustaining allied health telehealth services beyond the rapid response to COVID-19: Learning from patient and staff experiences at a large quaternary hospital. J Telemed Telecare. 2021;27(10):615-24.
2. Russell J, **Pateman K**, Batstone M. Donor site morbidity of composite free flaps in head and neck surgery: a systematic review of the prospective literature. J Oral Max Fac Surg. 2021 Sep;50(9):1147-1155.

Nutrition and Dietetics

Nutrition and Dietetics continues to encourage and develop new researchers, so our first highlight is to congratulate **Michael Wilson** and **Kate Glen** for achieving their first academic publications in 2021. Over 50% of our department were active in research projects and publications in 2021 – a tremendous effort.

Major Achievements:

Dr Sarah Andersen was awarded her PhD from The University of Queensland, for her research on nutrition support delivery during stem cell transplantation, including novel findings on microbiome response.

Two of our team were honoured at the 2021 Dietitians Australia conference - **Dr Kylie Matthews-Rensch** won the best paper for Research in Clinical Practice award and **Dr Susan de Jersey** was presented with a National Award of Merit for her contributions to research in maternal health.

Dr Teresa Brown was awarded one of only 4 Metro North Clinician Research Fellowships, recognising her leading research in head and neck cancer supportive care.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Kylie Matthews-Rensch	Research in Clinical Practice	Dietitians Australia Conference, 11 th July 2021
Susan de Jersey	National Award of Merit	Dietitians Australia
Adrienne Young	Prof Jeffrey Lipman Translating Research into Practice award	Herston Symposium, September 2021
Cottrell, M., Burns, C. L., Jones, A., Rahmann, A., Young, A., Sam, S., Cruickshank, M., & Pateman, K.	Best Paper Award	2021 Success and Failures in Telehealth Conference November 2021

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
Adrienne Young , Shelley Kulperger, Aideen Hanley-Platz, Christine Petrie, Noel Muller, Gary Power, Julene Winn, Helene Jacmon	Nutrition and Dietetics, QIPPS, Consumer Advisory Group, Centre for Allied Health Research	Partnering with consumers: a framework for consumer engagement in innovation and service co-design	MNHHS SEED Funding	\$106,302	2021-2022
Angela Byrnes	Nutrition and Dietetics	Investigating sustainability of practice change implementing early post-operative diet upgrade in colorectal surgical patients	RBWH Foundation Postdoctoral Fellowship	\$50,000	2020-2021
Angela Byrnes	Nutrition and Dietetics	Investigating sustainability of practice change implementing early post-operative diet upgrade in colorectal surgical patients	Women's Research Assistance Program (WRAP)	\$2,600	2021

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
Christoph Lehner, Leonie Callaway, Sailesh Kumar, Katie Foxcroft, Stephanie Lawton, Akwasi Amoako, Alka Kothari, Susie de Jersey	Women's and Newborn Services, Nutrition and Dietetics RBWH; Mater Health Services; Redcliffe Maternity Services	The impact of the COVID-19 pandemic on maternal depression and related disorders during the perinatal period	RBWH Foundation COVID-19 Grants	\$12,891.84	2020-2021
Claire Dux	Nutrition and Dietetics and ICU	Use of Indirect Calorimetry in ICU	SERTA Equipment Grant	\$42,078.30	2022
Gita Mishra, Jenny Doust, Katrina Moss, Deborah Loxton, Lisa Buckley, Kathleen Baird, Anthony Herbert, Seema Mihrshahi, Annette Dobson, Craig Olsson; Galina Daraganova, Leigh Tooth, Debra Anderson, Joanne Gray, Susan de Jersey	Nutrition and Dietetics; UQ; University of Newcastle; UTS; QUT; Macquarie University; Deakin University, AIFS	Mothers and their Children's Healthcare Experience Study (MatCHES)	MRFF PPHR initiative 2020: Maternal First 2000 Days and Childhood Health	\$681 300	2022-2026
Helen Barrett; Susie de Jersey ; Marloes Dekker	Mater Research Institute; Nutrition and Dietetics; UQ Bichemistry and Metabolism	Assessing hyperglycaemia in women pregnant after bariatric surgery"	Diabetes Australia Research Program	\$60 000	2021-2022
Helen MacLaughlin	Nutrition and Dietetics; Exercise and Nutrition Sciences QUT	Creating new synergies to examine kidney-adipose tissue cross-talk during weight loss in adults with obesity and chronic kidney disease	QUT Early and Mid Career Research Grant	\$20 000	2022
Helen MacLaughlin , Margie Conley, Andrea Viecelli, David Johnston, Carel Pretorius, David Mudge, Tammy Tonges, Richard Modderman, Justin Holland	Nutrition and Dietetics, Kidney Health Service, RBWH; QUT; Metro South HHS; Queensland Pathology	Slowing kidney disease with weight loss: a randomised controlled feasibility study	Kidney Health Australia	\$50 000	2021-2022
Jane Musial , Katrina Campbell (MNHHS)	Nutrition and Dietetics, MNHHS	Enhancing obesity management using mHealth: supporting behaviour change to improve long term outcomes	AHPOQ	\$140,067	2019-2021

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
Merrilyn Banks , Christian Redd, David Silvea-Tawil, Judy Bauer , Anita Plaza, Andrea McKittrick, Elizabeth Vuzich	Nutrition and Dietetics, Physiotherapy, Occupational Therapy, Burns, Surgery	Wearable sensors in patients with a burn injury to measure energy expenditure	RBWH Burns Research Project Grant 2022	\$150,000	2022
Sarah Andersen , Andrea Henden, Glen Kennedy, Merrilyn Banks	Nutrition and Dietetics, Clinical Haematology RBWH	Prebiotics, microbial diversity and clinical outcomes post allogeneic stem cell transplantation	Nutricia Research Foundation	€ 28 900 (approx. \$46,500)	2021
Susan de Jersey	Nutrition and Dietetics	Improving nutrition related antenatal care to optimise future health outcomes for mothers and their offspring	MNHHS Clinician Research Fellowships	\$255,157	2020-2024
Susan de Jersey	Nutrition and Dietetics	Improving nutrition related antenatal care to optimise future health outcomes for mothers and their offspring	UQ Faculty of Medicine Clinician Research Support	\$160,000	2020-2024
Susie de Jersey , Michael d'Emden, Leonie Callaway, H. David McIntyre, Nina Meloncelli, Adrian Barnett.	Nutrition and Dietetics, Women's and Newborn Services, Dept of Endocrinology, RBWH; Mater Health Services; School of Public Health, QUT, Sunshine Coast HHS, UQ.	'We changed the whole of Australia's approach to Gestational Diabetes Mellitus screening and diagnosis during COVID-19:' Are these changes worth continuing?	RBWH Foundation COVID-19 Grants	\$49 572	2020-2021
Teresa Brown	Nutrition and Dietetics	A feasibility study to investigate taste changes post-treatment in patients with head and neck cancer and their association with genes and dietary behaviour	RBWH Foundation Postdoctoral Fellowship	\$45,788	2020-2021

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 2021
Abigail Marsh	Kylie Matthews-Rensch, Claire Blake , Jessica Kinneally (STARS), Jet Yee Ho (QUT)	Audit of the introduction of group education for gastrointestinal conditions	
Abigail Marsh	Merrilyn Banks , Graham Radford Smith (Gastroenterology), Veronique Chachay (UQ)	Cross sectional analysis of dietary intake of patients attending the RBWH IBD outpatient clinics: how does their diet compare to Mediterranean diet?	
Abigail Marsh	Angela Byrnes , Veronique Chachay (UQ), Sophie Reinfleish (UQ), Kalina Bennet (UQ)	Dietary Management of Individuals with Active Ulcerative Colitis	
Abigail Marsh	Merrilyn Banks , Graham Radford Smith (Gastroenterology), Veronique Chachay (UQ)	Effects on disease activity, self reported symptoms and microbiota profile in patients with IBD of a modified anti-inflammatory diet	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Adrienne Young	Angela Byrnes , Evonne Miller (QUT), Alison Mudge (IMRU), Gary Power (consumer), Merrilyn Banks , Mark Brough (QUT), Amanda Dines, Prue McRae (IMRU), Chiara Santomauro (CSDS), Tara McCurdie (QIPPS), Samantha Olenksi (IMRU)	Co-designing a positive meal environment for older people in hospital: a multi-phase experience-based co-design study	
Adrienne Young	Anja Christoffersen (consumer rep)	Developing a co-design framework for Metro North	
Adrienne Young	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	
Adrienne Young	Rhiannon Barnes, Katrina Campbell (MN), Jan Hill (PAH)	Evaluating the state-wide implementation of the Framework for Effective and Efficient Dietetics Services (FEEDS)	
Adrienne Young	Claire Blake, An-Yang Chen, Elise Treleaven , Alita Rushton (TPCH), Helen MacLaughlin , Chun Hei Li (QUT), Ching Tung Bonny Yeung (QUT)	Evaluation of new Clinical Dietetic Assistant role for managing hospital malnutrition at RBWH	
Adrienne Young	Sarah Wallace (UQ), Hannah Chung (UQ), Merrilyn Banks (Research Services), Sonia Sam, Tony Williams (Consumer), Scott Parkinson (GARU), Penni Burfein (GARU), Teri Green (UQ/MNHHS)	Measuring the outcomes and value of research: an eDelphi to develop a minimum dataset for rehabilitation	
Adrienne Young	Angela Byrnes, Clare Cutmore, Claire Dux, Helen MacLaughlin , Yuen Ting Jessie Wan (QUT), Yuet Ching Wu (QUT)	Summarising the evidence relating to standardised enteral nutrition protocols: A scoping review	
Amanda Watt	Emma Osland , Vishal Kaushik (Gastroenterology), Craig Harris (Surgery), David Taylor (Surgery), Yan Ning Lam (QUT), Bobo Yeung (QUT)	Examination of nutrition care and support practices for patients having pelvic exenteration surgery	
Amanda Watt	Emma Osland, Claire Blaker , Vishal Kaushik (Gastroenterology), Kelly Polichronis (QUT), Rowan Madkour (QUT), Helen MacLaughlin	Systematic review: micronutrient vulnerabilities in enterally fed patients	
Angela Byrnes	Jessica Fry, Natalie Moran, Adrienne Young, Kate Glen , 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	
Angela Byrnes	Clare Cutmore, Adrienne Young, Elise Treleaven, Joanne Hiatt, Claire Dux, Kylie Matthews, Merrilyn Banks, Jessica Fry	Standardising protocol driven enteral feeding	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Angela Byrnes	Amanda Watt, Adrienne Young, David Clark (Surgery), Rachel Flynn (University of Alberta), Natalie Moran	Sustainability of Enhanced Recovery After Surgery protocols in gastrointestinal surgery: Scoping Review	
Angela Byrnes	Amanda Watt, Adrienne Young, David Clark (Surgery), Natalie Moran	Sustainability of practice change: A scoping survey	
Bianca Neaves	Jack Bell, Sally McCray	Impact of room service on nutritional intake, plate and production waste, meal quality and patient satisfaction and meal costs: A single site pre-post evaluation	
Carrie-Anne Lewis	Ingrid Hickman (PAH), Susan de Jersey, Emma Osland, Siobhan Wallin, Lindsay Web (PAH), George Hopkins (Surgery), Blair Bowden (Surgery), Benjamin Dodd (Surgery), Viral Chikani (Endocrinology), Anthony Cheng (Surgery), Chung Kwun Won (Surgery), Kath Bradley (Surgery), Lara Maidment (Endocrinology)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population	
Cindy Jennings	Lynda Ross, Taylor Guthrie, Helen MacLaughlin, Robin Hay, Angela Byrne	Evaluation of Healthy Eating and Lifestyle Program (HELP) telehealth clinic	
Claire Blake	Joanne Hiatt, Emma Osland, Kay Lasenby (Gastro)	Consumer Engagement of gastrostomy service design and evaluation	
Claire Blake	Merrilyn Banks, Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service	
Claire Blake	Teresa Brown, Anita Pelecanos (QIMR), Laura Moroney (Speech), Jennifer Helios (Speech), Brett Hughes (Cancer Care) Liz Kenny (Cancer Care)	Enteral nutrition support and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy with concurrent chemotherapy or surgery	
Claire Blake	Elise Treleaven, Ally di Bella, Teresa Brown, Adrienne Young, Jenni Leutenegger (Cancer Care), David Wyld (Cancer Care)	Implementation of patient-led malnutrition screening in the cancer care ambulatory setting	
Claire Blake	Rainbow Lai (UQ), Teresa Brown, Anita Pelecanos (QIMR), Laura Moroney (Speech), Jennifer Helios (Speech), David Smith (QIMR), Brett Hughes (Cancer Care) Liz Kenny (Cancer Care), Benjamin Chua (Cancer Care), Judith Bauer	Nutrition outcomes and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy	
Dwayne Garcia	Elise Treleaven, Claire Blake, Natasha O'Hanlon	Review of current practice: Nutrition and Dietetics management of Medical Oncology Inpatients at the Royal Brisbane and Women's Hospital	
Elissa Pacheco	Adrienne Young, Rebecca Smith (TPCH) Juliette Mahero (TPCH), Chloe Jarvis (Redcliffe), Stacey O'Donnell (Caboolture), Anna Farrell (Speech Pathology), Teri Green (QUT), Andrew Wong (Neurology)	Implementation evaluation of an acute stroke nutrition support pathway across Metro North HHS	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Emilie Croisier	Teresa Brown , A Grigg, P Chan, J Goh, Judy Bauer	Dietary counselling to increase soluble fibre in patients with gynaecological cancers undergoing pelvic radiotherapy: a feasibility study	
Emma Osland	Julia Fox (QCH), Janine Meinig (GCUH), Swati Bhatt (PAH), Azmat Ali (PAH)	Enablers and barriers to quality care for Home Parenteral Nutrition (HPN) within Queensland	
Emma Osland	Kelsey Pateman (Allied Health), Jeanette Morris (PAH), Melanie Nelms (GCUH), Claudia Lopez Silva (MNHHS)	Oral health and behaviours of adults with chronic intestinal failure requiring Home Parenteral Nutrition	
Helen MacLaughlin	Andrea Parker (MSHHS), Lisa Mercer (Cairns HHS), Prudence Sterling (QUT), Elizabeth Lambert (QUT)	Effective Nutrition Interventions in Severe Mental Illness: Systematic review	
Helen MacLaughlin	Robin Hay , Andrea Cawte , Gemma Woodruff (Pharmacy), Elizabeth Ryan (Physio), Matthew Seymour (Endocrinology), Clare Pekin (Psych), Madison Goddard (QUT)	Evaluation of the Tertiary Obesity Multidisciplinary Service	
Helen MacLaughlin	Sophie Gouvia (QUT), Chelsea Sharp(QUT), Justine Bastow (COH), Kate Morgan , Julie Brodrick	Healthy Eating in Haemodialysis - a new approach to nutritional care in CKD: a feasibility study	34
Helen MacLaughlin	Kate Morgan , Andrew Mallett (Renal), Belinda Mason , Julie Brodrick	Mediterranean diet as adjunctive therapy to reduce resistant proteinuria in chronic kidney disease – a proof of concept study	9
Helen MacLaughlin	Margie Conley (PAH/QUT), Andrea Vieceili (PAH), David Johnson (PAH), Carel Pretorius (Qld Path), David Mudge (Redland Hosp), Tammy Tonges (consumer), Richard Modderman (PAH), Justin Holland (QUT), Kirsten Hepburn	Slowing kidney disease with weight loss: a randomised controlled feasibility study	
Jane Musial	Margaret Whillier (Diabetes), Heike Krausse (Diabetes), Helen MacLaughlin	DAFNE 10 years participant experience evaluation	
Jane Musial	Mary Hannan-Jones , Adrienne Young , Susie de Jersey , Bonnie Leung (QUT), Chelsea Allport (QUT), Robbie Mullins (QUT), Andrea Cawte	Evaluation of combined QUT-RBWH diabetes clinic - patient and service outcomes	
Joanne Hiatt	Angela Byrnes	Implementation of enteral feeding protocol for patients on 8AN	
Joanne Hiatt	Teresa Brown , Merrilyn Banks , Adrienne Young , Judy Bauer (UQ)	Improving accessibility of nutrition care and peer support following head and neck cancer treatment using experience-based co-design online	
Joanne Hiatt	Teresa Brown , Merrilyn Banks , Judy Bauer (UQ)	Patient Experience of Nutrition Care across three treatment modalities for the management of head and neck cancer.	
Kylie Matthews-Rensch	Clare Cutmore	Audit of management of patients with a medically unstable eating disorder in internal medicine	
Kylie Matthews-Rensch	Clare Cutmore , Kate Morgan	Audit of the introduction of default snacks for patients with medically unstable eating disorders	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Kylie Matthews-Rensch	Clare Cutmore, Adrienne Young, Caroline Summers (IMAC), Sue Patterson (Mental Health)	Eating disorders: to tube or not to tube? A comprehensive evaluation of acceptability and use of a nasogastric refeeding protocol	
Kylie Matthews-Rensch	Claire Blake, Merrilyn Banks, Enoka Gonsalkorala (Hepatology), Barbara Leggett (Hepatology), Richard Skoien (Hepatology), Rohit Gupta (Hepatology), Elise Treleaven	Liver Nutrition Clinics (LiNC): A service evaluation audit to assess clinical and quality of life outcomes	
Merrilyn Banks	Mary Hannan-Jones (QUT)	Evaluation of state-wide HEN service	
Natalie Moran	Claire Blake, Elise Treleaven	Review of current practice: Nutrition and Dietetics management of Haematology Inpatients at the Royal Brisbane and Women's Hospital	
Rebecca Fichera	Teresa Brown, Sarah Andersen, Glen Kennedy (Cancer Care), David Williams (Cancer Care)	New Model of Care for autologous stem cell transplant patients (AutoCare): adherence and clinical outcomes	
Rebecca Fichera	Chin Chin Sarah Siow (QUT), Helen MacLaughlin, Claire Blake	Outcomes of nutrition and physical activity-based cancer survivorship programs – a systematic review	
Sarah Andersen	Rebecca Fichera, Teresa Brown, Glen Kennedy (Haematology), David Williams (Haematology)	Audit of new nutrition support protocol for allogeneic transplantation	
Sarah Andersen	Teresa Brown, Glen Kennedy (CCS), Frederik Steyn (Neurology & UQ), Rebecca Fichera	Energy expenditure in patients undergoing allogeneic stem cell transplantation	
Sarah Andersen	Andrea Henden (haematology) Glen Kennedy (haematology) Merrilyn Banks	Prebiotics, microbial diversity and clinical outcomes post allogeneic stem cell transplantation	
Sarah Andersen	Teresa Brown, Judy Bauer	Systematic review of vitamin requirements during stem cell transplantation	
Siobhan Wallin	Angela Byrnes, Carrie-Anne Lewis, Jane Musial, Helen MacLaughlin, Ingrid Kotzee (QUT), Michaela Henny	Describing enteral nutrition support practices in patients with post-operative complications following bariatric surgery	
Susie de Jersey	Nina Meloncelli (MN AH, SCUH), Michael d'Emden (Endo), Leonie Callaway (WNBS), 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?	
Susie de Jersey	Lynda Ross (QUT), Helen MacLaughlin, Rachel Willims (QUT), Hayley Sullivan (QUT), Taylor Guthrie	Care provided to pregnant women with a history of bariatric surgery: retrospective audit of clinical care and outcomes	
Susie de Jersey	Leonie Callaway (UQ, WNBS), Taylor Guthrie, Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Karen New (UQ, Women's and Newborn)	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain	

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Susie de Jersey	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), Claire Gardiner, Hilary Powlesland, Taylor Guthrie , Angela Chang (CAHR)	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	
Susie de Jersey	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	
Susie de Jersey	Nina Meloncelli (MN AH, SCUH), Michael d'Emden (Endo), Leonie Callaway (WNBS), Adrian Barnett (QUT), David McIntyre (Mater)	Staff and consumer experiences with changes to Gestational Diabetes Mellitus (GDM) screening and diagnosis during COVID-19	46
Teresa Brown	Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service), Judy Bauer	Assessment of sarcopenia and malnutrition in patients with head and neck cancer undergoing treatment of curative intent – implications for practice	
Teresa Brown,	Daniel Hwang (UQ), Elise Treleven , Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Charles Lin (Cancer Care), Penny Webb (QIMR), Anita Pelecanos (QIMR), Judy Bauer (UQ)	A feasibility study to investigate taste changes post treatment in patients with head and neck cancer and their association with genes and dietary behaviour	

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 2021
Alex Molassiotis (Hong Kong)	Teresa Brown , Ray Chan (PAH, QUT), Angela Byrnes, Rebecca Fichera , Patsy Yates (QUT), Andrea Marshall (Griffith), Liz Isenring (Bond University), David Wyld (Cancer Care), Melissa Eastgate (Cancer Care)	A patient-family-centred intervention to promote nutrition in advanced cancer patients: a pilot randomised controlled trial	
Alison Mudge (IMRU)	Adrienne Young , 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	
Alita Rushton (TPCH)	Adrienne Young , Judy Bauer (UQ), Belinda Gavaghan (AHPOQ), Heather Keller (University of Waterloo), Jack Bell (TPCH)	Evaluating Full Scope Dietitian Assistant Opportunities within a Systematised Interdisciplinary Malnutrition Program (SIMPLE)	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Angela T Chang (CAHR)	Susie de Jersey , Anna Farrell (Speech Pathology), Jenny Strong (Occupational Therapy), Adrienne Young , Gai Harrison (Social Work), Jennifer Paratz (Physiotherapy), Peter Buttrum (AHP), Merrilyn Banks	Understanding research capacity and outputs in allied health workforce at RBWH	
Cassie Beaven (Gastroenterology)	Vishal Kaushik (Gastroenterology), Claire Blake	An evaluation of nonendoscopic first change of percutaneous endoscopic gastrostomy (PEG) in the Royal Brisbane and Women's Hospital (RBWH) Gastroenterology Department	
Christoph Lehner (WNBS)	Leonie Callaway (WNBS), Alka Kothari (Redcliffe), Anousha Woods (WNBS), Katie Foxcroft (WNBS), Susie de Jersey , 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	
Chung Nga Lam (Bond university)	Jaimon Kelly (Bond), Elizabeth Iserning (Bond), Amanda Watt , Barbara van der Meij (Bond, Mater hospital)	The effect of omega-3 polyunsaturated fatty acid supplementation on muscle maintenance and quality of life: a systematic review.	
Claire Nelson (QUT)	Merrilyn Banks , Mary Hannan-Jones (QUT), Kathleen Findlayson (QUT)	Nutritional status of community dwelling individuals with chronic leg wounds	
Clare Dix (UQ)	Carrie-Anne Lewis, Angela Byrnes, Jane Musial, Hilary Powlesland , Matthew Seymour (SWBS), Siobhan Wallin	Best-practice management of dumping syndrome post-bariatric surgery	
Danielle Mahoney (UQ)	Catherine Haslam (UQ), Helen MacLaughlin, Cindy Jennings	A Social Identity Approach to Physical Health: The Impact of Social Connectedness on Diet Adherence	
David Clark (Colorectal surgery, RBWH)	Amanda Watt , Aleks Edmundson (colorectal surgery), Elizabeth Lupschen (stomal therapy) and John Panizza (TPCH)	Hospital readmission for dehydration following creation of a diverting loop ileostomy after colorectal surgery	
David Clark (Colorectal surgery, RBWH)	Amanda Watt , Aleks Edmundson (colorectal surgery), Elizabeth Lupschen (stomal therapy) and John Panizza (TPCH)	Use of a mobile phone application to promote hydration in post-discharge care of the ileostomy patient	
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 Treleaven	Delirium in older psychiatry inpatients: protocol for an observational study	
Elizabeth Ahern (Monash)	Teresa Brown , Brett Hughes (Cancer Care), Louise Campbell (PET), Merrilyn Banks , Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Impact of early proactive nutrition intervention on survival outcomes at 1,3,and 5 years post treatment for head and neck cancer	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Emma Ridley (Monash)	Dr 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), Claire Dux	Nutrition practice in critically ill adults – an observational study (NUTRIENT)	18
Emma Ridley (Monash)	Lee-anne Chapple, Matthew Summers (Royal Adelaide), Lewis Campbell, Melanie Blair (Royal Darwin), Claire Dux , Emma Osland , Suzie Ferrie (RPAH), Kate Fetterplace (Royal Melbourne), Matin Jamei (Nepean), Victoria King, Ary Sepa Neto (ANZIC Monash), Andrea Marshall (GCUH), Andrew Udy (The Alfred)_	Post-Intensive Care Nutrition Status in Patients with COVID-19	3
Emma Shipton (WNBS)	Susie de Jersey , Katie Foxcroft (WNBS), Leonie Callaway (WNBS), Nigel Lee (UQ)	Antenatal Models of Care and the effect on breastfeeding rates after discharge	
Erynn McAuley (QUT)	Lynda Ross (QUT), Helen MacLaughlin	Diet Quality and Self Efficacy in patients with Chronic Kidney Disease	
Hannah Olufson (STARS)	Theresa Green (STARS), Adrienne Young , Ella Ottrey (Monash)	Ethnographic exploration of person-centred nutrition care	
Heidi White (Physiotherapy)	Rebecca Fichera , Elise Treleven , Claire Blake , Leonie Namann (Physiotherapy)	Implementing sarcopenia screening in the oncology day therapy unit	
Helen Barrett (UQ, Mater Health Services)	Marloes Dekker (UQ), H David McIntyre (Mater and UQ), Michael d'Embden (Endocrinology), Leonie Callaway (WNBS), Susie de Jersey	Post prandial triglycerides in diabetes in pregnancy: a pilot study	
Ian Graham (Ottawa Hospital Research Institute)	Mike Brown, Rachel Davis, Gillian Harvey, T George Hornby, Elizabeth Lynch, Jennifer Moore, Julia Moore, Alison Mudge, Adrienne Young , Dawn Stacey, Sharon Straus, Peter Qyer, Jessica Reszel	Exploring the experiential knowledge of those offering knowledge translation and implementation capacity building initiatives to practitioners: A mixed-methods study	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Irene Deftereos (Western Health Melbourne)	Nicole Kiss (Uni Melbourne), Justin Yenug (Uni Melbourne), Vanessa Carter (Western Health), Teresa Brown , Sharon Carey (RPA)	Awareness and perceptions of nutrition support in upper gastrointestinal cancer surgery: A national survey of multidisciplinary clinicians	
Jack Bell (TPCH)	Adrienne Young , Alita Rushton (TPCH), Belinda Gavaghan (AHPOQ), Heather Keller (University of Waterloo), Jan Hill (PAH), Merrilyn Banks , Rhiannon Barnes (AHPOQ), Tracy Comans (UQ)	SIMPLE Phase II: Knowledge Translation	
Judy Bauer (UQ)	Nathan Baldwin (UQ), Merran Findlay (Sydney), Teresa Brown	Evaluation of implementation, enablers and barriers for the "Evidence-based guidelines for the nutritional management of adult patients with head and neck cancer."	
Justin A Ezekowitz (University of Alberta)	John Atherton (Cardiology), Kate Morgan , Lynda Ross (Griffith), Belinda Mason	SODIUM-HF (Study of Dietary Intervention Under 100 MMOL in Heart Failure)	
Katrina Campbell (MNHHS)	Jane Musial , Rebecca Healy , Charlene Matthews (Griffith)	Evaluation of an mHealth Model of Care for bariatric surgery patients	
Katrina Campbell (MNHHS)	Jane Musial , Rebecca Healy , Charlene Matthews (Griffith), KharMun Ng (QUT)	Perspectives on technology use to enhance self-management: A qualitative study of patients undergoing Bariatric Surgery	
Kelsey Pateman (CAHR)	Adrienne Young , Anja Christoffersen (consumer rep), Cory Williams (surgery), Colette Bambrook (surgery), Elizabeth Ryn (WNBS), Christine Petrie (MN Engage), Merrilyn Banks , 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	
Kerinya Pillai (Medical Services)	Adrienne Young , Natalie Hwang (UQ), Champika Puttullo (Pharmacy), Alison Mudge (Internal Medicine), Margaret Cahill (Internal Medicine), Carly Scott (Health Information Services)	Understanding hospital acquired constipation at RBWH – retrospective chart audit	
Kevin Laupland (ICU)	Felicity Edwards (ICU), Claire Dux	Caffeine consumption and withdrawal among patients in the Intensive Care Unit	
Loris Pironi (Home Artificial Nutrition Group, ESPEN)	Emma Osland	International benchmarking of Home Parenteral Nutrition service provision and validation of ESPEN chronic intestinal failure classifications.	
Margie Conley (MSHHS, QUT)	Andrea Viecelli (MSHHS, UQ), David Johnson (MSHHS, UQ), Hannah Mayr (MSHHS), Mikeeley Hoch (MSHHS), Helen MacLaughlin	Acceptability and adherence of low energy diets for obesity management in chronic kidney disease	
Margie Conley (MSHHS, QUT)	Helen MacLaughlin , Katrina Campbell (MN), Kath McFarlane (SC), David Johnson (MSHHS)	Interventions for weight loss in people with chronic kidney disease who are overweight or obese – systematic review	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Michelle Cottrell (physiotherapy)	Adrienne Young , Clare Burns (SP), Amber Jones (OT), Ann Rahmann (CAHR), Kelsey Pateman (Research Services)	Evaluating models of care following COVID-19 pandemic: A framework for Metro North HHS.	
Michelle Palmer (Logan)	Elaina Elder Robinson (UQ); Shannon Huxtable (Logan), Susie de Jersey	National survey of antenatal clinics to determine care practices for pregnant women with previous bariatric surgery	
Nassar Lafta (Gastroenterology)	Jessica Kinneally , Mark Appleyard (Gastroenterology), Florian Grimpen (Gastroenterology), Kimberley Ryan (Gastroenterology)	TFGED (two food group elimination diet) versus swallowed fluticasone for the management of adult eosinophilic esophagitis, a multi-centered randomized prospective study.	
Nerida Hart (QUT)	Mary Hannan-Jones (QUT), Merrilyn Banks	What makes a quality foodservice system?	
Nicolas Anning,	Abby Yu, Gemma Woodruff, Tom Skopp, Ismail Arbi, Deepali Gupta, A/Prof Karen Whitfield (all Pharmacy), Jane Musial , George Hopkins (Surgery)	Managing Medicines After Bariatric Surgery	
Nicole Gavin (Cancer Care)	Glen Kennedy (Cancer Care), David Patterson (Infectious Diseases), Claire Rickard (Griffith Uni), Sarah Andersen , 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	
Oliver Ritchie (UQ)	Teresa Brown, Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service), Judy Bauer (UQ)	Comparison of body composition methods in head and neck cancer patients undergoing chemoradiotherapy – PET-CT vs BIA	
Peter Buttrum (RBWH Allied Health)	Shaun OLeary (Physiotherapy), Adrienne Young , Diann Eley (UQ), Merrilyn Banks , 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	
Ra'eesa Doola (PAH)	Lee-anne Chapple, Adam Deane, Alison Griffin, Meg Harward, Anne Leditschke, Emma Ridley, David Sturgess, James Walsham, Peter Kruger, Claire Dux	REDuced CARBohydrate enteral formula compared to standard care in hyperglycaemic critically ill tube fed patients – a randomised controlled phase II trial (REDCARB)	
Samantha Olenski (IMS)	Alison Mudge (IMS), Adrienne Young , Prue McRae (IMS), Kimberley Mallan (ACU), Zoe Walsh (CISS), Jill Ross (CISS), Alanna Geary (Nursing and Midwifery), Elise Treleaven	Developing and validating a novel survey to identify barriers and enablers to improving nutrition care in acute and subacute inpatient settings	
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.	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Shelley Wilkinson (Mater, UQ)	Danielle Schoenaker (Uni Southampton), Susie de Jersey , Clare Collins (Newcastle Uni), Megan Rollo (UN), Marloes Nitert Dekker (UQ), Helen Barrett (Mater, UQ), Linda Gallo (UQ), Sailesh Kumar (Mater, UQ), Vicki Clifton (UQ)	MQFC Sub-study: How does dietary intake and gestational weight gain change over pregnancy?	
Shelley Wilkinson (UQ)	Jack Bell (TPCH/UQ), Bianca Neaves , Sally McCray (Mater), Katrina Campbell (MNHHS)	Qualitative analysis of the implementation of a hospital room service in a large metropolitan hospital: foundations for transformation	
Shu Fen Lee (Cancer Care)	Melissa Eastgate (Cancer Care), David Wyld (Cancer Care), Teresa Brown	Patient perceptions of diet and cancer – survey of cancer care patients	
Tessa Funk (UQ)	Liana Tunzi (UQ), Merran Findlay (RPA), Teresa Brown , Judy Bauer (UQ)	Optimal frequency of individualised nutrition counselling in HNC patients pre/during/post treatment - A systematic review	
Veronica Costea (Karolinska Institut)	Angela Byrnes, Adrienne Young , 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	
Victoria Eley (Anaesthetics)	Laura McDermott (DAPM), Anita Pelacanos (QIMR), Amy Krepska (DAPM), Geraldine Lee (DAPM), Derek Moa (DAPM), Annika Blackie (DAPM), Susie de Jersey	Oral Intake in Labour	
Xiaodan Ye (UQ)	Yuan-Chin Chang (UQ), Merran Findlay (RPA), Teresa Brown , Judy Bauer (UQ)	Does gastrostomy impact duration of tube use, tube complications and dysphagia? - A systematic review	

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

1. McLaren-Hedwards T, D'Cunha K, Elder-Robinson E, Smith C, **Jennings C, Marsh A**, et al. Effect of communal dining and dining room enhancement interventions on nutritional, clinical and functional outcomes of patients in acute and sub-acute hospital, rehabilitation and aged-care settings: A systematic review. *Nutr Diet*. 2021.
2. Kozica-Olenski S, **Treleaven E**, Hewitt M, McRae P, **Young A**, Walsh Z, et al. Patient-reported experiences of mealtime care and food access in acute and rehabilitation hospital settings: a cross-sectional survey. *J Hum Nutr Diet*. 2021;34(4):687-94.
3. Mudge AM, **Young A**, McRae P, Graham F, Whiting E, Hubbard RE. Qualitative analysis of challenges and enablers to providing age friendly hospital care in an Australian health system. *BMC Geriatr*. 2021;21(1):147.
4. Chan DL, Clarke SJ, Engel A, Diakos CI, Pavlakis N, Roach PJ, **Bauer J** et al. Computed tomography (CT)-defined sarcopenia and myosteatosis are prevalent in patients with neuroendocrine neoplasms (NENs) treated with peptide receptor radionuclide therapy (PRRT). *Eur J Clin Nutr*. 2022;76(1):143-9.
5. **de Jersey S**, Meloncelli N, **Guthrie T, Powlesland H**, Callaway L, Chang AT, et al. Implementation of the Living Well During Pregnancy Telecoaching Program for Women at High Risk of Excessive Gestational Weight Gain: Protocol for an Effectiveness-Implementation Hybrid Study. *JMIR Res Protoc*. 2021;10(3):e27196.

Journal Articles (RBWH staff in bold)

6. d'Emden MC, Ungerer JP, **de Jersey SJ**. Alternative screening protocols may miss most cases of gestational diabetes mellitus during the COVID-19 pandemic. *Med J Aust*. 2021;214(6):284-e1.
7. Davidson SJ, **de Jersey SJ**, Britten FL, Wolski P, Sekar R, Callaway LK. Fetal ultrasound scans to guide management of gestational diabetes: Improved neonatal outcomes in routine clinical practice. *Diabetes Res Clin Pract*. 2021;173:108696.
8. Schoenaker D, **de Jersey S**, Willcox J, Francois ME, Wilkinson S. Prevention of Gestational Diabetes: The Role of Dietary Intake, Physical Activity, and Weight before, during, and between Pregnancies. *Semin Reprod Med*. 2020;38(6):352-65.
9. Meloncelli N, Wilkinson SA, **de Jersey S**. Searching for Utopia, the Challenge of Standardized Medical Nutrition Therapy Prescription in Gestational Diabetes Mellitus Management: A Critical Review. *Semin Reprod Med*. 2020;38(6):389-97.
10. Molassiotis A, **Brown T**, Cheng HL, **Byrnes A**, Chan RJ, Wyld D, et al. The effects of a family-centered psychosocial-based nutrition intervention in patients with advanced cancer: the PICNIC2 pilot randomised controlled trial. *Nutr J*. 2021;20(1):2.
11. **Osland EJ, Andersen S**, Coleman E, Marshall B. Revisiting the Evidence for the Reuse of Enteral Feeding Equipment in Ambulatory Patients: A Systematic Review. *Nutr Clin Pract*. 2021;36(1):169-86.
12. Bell JJ, **Young AM**, Hill JM, **Banks MD**, Comans TA, **Barnes R**, et al. Systematised, Interdisciplinary Malnutrition Program for implementation and Evaluation delivers improved hospital nutrition care processes and patient reported experiences - An implementation study. *Nutr Diet*. 2021;78(5):466-75.
13. Conley MM, McFarlane CM, Johnson DW, Kelly JT, Campbell KL, **MacLaughlin HL**. Interventions for weight loss in people with chronic kidney disease who are overweight or obese. *Cochrane Database Syst Rev*. 2021;3(3):Cd013119.
14. Brown TJ, Williams H, Mafriqi B, Jackson HS, Johansson L, Willingham F, McIntosh A, **MacLaughlin HL**. Dietary interventions with dietitian involvement in adults with chronic kidney disease: A systematic review. *J Hum Nutr Diet*. 2021;34(4):747-57.
15. Ye X, Chang YC, Findlay M, **Brown T, Bauer J**. The effect of timing of enteral nutrition support on feeding outcomes and dysphagia in patients with head and neck cancer undergoing radiotherapy or chemoradiotherapy: A systematic review. *Clin Nutr ESPEN*. 2021;44:96-104.
16. Donovan P, Eccles-Smith J, Hinton N, **Cutmore C**, Porter K, Abel J, et al. The Queensland Inpatient Diabetes Survey (QuIDS) 2019: the bedside audit of practice. *Med J Aust*. 2021;215(3):119-24.
17. Rushton A, **Young A**, Keller H, **Bauer J**, Bell J. Delegation Opportunities for Malnutrition Care Activities to Dietitian Assistants-Findings of a Multi-Site Survey. *Healthcare (Basel)*. 2021;9(4).
18. **Young AM**, Hickman I, Campbell K, Wilkinson SA. Implementation science for dietitians: The 'what, why and how' using multiple case studies. *Nutr Diet*. 2021;78(3):276-85.
19. Tan J, Lau KM, **Ross L, Kinneally J, Banks M**, Pelecanos A, et al. Development of a new tool to monitor and identify inadequate oral intake in hospital. *Nutr Diet*. 2021;78(3):296-304.
20. **Croisier E**, D'Cunha K, **Brown T, Bauer J**. Exploration of current dietetic practices for patients with gynaecological cancers undergoing radiotherapy in Australia: a cross-sectional survey. *Support Care Cancer*. 2021;29(11):6171-4.
21. Tunzi L, Funk T, **Brown T**, Findlay M, Bauer J. Optimal frequency of individualised nutrition counselling in patients with head and neck cancer receiving radiotherapy: A systematic review. *J Hum Nutr Diet*. 2022;35(1):223-33.
22. Barrett HL, Dekker Nitert M, D'Emden M, Lingwood B, **de Jersey S**, McIntyre HD, et al. Capillary Triglycerides in Late Pregnancy-Challenging to Measure, Hard to Interpret: A Cohort Study of Practicality. *Nutrients*. 2021;13(4).
23. Lam CN, **Watt AE**, Isenring EA, de van der Schueren MAE, van der Meij BS. The effect of oral omega-3 polyunsaturated fatty acid supplementation on muscle maintenance and quality of life in patients with cancer: A systematic review and meta-analysis. *Clin Nutr*. 2021;40(6):3815-26.
24. **MacLaughlin HL**, Pike M, Selby NM, Siew E, Chinchilli VM, Guide A, et al. Body mass index and chronic kidney disease outcomes after acute kidney injury: a prospective matched cohort study. *BMC Nephrol*. 2021;22(1):200.
25. **Glen K**, Hannan-Jones M, **Banks M**, Elizabeth Weekes C. Ongoing pH testing to confirm nasogastric tube position before feeding to reduce the risk of adverse outcomes in adult and paediatric patients: A systematic literature review. *Clin Nutr ESPEN*. 2021;45:9-18.

Journal Articles (RBWH staff in bold)

26. McMahon EJ, Campbell KL, **Bauer JD**, Mudge DW, Kelly JT. Altered dietary salt intake for people with chronic kidney disease. *Cochrane Database Syst Rev.* 2021;6:CD010070.

27. Rushton A, Elmas K, **Bauer J**, Bell JJ. Identifying Low Value Malnutrition Care Activities for De-Implementation and Systematised, Interdisciplinary Alternatives-A Multi-Site, Nominal Group Technique Approach. *Nutrients.* 2021;13(6).

28. Findlay M, White K, Stapleton N, **Bauer J**. Is sarcopenia a predictor of prognosis for patients undergoing radiotherapy for head and neck cancer? A meta-analysis. *Clin Nutr.* 2021;40(4):1711-8.

29. Rushton A, Edwards A, **Bauer J**, Bell JJ. Dietitian assistant opportunities within the nutrition care process for patients with or at risk of malnutrition: a systematic review. *Nutr Diet.* 2021;78(1):69-85.

30. Edwards A, Baldwin N, Findlay M, **Brown T**, **Bauer J**. Evaluation of the agreement, adoption, and adherence to the evidence-based guidelines for the nutritional management of adult patients with head and neck cancer among Australian dietitians. *Nutr Diet.* 2021.

31. **Hiatt JS**, **Young A**, **Brown TE**, **Banks M**, **Bauer J**. Patient and carer experience of nutrition care throughout and beyond treatment for head and neck cancer: a qualitative longitudinal study. *Support Care Cancer.* 2022;30(1):813-24.

32. Vangelov B, **Bauer J**, Kotevski D, Smee RI. The use of alternate vertebral levels to L3 in computed tomography scans for skeletal muscle mass evaluation and sarcopenia assessment in patients with cancer: a systematic review. *Br J Nutr.* 2021:1-14.

33. Findlay M, **Bauer J**, Shaw T, White K, Lai M, Rankin NM. "There's a lot of talent in the room but it's only really the medical talent that gets heard": a qualitative exploration of multidisciplinary clinicians' perspectives of optimal nutrition care of patients with head and neck cancer. *Support Care Cancer.* 2021;29(11):6399-409.

34. Beck AK, Baker AL, Carter G, Robinson L, McCarter K, Wratten C, **Bauer J** et al. Is fidelity to a complex behaviour change intervention associated with patient outcomes? Exploring the relationship between dietitian adherence and competence and the nutritional status of intervention patients in a successful stepped-wedge randomised clinical trial of eating as treatment (EAT). *Implement Sci.* 2021;16(1):46.

35. Bahri Khomami M, Walker R, Kilpatrick M, **de Jersey S**, Skouteris H, Moran LJ. The role of midwives and obstetrical nurses in the promotion of healthy lifestyle during pregnancy. *Ther Adv Reprod Health.* 2021;15:1-12.

36. Pinto AM, **MacLaughlin HL**, Hall WL. Heart Rate Variability and Long Chain n-3 Polyunsaturated Fatty Acids in Chronic Kidney Disease Patients on Haemodialysis: A Cross-Sectional Pilot Study. *Nutrients.* 2021;13(7).

37. Sandhu SA, Angel CA, Campbell KL, Hickman IJ, **MacLaughlin HL**. Standardised Outcome Reporting for the Nutrition Management of Complex Chronic Disease: A Rapid Review. *Nutrients.* 2021;13(10).

38. Olufson HT, **Young AM**, Green TL. The delivery of patient centred dietetic care in subacute rehabilitation units: A scoping review. *J Hum Nutr Diet.* 2022;35(1):134-44.

39. Whillier M, **Musial J**, **MacLaughlin HL**. Evaluation of patient experience post structured education for diabetes self management (Dose Adjustment For Normal Eating-OzDAFNE). *Diabetes Res Clin Pract.* 2021;181.

40. **Marsh A**, Radford-Smith G, **Banks M**, Lord A, Chachay V. Dietary intake of patients with inflammatory bowel disease aligns poorly with traditional Mediterranean diet principles. *Nutr Diet.* 2021.

41. **Marsh A**, Rindfleisch S, Bennett K, Croft A, Chachay V. Outcomes of dietary management approaches in active ulcerative colitis: A systematic review. *Clin Nutr.* 2021;41(2):298-306.

42. **MacLaughlin HL**, Friedman AN, Ikizler TA. Nutrition in Kidney Disease: Core Curriculum 2022. *Am J Kidney Dis.* 2021. doi: 10.1053/j.ajkd.2021.05.024

43. **Osland EJ**, Yunus RM, Khan S, Memon MA. Results and Conclusions of "Five-Year Weight Loss Outcomes in Laparoscopic Vertical Sleeve Gastrectomy (LVSG) Versus Laparoscopic Roux-en-Y Gastric Bypass (LRYGB) Procedures: A Systematic Review and Meta-analysis of Randomized Controlled Trials" Unchanged by Omission of Retracted Ruiz-Tovar et al Article. *Surg Laparosc Endosc Percutan Tech.* 2021. doi: 10.1097/SLE.0000000000001017

44. **Musial J**, **Cawte A**, Mullins R, Hannan-Jones M, de Jersey S. Implementation and evaluation of a university-hospital partnership program for Type 2 diabetes. *Aust Health Rev.* 2021. doi.org/10.1071/AH21173

Journal Articles (RBWH staff in bold)

45. **Blake C**, Edwards A, **Treleaven E**, **Brown T**, Hughes B, Lin C, et al. Evaluation of a novel pre-treatment model of nutrition care for patients with head and neck cancer receiving chemoradiotherapy. *Nutr Diet*. 2021. doi.org/10.1111/1747-0080.12714.
46. **Hiatt J**, **Young A**, **Brown T**, **Banks M**, **Bauer J**. Exploring dyadic management of nutrition care throughout and beyond head and neck cancer treatment. *J Clin Nurs*. 2021. doi: 10.1111/jocn.16096
47. Cottrell M, Burns CL, Jones A, Rahmann A, **Young A**, Sam S, et al. Sustaining allied health telehealth services beyond the rapid response to COVID-19: Learning from patient and staff experiences at a large quaternary hospital. *J Telemed Telecare*. 2021;27(10):615-24.
48. Lowe JR, Wallace SJ, Sam S, **Young A**. Minimum data and core outcomes for subacute rehabilitation: A scoping review. *Clin Rehabil*. 2021. doi:10.1177/02692155211060468
49. Wilkinson, S A.; Hickman, I; Cameron, A; **Young, A**; Olenski, S; McRae, P; O'Brien, M 'It seems like common sense now' Experiences of allied health clinicians participating in a knowledge translation telementoring program. *JBI Evidence Implementation*: 2021 - doi: 10.1097/XEB.0000000000000297
50. Hickman IJ, Cameron AE, McRae P, Wilkinson SA, O'Brien M, Kozica-Olenski S, **Young AM**. Feasibility and acceptability of a pilot knowledge translation telementoring program for allied health professionals. *Internet Journal of Allied Health Sciences and Practice*. 2021; 19(4): 1-14.
51. Edwards A, Santos C, Chen A-, **Bauer J**, **Banks M**. Nutritional interventions for oral mucositis: a systematic literature review. *Nutr Diet* 2021;78(1):101-114.
52. Chan, H. M., Jaffe, J. L., D'Souza, N. J., Lowe, J. R., & **Matthews-Rensch, K.** (2021). Goal energy intake for medically compromised patients with eating disorders: A systematic review. *Nutrition & Dietetics*, 78(1), 86-100.
53. Mellors K, Ye X, Van Den Brande J, Mak T, **Brown T**, Findlay M, **Bauer J**. Comparison of Prophylactic Percutaneous Endoscopic Gastrostomy with Reactive Enteral Nutrition in Patients with Head and Neck Cancer Undergoing Radiotherapy or Chemoradiotherapy: A Systematic Review. *Clin Nutr ESPEN*. 2021. <https://doi.org/10.1016/j.clnesp.2021.09.724>
54. Deftereos I, Kiss N, **Brown T**, Carey S, Carter V, Usatoff V, Ananda S, Yeung J. Awareness and perceptions of nutrition support in upper gastrointestinal cancer surgery: A national survey of multidisciplinary clinicians. *Clin Nutr ESPEN*. 2021. doi.org/10.1016/j.clnesp.2021.09.734
55. **Croisier E**, Morrissy, A, **Brown T**, Grigg A, Chan P, Goh J, **Bauer J**. Nutrition risk screening and implications for patients with gynaecological cancers undergoing pelvic radiotherapy and/or other treatment modalities: a retrospective observational study. *Nutrition & Dietetics* 2021. Dec 2. doi: 10.1111/1747-0080.12712.

Book Chapters (RBWH staff in bold)

1. Mudge, A, **Young, A**, Cahill, M, **Treleaven, E**, Spirigiene, L. Nutrition and Delirium. *Interdisciplinary Nutritional Management and Care for Older Adults: An Evidence-Based Practical Guide for Nurses*. O.G. Geirsdottir and J.J. Bell. Switzerland, Springer.

Occupational Therapy

Research highlights should be no more than 500 words, written in paragraph form highlighting the key outcomes and achievements in research for 2021.

Research underpins the delivery of the best clinical practice to patients and families, and here in Occupational Therapy, we have continued to foster and enable research by our clinicians. During 2021, Occupational Therapy continued to expand its research volume, depth and impact.

One of the pathways to support research in occupational therapy has been to grow our research capability through higher degree research training. In 2021, 9 of our RBWH Occupational Therapists were enrolled in a research higher degree; 4 PhD and 5 MPhil degrees. Of these 9 occupational therapists, 4 were successful in their application to work at The Surgical Treatment and Rehabilitation Service (STARS) which was commissioned in February 2021 at the Herston Health Service Precinct.

Another important part of our research strategy has been to build partnerships. The multi-disciplinary lens is so important in answering the big clinical questions. In this regard, Occupational Therapy continues to grow our collaborations with ongoing successful partnerships with the Herston Biofabrication Institute, The Jamieson Trauma Institute, The University of Queensland Faculty of Engineering, RECOVER Injury Research Group and The University of Queensland School of Health and Rehabilitation Sciences.

The third arm of our research strategy has been to utilise practice audits to enhance, timely access to evidence based care. All four clinical teams within Occupational therapy now undertake an annual auditing programme against relevant clinical practise guidelines.

Highlights of the 2021 year include:

- ❖ 17 peer reviewed publications
- ❖ 4 RBWH Foundation Scholarship awarded – 4 renewals
- ❖ CAHRLI RBWH Award for Research, Learning and Innovation Award to Amber Jones, Trauma Team Leader and Perry Judd, Deputy Director Physiotherapy for the Allied Health TeleBurns Service
- ❖ Amber Jones and her Team awarded 3 QUARRIES Awards and 2 best paper/oral presentation for their innovative work on Burns Telehealth
- ❖ 4 Oral conference presentations at National and International conferences
- ❖ Dr Nicole Andrew's *Overactivity in Persistent Pain Assessment (OPPA)* tool is now being translated into German, Icelandic and Turkish
- ❖ Secured a total of \$185, 211 in research grant funds to support research activities
- ❖ 1 CAHRLI pre-RHD scholarship awarded

Themes of research undertaken within Occupational Therapy include Student Resources Services of group programmes in rehabilitation, sensory sensitivities in adherence with Burns care, Technology as an adjunct for scar management, measurement of hand burn injury through a specialist outcome measurement, telehealth utilisation and evaluation and the use of virtual reality to enhance upper limb rehabilitation.

Keynote or Plenary Lectures given in 2021

Date	Title
06/2021	Mc Kittrick, A. Burn Rehabilitation Innovations in High Income Countries. 20 th Congress of the International Society for Burn Injuries Virtual Meeting 14-17 June 2021
06/2021	Mc Kittrick, A. Low cost massage roller for burn scar massage. 20 th Congress of the International Society for Burn Injuries Virtual Meeting 14-17 June 2021

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	Best Oral Presentation: The Royal Brisbane and Women's Hospital (RBWH) Allied Health TeleBurns Service: an implementation evaluation using the RE-AIM approach (presented by Amber Jones)	Metro North and Metro South Allied Health Research Symposium, 6 th October 2021
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	QuARRIES Allied Health Professions Service Line Award: RBWH Allied Health TeleBurns Service	RBWH QuARRIES (Quality Awards Recognising Remarkable Initiative and Excellence in Service), 18 th November 2021
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	QuARRIES Winner – Fostering Innovation Project: RBWH Allied Health TeleBurns Service	RBWH QuARRIES (Quality Awards Recognising Remarkable Initiative and Excellence in Service), 18 th November 2021
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	QuARRIES Winner – Overall Superior Quality Achiever: RBWH Allied Health TeleBurns Service	RBWH QuARRIES (Quality Awards Recognising Remarkable Initiative and Excellence in Service), 18 th November 2021
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	Allied Health Translating Research Into Practice Virtual Showcase – Overall Winner: RBWH Allied Health TeleBurns Service (presented by Amber Jones)	Allied Health Translating Research Into Practice Virtual Showcase, 10 th December 2021
Amber Jones , Perry Judd, Dr Hannah Carter, Dr Clare Burns, Dr Angela Chang, Andrea Mc Kittrick , Anita Plaza, Dr Michelle Cottrell	CAHRLI Local Award: RBWH Allied Health TeleBurns Service	Collaborative for Allied Health Research, Learning and Innovation (CAHRLI) Local Awards 2021
Andrea Mc Kittrick	Originality Award 2021	ISBI Book of Innovations 2021
Antonio Padilha Lanari Bo, Sue Laracy , Andrea Mc Kittrick , Mathilde Dessell, Alejandro Melendez-Calderon	Early Stage Bionic Innovation Award 2021	Bionics Challenge 2021
Dr Michelle Cottrell, Dr Clare Burns, Amber Jones , Dr Adrienne Young, Sonia Sam, Mark Cruickshank, Dr Kelsey Pateman	Best paper: Rapid implementation of telehealth in response to COVID-19: an evaluation of the Allied Health experience (presented by Dr Clare Burns)	21 st Successes and Failures in Telehealth Conference, 3-5 November 2021
Emeritus Prof Jenny Strong	Honorary Life Member 2021	Australian Pain Society Conference 2021

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
Amber Jones	OT	Development and evaluation of an Occupational therapy Burns Telehealth service	RBWH Postgraduate Research Scholarship – renewal	\$39,633	2021
Andrea McKittrick	OT	Development of a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers	RBWH Postgraduate Research Scholarship – renewal	\$39,633	2021
Celeste Glasgow, Andrew Mayo (Orthopaedics), Sue Laracy , Freyr Patterson (UQ)	OT	Enhancing Occupational Performance in Distal Radius Fractures.	Jamieson Trauma Institute	\$ 106,718	2020-2024
Erin Crofton	OT	Is sensory sensitivity a factor in non-adherence with compression garments postburn?	RBWH Postgraduate Research Scholarship – renewal	\$39,633	2021
Sarah O'Reilly	OT	The application of multi-directional tape on small size burn scars	RBWH Postgraduate Research Scholarship – renewal	\$39,633	2021

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 2021	Total number of RBWH Patients Recruited
Amber Jones	Dr Clare Burns (SP), Prof Elizabeth Ward (UQ)	Developing a telehealth model for the delivery of Occupational Therapy burn care	41	
Amber Jones , Perry Judd (PT)	Michelle Cottrell (PT), Anita Plaza (PT), Andrea McKittrick , Dr Angela Chang (MNAH), Dr Clare Burns (SP), Dr Hannah Carter (QUT)	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the RE-AIM approach.	144	
Andrea McKittrick	Amber Jones	A longitudinal study of the Canadian Occupational Performance Measure in the burns cohort in an acute tertiary facility	30	
Andrea McKittrick	Amber Jones Jason Brown	A retrospective review of the management and functional outcomes of patients who developed heterotopic ossification in upper limbs post burn injury between 2017 and 2020	17	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Andrea McKittrick	Professor Louise Gustafsson Dr Ameila Di Tommaso & Dr Tenelle Hodson	Development of a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers		
Andrea McKittrick	Amber Jones	Feasibility study with the aim of introducing the Burns Specific Health Scale Brief in to the RBWH Occupational Therapy burn injury outcomes as the primary Quality of Life outcome measure	17	
Andrea McKittrick	Michelle Donovan, Amber Jones , Dr Jason Brown, Dr Elizabeth Vujcich, Sue Laracy and Jenny Strong	Feasibility, Acceptability and Safety of Vacuum Therapy on Burn Scar outcomes	14	
Andrea McKittrick	Amber Jones, Sue Laracy	RBWH Occupational Therapy annual auditing framework for identifying improvements to acute adult burn care	40	
Andrea McKittrick	Amber Jones, Sue Laracy, Claudia Cutler, Laura Kane, Nathalie Collins	To complete an audit of return work rates, post burn injury for patients who were managed at Royal Brisbane and Women's Hospital (RBWH) between November 2019 and May 2020		100 files
Andrea McKittrick	Amber Jones, Georga Giese and The University of Queensland – School of Health and Rehabilitation Sciences – Occupational Therapy	To complete an audit of the cognitive assessments undertaken for patients who have sustained an electrical burn injury who were managed at Royal Brisbane and Women's Hospital (RBWH) between 2014 and 2019		
Andrea McKittrick	Amber Jones & The University of Queensland – School of Health and Rehabilitation Sciences – Occupational Therapy	To determine PREMs and PROMS post burn injuries to the ear from the consumer and clinician perspectives across Australia and New Zealand		
Andrea McKittrick	Amber Jones	To determine PREMs and PROMS post burn injuries to the neck from the consumer and clinician perspectives across Australia and New Zealand		
Cherie Aceto	Kristin Kirwan, Jenny Strong	Distal Radius ORIF clinic Audit in Hand Therapy RBWH	27	
Cherie Aceto	Sue Laracy, Kristin Kirwan	Occupational Therapy Hand Unit Consumer engagement project		
Emily Boulton	Elise Treleaven, Corinne Lewis, Lauren Rae, Melanie Ullner, Sue Laracy	Vascular cognitive impairment audit	32	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Erin Crofton	Jenny Strong , Pamela Meredith (Central Queensland University), Paul Gray (Pain Centre)	Is sensory sensitivity a factor in non-adherence in compression garment wear post burn?	nil	129
Jenny Strong ,	Jenny Strong Shaun Drummond (MNHHS), Jackie Hanson (MNHHS), Jason Pole (UQ), Teyl Engstrom (UQ), Kate Copland (MHHS), Brittany Lipman (MNHHS), Claire Sullivan (MNHHS & UQ)	Chief Executive Vidcasts with staff at a major metropolitan hospital during the COVID-19 pandemic: key messages and impact on level of concern	nil	nil
Kristin Kirwan	John Fraser (TPCH) Chris Anstey (TPCH)	Determining the pressure redistribution properties of selected commercial and custom made products to reduce the incidence of pressure injury development on the head		
Kristin Kirwin ,	Kaitlyn Spalding, Corinne Lewis	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice		
Lauren Rae	Emma Foley, Elizabeth Allen, Kirsten Turner	RBWH Occupational Therapy Cancer Care Outpatient Service Evaluation		
Nicole Andrews	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		
Nicole Andrews	Venerina Johnston (UQ), Genesta Nicolson (Psychology), Michael Handy (Trauma Service), Robyn Charles (Trauma Service)	Evaluating the use of the 'Leading the Way in Your Recovery' resource		
Nicole Andrews	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.		
Nicole Andrews	Marlien Varnfield (CSIRO) David Ireland (CSIRO)	Towards understanding how much is too much for individuals with chronic pain		
Robyn Scheer		The Lymphoedema Arm Measurement Study – Winter vs Summer		
Sarah O'Reilly	Jenny Ziviani (UQ) Jenny Strong Jason Brown (Surgery)	Chart audit: the management of small sized burns scars	455	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Sarah O'Reilly	Jenny Ziviani (UQ) Jenny Strong Jason Brown (Surgery)	The application of multidimensional tape on small size burn scars	6	
Sue Laracy	Kristin Kirwan, Jenny Strong	Acute surgical business case 7 day service review		

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 2021
Dr Michelle Cottrell (PT), Dr Clare Burns (SP), Amber Jones (OT), Dr Adrienne Young (DN), Sonia Sam (PT), Mark Cruickshank (PT), Dr Kelsey Pateman	Amber Jones	Rapid implementation of telehealth in response to COVID-19: an evaluation of the Allied Health experience	232
Mathilde Desselle (PI), Lucy Holland (PI), Dr Roger Altizer, Dr Natalie Bradford, Dr Jason Brown, Dr Ross Brown, et al	Andrea Mc Kittrick	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	16
Dr Antonio Bo, Giovanna Tornatore, Mathilde Desselle, & Aaron Cox	Andrea Mc Kittrick Sue Laracy	Evaluation of Controller-free Hand Tracking with Visual Feedback for Virtual Reality Upper-Limb Rehabilitation	15
Dr Antonio Bo, Andrea Mc Kittrick, Giovanna Tornatore, Mathilde Desselle, Sue Laracy, Brooke Colby, Tara Courtney, Lexi Townsend, & Bianca Zhang	Andrea Mc Kittrick Sue Laracy Brooke Colby	Patient Engagement and Satisfaction in Adjunct Controller-free Hand Tracking Virtual Reality Tasks for Upper-Limb Occupational Therapy Rehabilitation	20
Dr Antonio Bo, Mathilde Desselle, Giovanna Tornatore, & Kate McNamara	Andrea Mc Kittrick Sue Laracy	Patient Engagement in Virtual Reality as an Adjunct to Upper Limb Burns Rehabilitation	5
Dr Elizabeth Vujcich, Dr Jason Brown, Michelle Donovan, Noah Betar	Michelle Donovan	Feasibility, Acceptability and Safety of Early Burn Scar Ablative CO2 Fractional Laser on Burn Scar outcomes: prospective randomised cohort study	4
Dr Jason Brown, Michelle Donovan, Dr Noah Betar, Prof Steven McPhail (QUT) Dr Zephania Tyack (UQ)	Michelle Donovan	Feasibility, acceptability, cost and sustainability of ablative fractional CO2 laser for the treatment of scars in adolescents and adults post-burn: a longitudinal cohort study	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
Elise Gane (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Exploring the perspectives of key stakeholders in return to work after road traffic crash	
Charlotte Brakenridge (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Elise Gane (UQ)	Nicole Andrews	Impact of interventions on work-related outcomes for individuals with musculoskeletal injuries after road traffic crash: a systematic review protocol	
Atiyeh Vaezipour (UQ), Mark Horswill (UQ), Oscar-Oviedo Trespalacios (CARRS-Q), Venerina Johnston (UQ), Patricia Delhomme (IFSTTAR)	Nicole Andrews	Improving the management of driving behaviour in individuals with chronic pain	
Esther Smits (UQ), Venerina Johnston (UQ), Charlotte Brakenridge (UQ), Elise Gane (UQ)	Nicole Andrews	Recovery following a road traffic crash – a Delphi study	
Venerina Johnston (UQ), Melissa Kendall (MSHHS), Donna Valiant (UQ), Ray Quinn (MSHHS), Ben Turner (MSHHS), Hannah Gullo (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Review of Vocational Rehabilitation Services for persons with brain injury within Queensland	
Michelle Cottrell	Perry Judd, Sue Laracy , Cate Carter, Jacqueline Nix, Leonie Nauman, Robyn Scheer , Jennifer Strong , Sonia Sam	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.	
Shanithi Kanagarajah (Geriatrics, RBWH)	Sue Laracy , Kana Appadurai (Geriatrics), Kathleen Richter (Nursing), Gisela Brittain	Hospital Wide clinician led audit of patients requiring sub-acute care in a large tertiary hospital	
Midori Nakagaki (BMT Pharmacist)	Therese Hayes (Nursing) Jenni Leutenegger (Nursing); Caroline Steward (Nursing); Midori Nakagaki (Pharmacy), Rebecca Fichera (Dietetics), Leonie Naumann (Physiotherapy), Justine Brennan (Social Work), Suzette Fox (Social Work Team Leader), Emma Foley , Erin Crofton , Nicole Gavin (Nursing), Glen Kennedy (Haematology), Cameron Curley (Haematology)	Implementation and Evaluation of a Nurse- Allied Health Multidisciplinary Post-Bone Marrow Transplant Clinic	

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

1. **Andrews NE**, Chien CW, Ireland D, Varnfield M. Overactivity assessment in chronic pain: The development and psychometric evaluation of a multifaceted self-report assessment. *Eur J Pain*. 2021;25(1):225-42.
2. **Crofton E**, Meredith P, Gray P, **Strong J**. Sensory processing and detection thresholds of burn-injured patients: A comparison to normative data. *Burns*. 2021
3. Cottrell M, Burns CL, Jones A, Rahmann A, Young A, Sam S, et al. Sustaining allied health telehealth services beyond the rapid response to COVID-19: Learning from patient and staff experiences at a large quaternary hospital. *J Telemed Telecare*. 2021;27(10):615-24
4. Marshall K, Gustafsson L, **McKittrick A**, Fleming J. Falls Occurring After a Spinal Cord Injury: A Scoping Review. *Am J Occup Ther*. 2021;75(3).
5. **Mc Kittrick A**, **Jones A**, Lam H, Biggin E. A feasibility study of the Canadian Occupational Performance Measure (COPM) in the burn cohort in an acute tertiary facility. *Burns*. 2021
6. Branjerdporn G, Meredith P, Wilson T, **Strong J**. Maternal-fetal attachment: associations with maternal sensory processing, adult attachment, distress and perinatal loss, *J Child Fam Studies*. 2021;30:528-541 <https://doi.org/10.1007/s10826-020-01876-1>
7. Branjerdporn G, Meredith P, Wilson T, **Strong J**. Infant sensory patterns: Associations with previous perinatal loss, maternal-foetal attachment and postnatal maternal sensory patterns. *Irish J Occup Ther* 2021 <https://doi.org/10.1108/IJOT-02-2020-0004>
8. **Crofton E**, Meredith P, Gray P, **O'Reilly S**, **Strong J**. Response to letter to the editor: Efficacy of pressure garment on prevention and regression of scars. *Burns: Journal of the International Society for Burn Injuries*. 2021 <https://doi.org/10.1016/j.burns.2021.05.024>
9. Kerley L, Meredith PJ, Harnett P, Sinclair C, **Strong J**. Families of children in pain: Are attachment and sensory processing patterns related to parent functioning? *J Child Fam Studies*. 2021;30:1554-1566
10. Meredith, PJ, **Andrews NE**, Thackeray, J., Bowen, S., Poll, C., & **Strong J**. Can sensory- and attachment-informed approaches modify the perception of pain? An experimental study. *Pain Res Manage*. 2021; <https://doi.org/10.1155/2021/5527261>
11. **O'Reilly S**, **Crofton E**, Brown J, **Strong J**, Ziviani J. (2021) The use of tape for hypertrophic scarring: A comprehensive review, *Scars, Burns & Healing*, 2021. <https://doi.org/10.1177%2F20595131211029206>
12. Patterson F, Doig E, Fleming J, **Strong J**, Birch S, Whitehead M, **Laracy S**, Fitzgerald, C., **Tornatore G**, **McKenzie A**, Searles J, Pigott A. Student-resourced delivery of occupational therapy rehabilitation groups: patient, clinician and student perspectives about the ingredients for success. *Disabil Rehabil*. 2021 <https://doi.org/10.1080/09638288.2021.1922517>
13. **Scarff S**, Fleming J, Nalder EJ, Neale E, Gullo HL. Self-reported strategy generation and implementation in the multiple errands test: A qualitative description. *Neuropsych Rehabil*. 2021 <https://doi.org/10.1080/09602011.2021.1899943>
14. **Mc Kittrick, A.** & Gustafsson, L. (2021) A cross-sectional survey of health professionals across Australia and New Zealand to determine what outcomes are important from a clinical perspective post hand burn injury *Journal of Burn Care and Research* <https://doi.org/10.1093/jbcr/irab086>
15. **Mc Kittrick, A., & Jones, A.** (2021). Massage roller. *Burns Open*. <https://doi.org/10.1016/j.burnso.2021.08.012>
16. **Strong J**, Drummond, S., Hansen J, Pole JD, Engstrom T, Copeland K, Lipman B, & Sullivan, C. Outcomes of rapid digital transformation of large-scale communications during the COVID-19 pandemic, *Aust Health Rev* 2021 <https://doi.org/10.1071/AH21125>

Physiotherapy

In 2021, the Physiotherapy research programme continued to strengthen its research and quality activities across both inpatient and outpatient settings. The department's research focus has been demonstrated through both team-based research initiatives that supported research & quality improvement activities across all 11 clinical streams within the department, and individually led research initiatives. The department's outputs were showcased in our annual RBWH Physiotherapy Department Research Symposium, held virtually over three lunchtime sessions with a total of 25 projects presented to staff from across Queensland.

Overall, in 2021 there were 60 research projects undertaken where a member of the Physiotherapy Department was the Project Lead, and an additional 26 projects undertaken in collaboration with other departments/facilities. This was reflected in over \$500 000 grant funding being awarded, including seven research grants distributed to clinicians of the Physiotherapy Department through the Physiotherapy Research Fund. A total of 13 peer reviewed journal articles were published. Two staff members have embarked on the PhD journey, while a further three continue to progress their post graduate research studies. The RBWH Allied Health TeleBurns project team was successful in obtaining three RBWH QuARRIES awards, while three other staff members received research awards, including Dr Peter Thomas as lead author of Journal of Physiotherapy Reader's Choice award for best publication in 2020.

The Physiotherapy Department continues to develop strong research collaborations with universities with ongoing support for existing Conjoint Research Fellow positions with the University of Queensland (A/Prof Shaun O'Leary) and Griffith University (awaiting appointment). Through research higher degrees, collaborations have also been forged locally (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
Amiss, E, Cottrell M.	Best short oral presentation	AH Research Symposium 2021 6 th October
Cottrell M , Burns C, Jones A, Young A, Rahmann A, Cruickshank M, Sam S, Pateman K.	Best Paper Presentation	21 st Successes and Failures in Telehealth Conference. Online Event; 3-5 th November, 2021.
Jones A, Judd P , Burns C, Carter H, Chang A, Plaza A , McKittrick A, Cottrell M	CAHRLI 2021 Local Award	Collaborative for Allied Health Research, Learning and Innovation (CAHRLI) Local Awards 2021
Jones A, Judd P , Burns C, Carter H, Chang A, Plaza A , McKittrick A, Cottrell M	Allied Health Service Line Award	2021 RBWH QuARRIES
Jones A, Judd P , Burns C, Carter H, Chang A, Plaza A , McKittrick A, Cottrell M	Fostering Innovation Project	2021 RBWH QuARRIES
Jones A, Judd P , Burns C, Carter H, Chang A, Plaza A , McKittrick A, Cottrell M	Overall Superior Quality Achiever	2021 RBWH QuARRIES
Thomas P , Baldwin C, Bissett B, Boden I, Gosselink R, Granger CL, Hodgson C, Jones AY, Kho ME, Moses R, Ntoumenopoulos G, Parry SM, Patman S, van der Lee L.	Journal of Physiotherapy Reader's Choice Award for best publication of 2020	Physiotherapy management for COVID-19 in the acute hospital setting: clinical practice recommendations. J Physiother. 2020 Apr;66(2):73-82. doi: 10.1016/j.jphys.2020.03.011. Epub 2020 Mar 30. PMID: 32312646; PMCID: PMC7165238.

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
Alison Mudge, Julie Adsett , Aparna Arjunan, Penni Burfein, Teresa Green, Niru Mahendran, Julia McLeod, Ian Parker , Giovanna Tornatore, Adrienne Young	IMRU	Stratifying Trajectories After Rehabilitation (STAR) study: the impact of frailty on recovery trajectories following inpatient rehabilitation	RBWH Foundation Project Grant	\$49,350	2021
Anita Plaza, Michelle Cottrell , Jennifer Paratz	Physiotherapy	Evaluating the effectiveness of a Home-based Tele-rehabilitation model for the delivery of physiotherapy exercise programs following burn injury – a randomised controlled trial	2020 RBWH Physiotherapy Department Internal Grant	\$11,994	2020-2021
Anita Plaza, Michelle Cottrell , Jennifer Paratz	Physiotherapy	Evaluating the effectiveness of a Home-based Tele-rehabilitation model for the delivery of physiotherapy exercise programs following burn injury – a randomised controlled trial	2021 APA Physiotherapy Research Foundation – Seeding grant	\$10,000	2021
Brett Parfitt, Peter Thomas	Physiotherapy	Single breath count test (SBCT) for the assessment of pulmonary function in adult chest trauma patients	2020 RBWH Physiotherapy Department Internal Grant	\$10,000	2020-2021
Elizabeth Ryan, Andrea Cawte , Robin Hays, Helen MacLaughlin, Peter Window , Gemma Woodruff, Leonie Naumann	RBWH Physiotherapy Department; Tertiary Obesity Management Service	Improving multidisciplinary management of patients living with obesity: the evaluation of seated bioimpedance measures and relationship to functional performance following targeted intervention.	RBWH Physiotherapy Internal Grants 2021-22	\$9,319.76	FY21-22
Janelle Heine	RBWH ED	Low Back Pain in ED study	MN CAHRLI AH-TRIP	\$10,800	July- Dec 2021
Janelle Heine, Sarah Hacker , Shea Roffey, Gary Mitchell, Jordan Young, Michelle Cottrell, Peter Window	RBWH ETC	Adherence to recommended guidelines for low back pain presentations to the RBWH Emergency and Trauma Centre: barriers, enablers and strategies	RBWH Physiotherapy Internal Grants 2021-22	\$13,306.10	FY21-22
Jenny Paratz, Peter Thomas , Rob Boots Anthony Trojman, Julie Hides, Norm Morris	Physiotherapy Dept/Thoracic Medicine Dept	Morbidity post COVID-19 - investigation and a call to action	RBWH COVID-19 Foundation	\$71,000	2020-2021

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
Joanna Hargreaves	Physiotherapy Department	Exploring the attributes of the contemporary Clinical Educator - future proofing clinical education in Queensland Health Physiotherapy	CAHRLI Pre-RHD Scholarship	\$15,801	2020-2021 (Nov 20 – Jun 21)
Joanna Hargreaves	RBWH Physiotherapy Department	Exploring the attributes of the contemporary Clinical Educator - future proofing clinical education in Queensland Health Physiotherapy	CAHRLI RHD grant	\$5,000	Nov 2021- June 2022
Joanna Hargreaves, Peter Window, Shaun O'Leary, Ashlee Patton	RBWH Physiotherapy Department	Future proofing training and support for RBWH Physiotherapy Clinical Educators Phase 2: development and implementation of a sustainable program	RBWH Physiotherapy Internal Grants 2021-22	\$10,645	FY21-22
Joanna Hargreaves, Peter Window, Simone Leslie	Physiotherapy Department	Training and support processes for Physiotherapy Clinical Educators at the RBWH: an analysis of current practise against defined markers of quality, and development of sustainable implementation program.	MN CAHRLI AH-TRIP	\$10,000	2020-2021
Julie Adsett, John Atherton, David Fielding, Annabel Hickey, Alison Mudge	Physiotherapy, IMRU	Yesterday, Today and Tomorrow. Heart Failure and pulmonary rehab response to Covid-19	RBWH Foundation COVID-19 Grants	\$45,152	2020-2021
Julie Adsett, Rachel Bowe, Rebecca Kelly, Rita Hwang, Menaka Louis, Norm Morris	Physiotherapy	Feasibility, reliability and validity of sit to stand tests in patients with heart failure	DOPSQ	\$6,371	2020-21
Mark Cruickshank	RBWH Physiotherapy Department	Physiotherapy Defined Scope of practice (Prescribing)	RBWH Foundation Postgraduate Research Scholarship	\$39,633	2021-22
Megan Murdoch	Physiotherapy	How far must you walk to improve persistent pain?: Identifying cohort-specific repeatability and clinically important differences in the 6-minute walk test	2020 RBWH Physiotherapy Department Internal Grant	\$10,168	2020-2022
Michael Hockey, Elizabeth Ryan	Physiotherapy	Do we meet the Criteria? Implementing a best evidence protocol for Rehabilitation of Patients Following Anterior Cruciate Ligament Reconstruction	2020 RBWH Physiotherapy Department Internal Grant	\$5,931.00	2020-2021

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
Michelle Cottrell, Maree Raymer, Patrick Swete Kelly, Shaun O'Leary, Peter Window, Thorbjorn Loch-Wilkinson	Physiotherapy Department; Neurosurgery Department	Addressing safety and comprehensiveness concerns for neurological examination via telehealth in patients with low back pain.	RBWH 2021 Research Project Grant	\$49,803	2021
Miriam Dillon, Jenny Setchell, Rebecca Olson, Maxi Miciak, Peter Window	RBWH Physiotherapy Department; UQ SHRS	Enhancing how physiotherapists respond to distress experiences of patients with low back pain	RBWH Physiotherapy Internal Grants 2021-22	\$950	FY21-22
Nanette Paxman, Peter Thomas, Debra McDonald, Makarla Stead	RBWH Physiotherapy Department; Perioperative services	'Breathe, Wiggle and Walk' after surgery: does preadmission physiotherapy influence elective surgery outcomes at the RBWH? A retrospective evaluation via health information databases.	RBWH Physiotherapy Internal Grants 2021-22	\$15,000	FY21-22
Peter Window	Physiotherapy Department, RECOVER, Griffith University	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	RBWH Foundation Project Grant	\$49,693.00	2021
Peter Window, Shaun O'Leary, Maree Raymer, Steven McPhail	N/OPSC & MDS	Choosing non-surgical multidisciplinary management of knee osteoarthritis in tertiary care wisely: prospective validation of a clinical prediction rule	RBWH and RBWH Foundation Grants 2020	\$39,524	2020-21
Prudence Butler	Physiotherapy RBWH	Illness Representations and recovery outcomes after traumatic extremity injuries	Research Training Program Government Scholarship	\$82,788	2019-2021
Sally Yin, Prue McRae, Julie Adsett, Margaret Cahill, Alison Mudge, Tara McCurdie, Elise Treleaven	RBWH Physiotherapy Department; Eat Walk Engage Team (IMS)	Improving mobility documentation and communication to enhance efficiencies	RBWH Physiotherapy Internal Grants 2021-22	\$12,702.55	FY21-22
Shaun O'Leary, Adrienne Young, Diann Eley, Peter Buttrum, Merrilyn Banks, Nicole Marsh, Mark Cruikshank, James Elliott, Nicholas Talley, Scott Bell	Physiotherapy	Sustainable career pathways for clinician-scientists in Australian public health	RBWH and RBWH Foundation Grants 2020	\$39,224	2020-21

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 2021	Total number of RBWH Patients Recruited
Andrew Statham	Christopher Smith, Peter Window	Evaluation of the implementation of Revised Achilles Rupture non-operative protocol	0	0
Anita Plaza	Jennifer Paratz, Prue McRae, Julie Adsett	Activity level of hospitalised patients following burn injury	18	18
Anita Plaza	Julie Adsett , Prue McRae, Alison Mudge, Allison Hill, Andrea McKittrick	Enablers and barriers to participation in physical activity programs while hospitalised after burn injury	0	0
Anita Plaza	Jennifer Paratz, Michelle Cottrell	Telehealth for the delivery of Physiotherapy exercise programs following burn injury	47	
Brett Parfitt	Peter Thomas	Single breath count test (SBCT) for the assessment of pulmonary function in adult chest trauma patients	30	
Cara Masterson	Janene Stephens, Lorelle Hawes, Emily Edwards, Melissa Webber, Jenny Boyce, Jenny Paratz, Michelle Cottrell	Hydrotherapy in the management of persistent pelvic pain: a pilot, randomised controlled trial	0	0
Catherine Anderson	Anita Plaza, Michelle Cottrell, Julie Adsett	Risk Factors and Functional Outcomes of Burn survivors who experience delirium		
Elizabeth Ryan	Andrea Cawte, Leonie Naumann , Robin Hay, Helen MacLaughlin, Peter Window , Gemma Woodruff	Improving multidisciplinary management of patients living with obesity: The evaluation of seated bioimpedance measures and relationship to functional performance following targeted intervention	1	1
Ellie Hawkins	Julie Adsett , Karen Healy, Georgina White	Inpatient education and referral to outpatient Cardiac Rehabilitation: patient recall and perceptions following discharge		
Gemma Allinson	Kareen Stringer, Brita Hughes, Michelle Cottrell	Exploring and re-evaluating Physiotherapy Adherence to Clinical Guidelines for Stroke	Audit 1: 80 Focus group: 7 Audit 2: 95	
Janelle Heine	Sarah Hacker , Shea Roffey, Gary Mitchell, Jordan Young, Michelle Cottrell, Peter Window	Adherence to clinical practice guidelines for low back pain presentations to the RBWH Emergency and Trauma Centre: barriers, enablers and strategies	18 patient surveys, 5 focus groups with 18 participants, 60 staff surveys	18 patient surveys, 5 focus groups with 18 participants, 60 staff surveys
Jennifer Paratz	Michael Muller (Surgery), Anita Plaza , Kellie Stockton (LCCH), Jonny Younger (Cardiology), Orlando Flores (UQ, Medicine)	IMPACT- Improving physical and psychological outcomes in burns: an RCT	0	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Joanna Hargreaves	Peter Window , Simone Leslie (STARS), Ashlee Patton	Training and support processes for Physiotherapy Clinical Educators at the RBWH: an analysis of current practise against defined markers of quality, and development of sustainable implementation program	19	19
Julie Adsett	Rachel Bowe, Rita Hwang, Rebecca Kelly, Menaka Louis, Norm Morris	Feasibility, reliability and validity of the sit to stand test in people with heart failure	49	
Julie Adsett	John Atherton, David Fielding, Annabel Hickey, Alison Mudge	Yesterday, Today and Tomorrow. Heart failure and pulmonary rehab services response to COVID-19	40	
Kyla Stableford	Leonie Naumann, Kirsty Quince, Julie Adsett	Increasing exercise participation in the cancer care wards at Royal Brisbane and Women's Hospital	2021: Phase 1 30 patients; 41 staff	Phase 1 30 patients; 41 staff
Laura Daly	David Fielding, Ben Hay, Helen Seale, Farzad Bashirzadeh, Morgan Windsor, Peter Hopkins	The Role of Chest Physiotherapy in the Management of Patients Post Airway Stent Insertion	52	52
Leonie Naumann	Jennifer Paratz, Michelle Cottrell, Hildegard Reul Hirche, Kirsty Quince , Clare Burns (SP), Tracy Comans (UQ), Anna Finnane (UQ), Trevor Russell (UQ)	A telehealth model for education and monitoring for early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: A pilot cohort study	0	47
Leonie Naumann	Hildegard Ruel-Hirche , Amanda Pigott (UQ), Jodie Nixon	Advanced lymphedema course quality evaluation	0	
Lindsay Hepnar	Naoni Ngenda , Deanne August (GSNU), Janet Sharpe (GSNU), Michelle Cottrell	Exploring the prevalence of positional head deformation (PHDs) in a neonatal unit	53	53
Maree Raymer	Shaun O'Leary, Peter Window , Louise Mitchell, Tracy Comans,	An evaluation of the variation in clinical and service related site characteristics of the state-wide Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multi-disciplinary service (N/OPSC &MDS) and Orthopaedic Screening in Primary Care (OSiP)		
Maree Raymer	Shaun O'Leary, Michelle Cottrell , Natalie Collins (UQ), Liam Maclachlan (UQ), Michelle Smith (UQ), Bill Vicenzino (UQ), Tracy Comans (UQ), Joanne Kemp (LTU), Christian Barton (LTU), Darryl Lee , Stuart McCaskill (QEII), Andrew Hislop (TPCH)	Implementation of GLA:D in Queensland public health services: towards a standardised non-surgical management approach for hip and knee osteoarthritis.	0	70 patients; 14 staff
Mark Cruickshank	Maree Raymer , Deborah Lenaghan (GCUH), Darryn Marks (GCUH), Sonia Sam , Tania Cavanagh (Cairns Hosp), Lisa Nissen (QUT), Mark Nelson (QEII), Dean Blond (GCUH), Rod Ellem (GC HHS), Cherie Hearn (PAH), Nicole Bellet (TPCH)	Physiotherapy Defined Scope of Practice (Prescribing)		
Marnie Macfie	Catherine Sharpe, Anita Plaza	Comparison of patient outcomes following SSG in burns patients managed in the outpatient versus inpatient setting		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Matthew Stewart	Craig Winter (Neurosurgery), Mary-Ann Litchfield, Michelle Cottrell, Maree Raymer	Is it appropriate for Advanced Musculoskeletal Physiotherapists to see Category 1 spinal outpatients in a tertiary neurosurgery outpatient department: a service evaluation		
Megan Murdoch	Peter Window , Andrew Claus, Caroline Morton	How far must you walk to improve persistent pain? Identifying cohort-specific repeatability and clinically important differences in 6MWT	27	27
Megan Shipperley	Julie Adsett, Shama Kulkani, Aimee Moore , Sian McFarland, Prue McRae, Tabitha von Sanden, Anne Szczepanski	Documentation of mobility in the acute hospital setting – crossed wires		
Megan Shipperley	Julie Adsett, Kermeen Kansara, Sally Yin, Laura Daly	Exploration of perceived barriers for referral to pulmonary rehabilitation at the Royal Brisbane and Women's Hospital		
Michael Hockey	Elizabeth Ryan, Mahender Samtani , Jerry Van De Pol, Peter Window	Do we meet the criteria? Implementing a best evidence protocol for rehabilitation of patients following ACL reconstruction	0	
Michelle Cottrell	Shaun O'Leary, Maree Raymer, Patrick Swete Kelly, Peter Window, Simon Whitehart , Liam Maclachlan, Thorbjorn Loch-Wilkinson	Addressing safety and comprehensiveness concerns for neurological examination via telehealth in patients with low back pain.	25	
Michelle Cottrell	Joseph Hartono, Johnny Lee, Trevor Russell, Peter Window	Can physical test of the TMJ be accurately measured in a remote setting?	36	
Michelle Cottrell	Perry Judd , Sue Laracy, Cate Carter, Jacqueline Nix, Leonie Naumann , Robyn Scheer, Jennifer Strong, Sonia Sam	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.	PREM survey: 19 patients	
Michelle Cottrell	Clare Burns, Amber Jones, Adrienne Young, Sonia Sam, Mark Cruickshank , Kelsey Pateman	Rapid implementation of telehealth in response to COVID-19: an evaluation of the RBWH Allied Health experience	109 patients 66 AHP surveys 24 clinician interviews; 13 AO interviews	109 patients 66 AHP surveys 24 clinician interviews; 13 AO interviews
			20 participants for Concept Mapping exercise	20 participants for Concept Mapping exercise
Michelle McGrath	James Wood	A Pedobarograph study		
Michelle McGrath	James Wood , Venerina Johnston (RECOVER UQ), Esther Smits (RECOVER UQ), Peter Window	Gait Classification Following Traumatic Brain Injury		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Michelle McGrath	James Wood	The effect on treatment outcome as the result of a pre-treatment Three-Dimensional Gait Analysis (3DGA) in adults with a complex pathological gait.	98	
Michelle McGrath	James Wood	The use of 3-dimensional gait analysis and its efficacy on the adult population – A Systematic review		
Michelle McGrath	James Wood	Typical progression of gait over the adult life span		
Nicole Puetter	Alice Beningfield, Melissa Elliott, Emma Graving, Vanessa Hancock, Lorelle Hawes, Charlotte Kiemann, Emma Long, Cara Masterson, Meg Moore, Laura Murphy, Janene Stephens, Michelle Cottrell	Retrospective review of pelvic floor dysfunction following a forceps assisted vaginal delivery	2021: Phase 3: 110	
Peter Bryan	Peter Window, Joanna Hargreaves, Catherine Sharpe, Ruth McKendry , Rob Laukens (RBWH O+P)	Evaluation of the Outcomes of Pneumatic Post Amputation Mobility Aids in Early Rehabilitation of Lower Limb Amputees		
Peter Bryan	Peter Bryan, Phillipa Ault, Rob Laukens, Dr Murray Ogg	Outcomes from Partial Foot Amputations at the Royal Brisbane and Women's Hospital – A Retrospective Audit		
Peter Thomas	Michelle Paton	Minimum staffing levels and staff qualifications for physiotherapists working in intensive care units in Australia and New Zealand: a modified Delphi technique.	65	65
Peter Thomas	Michelle Paton	Physiotherapy intensive care workforce survey	86	86
Peter Thomas	Nanette Paxman , Erin Hüttenmeister	Physiotherapy involvement in the RBWH Pre-admission Clinic impact on patient reported anxiety or knowledge gained when preparing surgery	0	70 (31 pre, 39 post)
Peter Thomas	Emily Daniel, Drew Bignell	Physiotherapy management of chest trauma		
Peter Thomas	Jennifer Paratz	Ventilator Hyperinflation in ventilated patients	17	
Peter Window	Shaun O'Leary, Maree Raymer , Steven McPhail, Bill Vicenzino, Thivanka Rodrigo	Choosing non-surgical multidisciplinary management of knee osteoarthritis in tertiary care wisely: prospective validation of a clinical prediction rule	132	
Peter Window	Miriam Dillon , Scott Ruddell, Mary-Rita Lane, Perry Judd	OnTRACC - Optimising Treatment Adherence in Chronic Spinal Conditions		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Peter Window	Michelle McGrath , Daniel Harvie, Esther Smits, Venerina Johnston, Megan Murdoch , Grahame Milne , Trevor Russell	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	30	30
Phillipa Ault	Marnie Macfie , Brooke Mulliss , Catherine Sharpe , Catherine Anderson , Gemma Allinson , Joanne Alexander , Charlotte Jackson , Jacinta Weber , Michelle Cottrell , Anita Plaza	Description of early movement and mobility timeframes and safety of commencing early exercise		
Prudence Butler	Prof Michele Sterling, Dr Melita Giummarra, Dr Shaun O'Leary , Dr Nigel Armfield and Dr Gerrit van de Pol.	Injury perceptions and their association with pain-related disability and mental health symptom trajectories after traumatic extremity injuries: a longitudinal cohort study		
Prudence Butler	Dr Melita Giummarra, A/Prof Shaun O'Leary , Prof Michele Sterling	Psychometric properties of the Brief Illness Perceptions Questionnaire-Injury (BIPQ-Injury) in adults with traumatic orthopaedic injuries		
Raj Singh	Suzanne Kuys (ACU), Jennifer Paratz (RBWH)	Circuit training in GEMS patients an RCT		
Ruth McKendry	Elizabeth Ryan , Mahender Samtani , Glen Volker , Darryl Lee , Michelle Cottrell , Peter Window , Oliver Rowley	Quantifying the 'standard' episode of care delivered by the Royal Brisbane and Women's Hospital Physiotherapy Outpatient Department: a retrospective audit	0	750
Sally Yin	McRae P, Adsett J , Cahill M, Mudge A, McCurdie T, Treleaven E	Improving mobility documentation and communication to enhance efficiencies.	17	17
Sally Yin	Jennifer Paratz Michelle Cottrell	Risk Factors for Readmission to the GEMS ward.	0	364
Scott Russell	Peter Window , Simon Whitehart	Does the use of video-conferencing in physiotherapy consultations of adult patients with haemophilia change clinical recommendations when compared to audi-conferencing?	0	27
Shaun O'Leary	Bill Vicenzino (UQ), Merrill Turpin (UQ)	Exploring the utility of the Feedback Action Planning Form in improving a students use of feedback in the clinical education setting		
Shaun O'Leary	Gwendolyn Jull (UQ), Stephen McPhail (PAH), Glen Volker , Peter Tonks (PAH)	Physical Therapy for Neck Pain – Are we moving in the right direction?		

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 2021	Total number of RBWH Patients Recruited
Carl Lisec (RBWH Burns)	A Perri, A Hill, Amber Jones, Anita Plaza. , Aleksandra Edmundson, Andrea McKittrick, Kate McCrossin	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”?	0	0
Dr Nathalia Costa, Dr Jenny Setchell	A/Prof Rebecca Olson, Dr Rebecca Olson, Karime Mescouto, Miriam Dillon, Prudence Butler	Exploring uncertainty in low back pain care: a qualitative investigation with individuals with low back pain and clinicians	10	
Luke Churchill	Allison Mandrusiak, Oystein Tronstad, Jennifer Paratz, Peter Thomas , Lawrence Caruana, Stacey Verner Wren, Anna-Liisa Sutt	Determining the safety and benefits of exercising tracheostomised mechanically ventilated patients with a Passy-Muir Speaking valve.		
Merrilyn Banks	Anita Plaza , Christian Redd, David Silvera, Judy Bauer, Andrea McKittrick, Elizabeth Vujcich, Claire Dux, Zhang qing, Marlien Varnfield, Dale Trevor	Feasibility of using wearable sensors in patients with burn injury, to measure energy expenditure and other observations, that can directly influence clinical care	0	0
Sarah Kitcher, Elodie Attrazic (Bond Uni students)	Darryn Marks (Bond Uni), Michelle Cottrell , Wayne Hing (Bond Uni)	The health economic outcomes of outpatient musculoskeletal physiotherapy delivered by telehealth: a systematic review	N/A	N/A
Rita Hwang	Julie Adsett , Rachel Bowe, Michelle Bertram, Teresa Fan, Menaka Louis, Norman Morris	Home-based and remote exercise testing in heart disease, during the COVID-19 pandemic and beyond: a systematic review	N/A	N/A
Ann Holland (La Trobe University)	Kermeen Kansara (RBWH) , Joanne Fuller	HomeBase2: An implementation trial to improve access to pulmonary rehabilitation in people with COPD	10	10
Jerry van de Pol (Orthopaedics, RBWH)	Macy Lu, Marita Prior, Peter Jenvey, Michael Hockey	Randomized Controlled trial comparing Short vs Long graft ACL reconstruction.		
Claire Hackett	Marnie McGorm, Kelli Rebetzke, Alison Mahoney, Michelle Whap, Kate McCleary, Jared Bruning, Jai Peach, Tamara Lazzarini, Lauren O'Connor, Thomas P	Physiotherapy at Night: Description of Physiotherapy service provision overnight in QLD		
Chen D (Griffith Uni Honours)	Morris M., Louis M., Adsett J. , Hwang R.	Comparing the responses to the 60 second sit to stand test and the six minute walk tests in heart failure		
Alison Mudge	Mudge A, Young A, Green T, Arjunan A, Mahendran N, Adsett J , Burfein P, Tornatore G, Parker I , McLeod J, Moore J, Trestrail D.	Stratifying Trajectories After Rehabilitation (STAR): prospective study of the impact of frailty on recovery trajectories following inpatient rehabilitation		
Joshua Simmich	Nicole Andrews, Megan Murdoch, Caroline Morton , Andrew Claus, Trevor Russell	Smartphone-based 6-Minute Walk Test in chronic pain: a validation study		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Amber Jones (RBWH OT)	Perry Judd, Michelle Cottrell, Anita Plaza , Andrea McKittrick (RBWH OT), Angela Chang (CAHR), Clare Burns (RBWH SP), Hannah Carter (AusHSI)	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the RE-AIM approach	0	201
Carol Hodgson (ANZICS Research Centre, Monash University)	Peter Thomas , multiple Australian sites / collaborators	The COVID-Recovery Study		
Jennifer Paratz	Peter Thomas , Rob Boots, Anthony Trojman, Julie Hides, Norm Morris	Morbidity post COVID-19 - investigation and a call to action		
Karime Mescouto	Rebecca Olson, Nathalia Costa, K Evans, Miriam Dillon , N Jensen, K Walsh, M Weier, K Lonergan, Paul Hodges, Jenny Setchell	Engaging on a slightly more human level: a participatory qualitative study to explore the care of individuals with low back pain in a multidisciplinary pain clinic		
Dr Panos Barlas (JTI)	Schuetz.M, Jacobson.E, Van de Pol.J, Hanly.R, Smith.C, Mcgrath.M , Manzanero.S	Validity of smart shoe inserts to measure weight-bearing in Aircast® boots.	10	10
Alan Wan (UQ)	Shaun O'Leary	Movement evoked pain sensitivity in chronic spinal pain	0	100
Peter Buttrum	Shaun O'Leary, Adrienne Young , Diann Eley, Merrilyn Banks, Nicole Marsh, Mark Cruikshank , James Elliott, Nicholas Talley, Scott Bell	Sustainable career pathways for clinician-scientists in Australian public health		
Elise Gane (PAH)	Shaun O'Leary , Caroline Speksnijder	Neck rehabilitation after neck dissection for head and neck cancer: a pilot intervention study		
Junmin Tan (UQ Honours)	Shaun O'Leary, Julie Adsett , Prue McRae, Simone Leslie	Effectiveness of exercise interventions supported by telehealth for recently hospitalised adult medical patients: a systematic review	N/A	N/A
Thivanka Rodrigo (UQ Honours)	Shaun O'Leary, Peter Window	Establishing the reliability of a weight-bearing frontal knee alignment measure in standing using a goniometer in patients with knee osteoarthritis		
Joshua Ireland (UQ Honours)	Shaun O'Leary, Peter Window	The association between exercise and neck pain prevalence: a systematic review of observational studies	N/A	N/A
Carolin Bontrup	Venerina Johnston, Shaun O'Leary , Remko Soer	Ageability in the ageing worker		

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

1. Raymer M, Mitchell L, Window P, Cottrell M, Comans T, O'Leary S. Disparities in Service and Clinical Outcomes in State-Wide Advanced Practice Physiotherapist-Led Services. *Healthcare (Basel)*. 2021;9(3).
2. Mudge AM, Pelecanos A, Adsett JA. Frailty implications for exercise participation and outcomes in patients with heart failure. *J Am Geriatr Soc*. 2021;69(9):2476-85.
3. Marshall AP, Austin DE, Chamberlain D, Chapple LS, Cree M, Fetterplace K, et al. A critical care pandemic staffing framework in Australia. *Aust Crit Care*. 2021;34(2):123-31.
4. Saad T, Davies L, Smith M. Implementation of an injury prevention programme in community netball: An observational study. *J Sports Sci*. 2021;39(19):2180-8.
5. Cottrell M, Burns CL, Jones A, Rahmann A, Young A, Sam S, et al. Sustaining allied health telehealth services beyond the rapid response to COVID-19: Learning from patient and staff experiences at a large quaternary hospital. *J Telemed Telecare*. 2021;27(10):615-24.
6. Butler P, Nguyen T, Giummarra MJ, O'Leary S, Sterling M. Injury perceptions and their association with recovery outcomes in adults with traumatic orthopaedic injuries: a scoping review. *Disabil Rehabil*. 2021:1-16.
7. Galea O, O'Leary S, Treleaven J. Cervical musculoskeletal and sensorimotor impairments 4 weeks to 6 months following mild traumatic brain injury: An observational cohort study. *Musculoskelet Sci Pract*. 2021;57:102490.
8. Plaza A, Adsett J, Byrnes A, McRae P. Physical activity levels in hospitalised adults with burn injuries. *J Burn Care Res*. 2021.
9. Ireland J, Window P, O'Leary SP. The impact of exercise intended for fitness or sport on the prevalence of non-specific neck pain in adults: A systematic review. *Musculoskeletal Care*. 2021.
10. Lowe JR, Wallace SJ, Sam S, Young A. Minimum data and core outcomes for subacute rehabilitation: A scoping review. *Clin Rehabil*. 2021:2692155211060468.
11. Heineger K, Hocking K, Paxman N, Llewellyn S, Pelecanos A, Coyer F. 2021 Identifying contributing factors to tracheostomy stoma breakdown: a retrospective audit in a single adult intensive care unit. *Wound Practice and Research*. 29(1):10-17. doi:10.33235/wpr.29.1.10-17
12. Leslie S, Tan J, McRae PJ, O'Leary SP, Adsett JA, The effectiveness of exercise interventions supported by telerehabilitation for recently hospitalized adult medical patients: A systematic review. *Int J Telerehab*. 2021. <https://doi.org/10.5195/ijt.2021.6356>

Keynote or Plenary Lectures given in 2021

Date	Title
09/2021	Thomas P. "COVID-19 guidelines for Physiotherapists – What's new?". Bangladesh Health Professions Institute / Bangladesh Physiotherapy Association World Physiotherapy Day Virtual International Conference 2021: Inclusion of Physiotherapy professionals in COVID-19 acute care and long-covid rehabilitation, September 8-9, 2021

Psychology

The key research highlights for the Psychology department include the success of the Metro North grant with RBWH staff Scott Ruddell and Dr Angela White. Recruitment continues for the neuropsychology studies. The Psychology Department hosted an inaugural research symposium which aimed to generate excitement and team-based research planning and dissemination of current in-house research.

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
Scott Ruddell , Bonnie Clough (GU), Angela White , Tamara Ownsworth (GU), Leanne Casey (GU)	Psychology	Improving Outcomes of Videoconference Psychotherapy for Patients with Chronic Spinal Pain: The Impact of Illness Beliefs	Metro North Collaborative Research Grant	\$48,820	2020-2022
Clare Pekin	Psychology	Improving Outcomes for People with Obesity and Type II Diabetes Considering Bariatric Surgery	CAHRLI	\$5000	2021-2022

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 2021	Total number of RBWH Patients Recruited
Ada Lo	Kate Thompson, Elisabeth Hamernik, Angela White.	Evaluation of neuropsychology service for acute stroke patients - clot retrieval	3	
Ada Lo	Harriet Bodimeade , Stephanie Jessup (SW) Emmaline Falconer	Validating anxiety and mood screening tools in stroke patients	13	44
Genesta Nicolson	Angela White , Angela Chang (CAHR)	A stitch in time: Evaluation of the impact and efficacy of an MDT psychoeducation workshop for non-urgent referrals on the PTCMPC waitlist	N/A - Audit	
Associate Professor Fiona Barlow, Miss Christienne Javier; Dr Mala McHale, Dr Sally Price, Dr Rachel Costa, Dr Angela White		A Follow-Up Study of Health and Wellbeing of Health Consumers Who Have Accessed Gender Services at the RBWH	0	
Dr Mala McHale and Clare Pekin	Dr Esben Strodl	Service Evaluation of Psychology Outcomes in People with Type 2 Diabetes Seeking Bariatric Surgery	N/A - Audit	
Scott Ruddell	Bonnie Clough (GU), Angela White , Tamara Ownsworth, Leanne Casey (GU), Mala McHale	Improving Outcomes of Videoconference Psychotherapy for Patients with Chronic Spinal Pain: The Impact of Illness Beliefs	18	
Rosemary Argall	Dr Gail Robinson and Amelia Ceclis	Cognition in Motor neurone Disease		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Dr Kate Thompson	Dr Ada Lo, Hannah McGlashan , Professor David Reutens, Ass. Prof Alan Pegna, Prof Catherine Haslam, & Prof Tamara Ownsworth	Self-report measures of everyday memory in people with epilepsy: A systematic review of measurement properties	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 2021
David Kavanaagh, Heidi Sturk, Samantha Wild (QUT)	Angela White	Australian Health Professional Referral Rates to Digital Mental Health services and programs: A cross sectional study	
Kate McCarthy (RBWH), Majed Almarzooqi (UQ, School of Med), Anna Hickling (UQ, School of Psychology)	Angela White	Defining patients concerns in Outpatient Parenteral Antibiotic Therapy (OPAT) settings	
Heshani Mediwake (RBWH), Glen Kennedy (RBWH), Siok Tey (RBWH),	Ada Lo, Harriet Bodimeade	NCA in CARTs: Neurocognitive assessment in patients undergoing chimeric antigen receptor therapy	10
Jenna Scambler (UQ), Kate Thompson (RBWH) , Alan Pegna (UQ)	Kate Thompson	The effects of temporal lobectomy on electrical brain potential in response to emotional stimuli	0
Maryam Ziaei (UQ), David Reutens (UQ and RBWH Neurology)	Kate Thompson	Social-cognitive functioning among patients with epilepsy	0
Peter Window, Miriam Dillon, Perry Judd (RBWH Physiotherapy), Mary-Rita Lane (RBWH OT)	Scott Ruddell, Anna Salzgeber	OnTRACC – Optimising Treatment Adherence in Chronic spinal Conditions	
Tim Donovan (GSNU), Barbara Lingwood (UQCCR), Yvonne Eiby (UQCCR), Gill Lack (GSNU), Ian Wright (Uni Woollongong), Paul Colditz (UQCCR), Katie Foxcroft (Perinatal Research Centre)	Stephanie Lawton	Preterm Early Adiposity and Childhood Outcome (PEACH Study)	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021
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),	Ada Lo, Kate Thompson	Predicting Surgery-induced Neurological Deficits using CONSULT. A study to measure the ability of CONSULT tractography software to predict surgery-induced neurological deficits.	1
Ashleigh Scott (RBWH), Glen Kennedy (RBWH), Katie McMahon (RBWH), Olivier Salvado (CSIRO),	Ada Lo, Kate Thompson	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).	4

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

- Ioannides ZA, Csurhes PA, Douglas NL, Mackenroth G, Swayne A, **Thompson KM**, et al. Sustained Clinical Improvement in a Subset of Patients With Progressive Multiple Sclerosis Treated With Epstein-Barr Virus-Specific T Cell Therapy. *Front Neurol.* 2021;12:652811.

Social Work

Highlights of 2021 include:

- ❖ Completion of a study with Griffith University and Women's and Newborn Services to investigate men's experiences of attending RBWH Maternity Services. The findings, based on interviews with 48 men, will be used to promote consumer-informed strategies to create a more inclusive environment for fathers attending Maternity Services.
- ❖ An ongoing collaboration with the University of Queensland on an Australian Research Council Discovery project to develop more effective social work interventions to address elder abuse. Phase one of the study, which included hearing from older people who have been abused, interviews with hospital social workers, and the formation of an international panel of experts, has now been completed.
- ❖ The awarding of a CAHRLI Innovation Challenge grant to develop educational resources to make hospitals more inclusive of LGBTQ+ patients.

Collaborating with nursing on a quality activity to survey the psychosocial support needs of clinical staff who work with women accessing a termination of pregnancy at RBWH. The survey was well received, and the results will inform the development of tailored support and an orientation program for staff on termination of pregnancy.

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
Jill Wilson, Maree Petersen, Cheryl Tilse, Gai Harrison	Dept of Nursing, Midwifery & Social Work, UQ Dept of Social Work	A theoretical framework for elder abuse to guide social work practice	Australian Research Council (Discovery)	\$293,548	2021-2023
Catherine Moss, Amanda Love, Gai Harrison	Dept of Social Work, TPCH; Dept of Speech Pathology, TPCH; Dept of Social Work, RBWH	From conflict to collaboration: A simulated interprofessional learning lab for new graduates	CAHRLI Innovation Challenge 2021	\$6,705	Nov 2020 – June 2021
Rebecca Cooley Jennifer Jewell	Dept of Social Work, RBWH	LGBTQ+ Inclusive Practice: Making Qld Health More Inclusive	CAHRLI Innovation Challenge 2022	\$7,000	Nov 2021 – June 2022

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 2021	Total number of RBWH Patients Recruited
Kristy Fitzgerald, Gai Harrison	Leonie Callaway (Women's & Newborn Services), Patrick O'Leary (Griffith University), Alka Kathari (Redcliffe Hospital)	Promoting men-inclusive maternity services: Exploring the expectations, experiences and needs of men as fathers	48 (partners of patients)	48
James Ready	Alex Markwell (ETC)	Staff Debriefing in the Emergency and Trauma Centre: Using Debriefing as a tool to promote wellbeing, reflection and learning		
Amanda Masters	Anne De Ruiter, Gai Harrison, Sandy Jamieson (Nursing)	Developing a model of care to address elder abuse at RBWH		19

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Kristy Fitzgerald, Angela O'Malia	Nicole Payne (Women's & Newborn Services)	Staff psychosocial support needs when working with women accessing a termination of pregnancy at the Royal Brisbane & Women's Hospital	72	72
Madeleine Brough, Sarah Napier		Developing NDIS training for allied health teams at RBWH	10	10

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 2021
Dr Neil Widdicombe (RBWH ICU)	Professor Kevin Laupland QUT; Professor Fiona Coyer QUT; Dr Shane Townsend Director Intensive Care Services, RBWH; Ms Angela O'Malia Director of Social Work Services RBWH; Ms Tina Coco, Manager Donate Life Qld	Evaluation of the impact and feasibility of an intensive care unit end of life care and bereavement follow-up using a collaborative multidisciplinary service model	
Dr Ada Lo (Psychology)	Dr Annette Broome (Psychology), Dr Tricia Rolls (Psychology), Dr Petrea Cornwell (Psychology), Dr Lara Campbell (Psychology), Christopher Hayter (Psychology), Dr Harriet Bodimeade (Psychology), Stephanie Jessup	Validating anxiety and mood screening tools in stroke patients	14
Mathilde Desselle (QUT), Lucy Holland (QUT)	Dr Roger Altizer (QUT), Dr Natalie Bradford (QUT), Dr Jason Brown (RBWH), Dr Ross Brown (QUT), Prof Raymond Chan (QUT/PAH), Christine Cotter (SW RBWH) , A/Prof Leila Cuttle (QUT), A/Prof Paul Gray (RBWH), Rosyln Henney (QYCS), Prof Glen Kennedy (RBWH), Kaylah Moore (consumer), Stephen Payser (RBWH), Andrea McKittrick (RBWH), Dr Selen Turkay (QUT), Gavin Winter (QUT), Prof Patsy Yates (QUT)	PARM-VR: 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	

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

1. **Harrison G, De Ruiter A, Masters A**, Jamieson S, Wilson J. Nurses' perspectives on responding to elder abuse in a hospital setting. *Collegian*. Available online 10 April 2021 <https://doi.org/10.1016/j.colegn.2021.03.004>

Speech Pathology and Audiology

The Speech Pathology and Audiology Department has continued to grow its clinical research program across 2021.

This year, **Speech Pathology** research has focused on patient-centred clinical care and service models that enhance the delivery of swallowing and communication intervention for inpatient and outpatient services across cancer care, internal medicine, surgery and perioperative services, stroke and neurology, and gender services.

During 2021 the Speech Pathology team was awarded over \$247,000 in grant funding which supported 13 department-led research projects and 17 projects in collaboration with other research teams. Within RBWH this has included collaborations across allied health professions, medicine, and nursing. A key outcome of this year's collaborations was the RBWH Allied Health TeleBurns project team winning the three QuARRIES awards and the RBWH Allied Health Telehealth Evaluation team winning the best scientific paper at the international conference, Success and Failures in Telehealth 2021. We have continued to build our external collaborations and research partnerships with Speech Pathology Services across Metro North HHS, Centre for Functioning and Health Research Metro South Health, RECOVER Injury Research Centre, (UQ), Queensland Aphasia Research Centre (QARC, UQ), School of Health and Rehabilitation Sciences, UQ, the Australian Centre of Health Services Innovation (AusHSI, QUT), and Centre for Applied Economics (Griffith University).

In the last 12 months 10 peer reviewed publications were published and our research has been disseminated widely through 15 national and international conference presentations. We have an ongoing commitment to developing research capacity and capability. Three staff members continue to progress in their research higher degrees supported by RBWH Post Graduate Research Scholarships and an additional 5 PhD students are supervised by speech pathology research staff.

In 2021 the highlight for research in the **Audiology** department was the continued success of PhD candidate Alice Pender. Alice was awarded the Queensland Advancing Clinical Research Fellowship, which is an extremely competitive research grant and will support Alice over the next 2 years to continue her research on improving pathways of care for detection and management for Aboriginal and Torres Strait Islander adults with hearing loss. Alice is working collaboratively with The Southern Queensland Centre of Excellence in Aboriginal and Torres Strait Islander Primary Health Care. Alice was also awarded an addition small grant through Center of Research Excellent in Ear and Hearing Health to assist with conducting community and staff interviews to gain an understanding of views, attitudes, and experiences of hearing loss in Aboriginal and Torres Strait Islander people. The research has a very strong consumer engagement focus to ensure that the research outcomes will benefit the Aboriginal and Torres Strait Islander communities in a meaningful and sustainable way.

The audiology department has a clear vision and commitment to deliver innovative clinical services and to build research programs which translate into benefits for our consumers. We have continued to evaluate and improve our models of care with particular focus given the expansion and improvement of our cochlear implant telehealth services. This year we have also prioritised the establishment of strong interdisciplinary relationships and education to improve the experience of inpatients with hearing loss and support the Royal Brisbane & Women's Hospital staff caring for them.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Andrea McKittrick, Anita Plaza, Michelle Cottrell	Overall Winner	2021 AH-TRIP Showcase
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Andrea McKittrick, Anita Plaza, Michelle Cottrell	Best oral presentation	2021 Allied Health Research Symposium
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Anita Plaza, Andrea McKittrick, Michelle Cottrell	CAHRLI 2021 Local Award	Collaborative for Allied Health Research, Learning and Innovation (CAHRLI) Local Awards 2021

Recipient (RBWH staff in bold)	Award	Event
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Andrea McKittrick, Anita Plaza, Michelle Cottrell	Allied Health Service Line Award	QuARRIES
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Andrea McKittrick, Anita Plaza, Michelle Cottrell	Fostering Innovation Project Award	QuARRIES
Amber Jones, Perry Judd, Hannah Carter, Clare Burns , Angela Chang, Andrea McKittrick, Anita Plaza, Michelle Cottrell	Overall Superior Quality Achiever Award	QuARRIES
Emma Thomas, Liz Ward, Renee Cook, Julie-Anne Ross, Carina Hartley, Clare Webb, Michael Harris, Liam Caffrey, Clare Burns and the MSH Telehealth Collaborative	Best scientific poster presentation	2021 Success & Failures in Telehealth Conference
Michelle Cottrell, Clare Burns , Amber Jones, Adrienne Young, Ann Rahmann, Sonia Sam, Mark Cruickshank, Kelsey Pateman	Best scientific paper presentation	2021 Success & Failures in Telehealth Conference

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
Alice Pender	Audiology	Hearing and Hearing loss in Aboriginal and Torres Strait Islander adults – knowledge, perspectives, and attitudes.	CRE-IHEAR	\$5000	Feb-Apr 2021
Alice Pender	Audiology	Improving management of hearing loss in an urban population of Aboriginal and Torres Strait Islander adults	Queensland Advancing Clinical Research Fellowship	\$100,000	Oct 2021 – Oct 2023
Alice Pender	Audiology	Rates and effects of hearing loss and middle ear dysfunction in an adult Indigenous Australian population	RBWH Foundation Postgraduate Scholarship	\$38,871.49	2021
Clare Burns	Speech Pathology	Enhancing speech pathology dysphagia services through telepractice	MNHHS Clinician Fellowship	\$175,000	2019-2022

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
Clare Burns , Atiyeh Vaezipour, Natalie Hickey , Penni Burfein , Anna Farrell, Deborah Theodoros, David Copland	Speech Pathology, RECOVER Injury Research Centre (UQ), UQ Centre for Clinical Research	Co-design, development and evaluation of an immersive virtual reality tool for individuals with communication disorders	RBWH Foundation	\$39,797	2020-2021
Clare Burns , Liz Ward, Gaenor Dixon, Michelle Slee, Lynell Bassett , Bernadette Dutton, Nicky Graham, Laurelie Wishart, Annie Hill, Madeline Raatz	Speech Pathology, Centre for Functioning and Health Research, MSH	Development and evaluation of a Speech Pathology Telepractice Portal to facilitate the implementation and expansion of telepractice services across Queensland	Speech Pathology Australia – 2019 Queensland Registration Board Legacy Fund Special Purpose Grant	\$25,000	2020-2021
Ellie Minchell	Speech Pathology	Dysphagia outcomes post clot retrieval and thrombolysis	RBWH Foundation Postgraduate Scholarship	\$38,082.52	2021
Marissa Ryan, Christine Carrington, Liz Ward, Clare Burns , Centaine Snoswell, Mhairi Mackinnon	Speech Pathology, Pharmacy, PAH, Centre for Functioning & Health Research, MSH	Development, implementation and evaluation of a Cancer Pharmacy Service for adult patients at the Princess Alexandra Hospital	Princess Alexandra Hospital Foundation Grant	\$25,000	2020-2021
Penni Burfein	Speech Pathology	Return to work for stroke survivors with aphasia	RBWH Foundation Postgraduate Scholarship	\$38,082.52	2021
Sarah Wilson	Speech Pathology	Examination of dysphagia following laryngectomy	RBWH Foundation Postgraduate Scholarship	\$38,082.52	2021

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 2021	Total number of RBWH Patients Recruited
Alice Pender	Deborah Askew (UQ), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS)	Hearing and ear-health in Aboriginal and Torres Strait Islander people aged 15 years and over: A scoping review	N/A	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 2021	Total number of RBWH Patients Recruited
Alice Pender	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, perspectives, and attitudes	22	22
Alice Pender	Carla Rose (Audiology) , Angela Chang (MNHHS AH), Tracy Comans (UQ / CAHR)	Patient outcomes following cochlear implant surgery	N/A	N/A
Alice Pender	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	N/A
Carla Rose	Lynell Bassett (Speech Pathology) , Dr Sharon Kelly (ENT)	Evaluation of the First Contact Audiology Clinics	N/A	N/A
Clare Burns	Atiyeh Vaezipour (UQ), Anna Farrell, Natalie Hickey (Speech Pathology) ; Penni Burfein (Speech Pathology) ; Deborah Theodoros (UQ); Trevor Russell (UQ); David Copland (UQ), Arindam Dey (UQ); Kate Hacking (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.	30	30
Clare Burns	Liz Ward (CFAHR; UQ), Annie Hill (UQ), Ben Keir (Medical Physics), Sharon Kelly (ENT), Linda Porter (Medical Imaging), Nick Phillips (Medical Imaging)	Conducting instrumental assessments of adult dysphagia via telehealth	N/A	20

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Clare Burns	Liz Ward (CFAHR; UQ), Robyn Saxon (SCHHS), Brooke Cowie (MNHHS), Amy Gray (WBHHS), Lisa Baker (WBHHS), Natalie Winter (Cairns and Hinterland HHS), Sarah Bignell (SWHHS)	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia	N/A	71
Clare Burns	Liz Ward (CFAHR/UQ)	Evaluation of a Speech Pathology Telepractice Portal to facilitate the implementation and expansion of telepractice services across Queensland	N/A	N/A
Clare Burns	Annie Hill (UQ), Liz Ward (CFAHR; UQ), Lynell Bassett ; 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	23
Clare Burns	Liz Ward (UQ), Claire Blake (Nutrition & Dietetics), Liz Kenny (Cancer Care), Rachael Villiers (CQHHS), Mia Hemingbrough (CQHHS), Tracy Comans (UQ), Kerrie-Anne Frakes (CQHHS), Phil Greenup (QH)	Implementation of a telepractice service providing specialist swallowing, nutrition, and communication intervention for patients with head and neck cancer	N/A	69
Clare Burns	Annie Hill (UQ), Liz Ward (CFAHR; UQ), Sanjeewa Kularatna (AusHSI QUT)	Pilot trial of an integrated speech pathology telepractice service for dysphagia rehabilitation.	9	13
Clare Burns	Liz Ward (CFAHR; UQ), Jasmine Foley (UQ), Rebecca Nund (UQ), Laurelie Wall (Metro South HHS), Dr Maurice Stevens (ENT), Dr Lizbeth Kenny (Cancer Care)	Understanding the Regional and Remote Head and Neck Cancer (HNC) Patient Services Journey	N/A	91
Jenny Blotteaux	Clare Burns (SP)	Adult Gender Speech Pathology Service: Comparing outcomes of in-person and telepractice service models	22	22
Sarah Wilson	Clare Burns (Speech Pathology) , Bena Brown (PAH, UQ)	Development of clinical and videofluoroscopic assessment tools for the evaluation of dysphagia following laryngectomy: An e-Delphi process	N/A	2
Shana Taubert	Clare Burns (Speech Pathology) , Liz Ward (CFAHR; UQ), Lynell Bassett (Speech Pathology)	Videofluoroscopic Swallow Study referral processes at RBWH	N/A	58

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Shana Taubert & Clare Burns	Liz Ward (CFAHR; UQ), Kellie McCarthy (PAH)	Evaluating an e-Learning program for training in Adult MBS assessment	N/A	10

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 2021	Total number of RBWH Patients Recruited
Salma Charania (UQ)	Anna Rumbach (UQ), Petrea Cornwell (Griffith), Rebecca Nund (UQ), Anna Farrell (MSHHS), Shana Taubert (Speech Pathology) , Robert Henderson (Neurology), Nicole Hutchinson (Neurology)	A year in the life: The impact of changes in communication for a person with MND and their family and friends	N/A	N/A
Salma Charania (UQ)	Anna Rumbach (UQ), Rebecca Nund (UQ), Nerina Scarinci (UQ), Shana Taubert (Speech Pathology) , Robert Henderson (Neurology), Pamela McCombe (Neurology), Stacey Verner-Wren (TPCH), Nicole Hutchinson, Anna Farrell (MSHHS)	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations	N/A	N/A
Marissa Ryan (PAH)	Christine Carrington (PAH), Liz Ward CFAHR/UQ), Centaine Snoswell (UQ), Clare Burns (Speech Pathology) Mhairi Mackinnon (PAH)	Development, implementation and evaluation of a Cancer Pharmacy Service for adult patients at the Princess Alexandra Hospital	N/A	N/A
Amber Jones (Occupational Therapy)	Clare Burns (Speech Pathology) Liz Ward (UQ)	Developing a telehealth model for the delivery of occupational therapy burn care	41	41
Michelle Cottrell (Physiotherapy)	Clare Burns (Speech Pathology) , 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	232	232
Liz Ward (CFAHR/UQ)	Clare Burns (Speech Pathology) , Kellie Hancock (PAH), Jenny Boxall (PAH), Rachelle 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	18	18
Liz Ward (CFAHR/UQ)	Clare Burns (Speech Pathology) , 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	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 2021	Total number of RBWH Patients Recruited
Laurie Wennerholm (White Plains Hospital New York, UQ)	Clare Burns (Speech Pathology) , Liz Ward (CFAHR/UQ)	Laryngectomy care pathways: Examining patient and clinician perspectives	N/A	N/A
Nadia de Silva (Speech Pathology STARS)	David Copland (UQ), Emma Finch (UQ), Lindy Jeffree (Neurosurgery), Katie McMahon (UQCCR), Clare Burns (Speech Pathology)	Implementation of innovative intra-operative language testing battery for patients with brain tumours at RBWH	N/A	N/A
Annie Hill (UQ),	Genevieve Vuong (UQ), Jade Dignam (UQ), Clare Burns (Speech Pathology) , Penni Burfein (Speech Pathology) , Dr Kana Appadurai, David Copland (UQ)	The usability, feasibility, acceptability and efficacy of providing a Comprehensive, High-dose Aphasia Treatment (CHAT) program viaTelerehabilitation (TeleCHAT)	N/A	N/A
Liz Ward (CFAHR/UQ)	Jasmine Jones (UQ), Clare Burns (Speech Pathology) 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	N/A
Leonie Naumann (Physiotherapy)	Jennifer Paratz (Physiotherapy), Hildegard Reul-Hirche, Physiotherapy, Michelle Cottrell (Physiotherapy) Clare Burns (Speech Pathology) 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	47
Min Mei POON (Singapore, UQ)	Liz Ward (CFAHR/UQ), Clare Burns (Speech Pathology)	Delivery of adult dysphagia services across the healthcare continuum in Singapore: Perspectives of healthcare service providers and consumers	N/A	N/A
Kellie Hill (Pharmacy)	Meghan Curren (Speech Pathology) , Rebecca Cremer (Speech Pathology) , Karen Whitfield (Pharmacy), Clare Burns (Speech Pathology)	To investigate medication safety, administration techniques, and communication between healthcare professionals for patients with dysphagia	79	79
Amber Jones (Occupational Therapy)	Perry Judd (Physiotherapy), Michelle Cottrell (Physiotherapy), Clare Burns (Speech Pathology) 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	0	201

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
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), Clare Burns (RBWH), Penni Burfein (RBWH/STARS) , 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)	7	7
Sarah Wallace (UQ), Lisa Anemaat (UQ)	Victoria Palmer (Uni of Melb), David Copland (UQ), Clare Burns (Speech Pathology) , 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)	2	2

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 2021	Total number of RBWH Patients Recruited
Alice Pender (Audiology)	Deborah Askew (UQ, RBWH), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS)	Self-reported hearing loss and follow-up care of Aboriginal and Torres Strait Islander adults in an urban setting	N/A	N/A
Alice Pender (Audiology)	Deborah Askew (UQ, RBWH), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Geoff Spurling (UQ, MSHHS), Claudette "Sissy" Tyson (MSHHS)	Hearing and ear-health in Aboriginal and Torres Strait Islander people aged 15 years and over: A scoping review	N/A	N/A
Alice Pender (Audiology)	Deborah Askew (UQ, RBWH), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute) Claudette Tyson (MSSHHS), Geoff Spurling (UQ, MSHHS), Claudette "Sissy" Tyson (MSHHS)	Hearing and Hearing loss in Aboriginal and Torres Strait Islander adults – knowledge, perspectives, and attitudes.	22	22

Research Publications

Publications in 2021

Journal Articles (RBWH staff in bold)

- Burns CL, Taubert ST**, Ward EC, McCarthy KA, Graham N. Speech-language therapists' perceptions of an eLearning program to support training in videofluoroscopic swallow studies. *Int J Lang Commun Disord*. 2021;56(2):257-70.
- Taubert, ST Burns, CL**, Ward, EC, McCarthy, K A, & Graham N. Speech-language pathology managers' perceptions of a videofluoroscopic swallow study eLearning programme to support training and service delivery. *Int J Sp Lang Path*. 2021;23(1): 103–112.
- Cottrell M, **Burns CL**, Jones A, Rahmann A, Young A, Sam S, et al. Sustaining allied health telehealth services beyond the rapid response to COVID-19: Learning from patient and staff experiences at a large quaternary hospital. *J Telemed Telecare*. 2021;27(10):615-24.
- Foley J, Ward EC, **Burns CL**, Nund RL, Wishart L, Graham N, et al. Speech pathology service enhancement for people with head and neck cancer living in rural areas: Using a concept mapping approach to inform service change. *Head Neck*. 2021;43(11):3504-21.
- Raatz M, Ward EC, Marshall J, **Burns CL**. Evaluating the Use of Telepractice to Deliver Pediatric Feeding Assessments. *Am J Speech Lang Pathol*. 2021;30(4):1686-99.
- Raatz M, Ward EC, Marshall J, **Burns CL**. Evaluating the Use of Telepractice for Bottle-Feeding Assessments. *Children (Basel)*. 2021;8(11).
- Raatz M, Ward EC, Marshall J, **Burns CL**, Afoakwah C, Byrnes J. A time and cost analysis of speech pathology paediatric feeding services delivered in-person versus via telepractice. *J Telemed Telecare*. 2021;1357633X211012883
- Ryan M, Carrington C, Ward EC, **Burns CL**, Cuff K, Mackinnon M, et al. Changing from telephone to videoconference for pre-treatment pharmacist consults in cancer services: Impacts to funding and time efficiency. *J Telemed Telecare*. 2021;27(10):680-4.
- Ward EC, **Burns CL**, Gray A, Baker L, Cowie B, Winter N, et al. Establishing Clinical Swallowing Assessment Services via Telepractice: A Multisite Implementation Evaluation. *Am J Speech Lang Pathol*. 2021;30(6):2456-64.

Journal Articles (RBWH staff in bold)

10. **Minchell E**, Rumbach A, Finch E. The effects of endovascular clot retrieval and thrombolysis on dysphagia in an Australian quaternary hospital: A retrospective review. *Int J Lang Commun Disord*. 2021.

Keynote or Plenary Lectures given in 2021

Date	Title
03/2021	Burns, C.L. Overview of the evidence for assessment and management of adult dysphagia via telehealth, as part of a plenary session 'Telehealth: History, Logistics and Evidence Prior and During COVID-19'. <i>Dysphagia Research Society, March 9-12, 2021. Virtual conference hosted from Chicago, USA</i>