



RBWH

TWENTY

20

RESEARCH REPORT

Metro North
Health



Queensland
Government

ALLIED
HEALTH

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Allied Health Professionals



Mr Peter Buttrum
Executive Director
Allied Health

The Allied Health Professions (AHP) service line comprises Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Rehabilitation Engineering, Social Work and Speech Pathology, as well as the Clinical Multimedia Unit and Aboriginal and Torres Strait Islander Health Liaison Service. Allied Health is committed to the integration of research within clinical care and actively contributes to the achievement of the RBWH vision to be a world class academic health centre. This research investment, along with ongoing education, underpins the evidence base, effectiveness, and efficiency of our service delivery, and outcomes are aimed at transforming clinical service delivery within the rapidly changing healthcare environment.

The COVID-19 pandemic challenged service delivery, improvement and research in ways that we could only have dreamed of. Allied health researchers rose to the challenge, initiating research to identify which service changes during COVID-19 should be continued (or discontinued) in the post-COVID world. Despite the impact of COVID-19 on our clinician-researchers, our research outputs in Allied Health have remained strong, with highlights including: ·

\$2.1M of research funding awarded in 2020

10 research awards, including two awards at the MNHHS Research Excellence Awards

65 peer-reviewed publications including one book chapter ·

53 conference presentations, including 32 presentation at national and international conferences

46 research positions (funded research coordinator positions, conjoints and honorary appointments)

In 2020, 30 of our RBWH Allied Health Practitioners were enrolled in a research higher degree (RHD). We had four clinicians, Dr Michelle Cottrell (Physiotherapy), Dr Yvette Forbes (Psychology), Dr Laura Moroney and Dr Leisa Turkington (both Speech Pathology), complete their PhD in 2020. Our experienced researchers are involved in the supervision of an additional 23 RHD students across multiple universities; many of these students undertaking vital research that contributes to enhanced service delivery and patient care.

We appreciate and thank the contribution of all our university partners and collaborators across MNHHS and RBWH service lines, without whom this level of research success would not be possible and look forward to their ongoing collaboration. Finally, and most importantly, sincere thanks and congratulations are extended to all Allied Health staff for their dedicated efforts and achievements in 2020.

Centre for Allied Health Research

The Centre of Allied Health Research continued to support research capacity building through the Allied Health Professions (AHP) service line in 2020, including:

- ❖ leadership and success in the 'Allied Health Translating Research into Practice' (AH-TRIP) program, with two publications on building capacity for knowledge translation and two RBWH AHPs finalists in the state-wide showcase. This has also led to our contribution in a NHMRC Partnership Grant with university partners to use AH-TRIP to support speech pathology clinicians in implementing a new evidence-based treatment model for aphasia.
- ❖ ongoing research and evaluation of local research capacity building, including undertaking the bi-annual Research Capacity in Context survey in January 2020, to inform further implementation and progress of CAHR, the research strategies of individual departments, and research into the value of clinician-scientists to health services
- ❖ continued advocacy for increased consumer engagement in research and improvement, with grants awarded in 2020 to co-design improved service delivery models in the 'Mowbli' allied health maternity project (MNHHS Better Together grant) and develop a consumer engagement framework for service co-design (MNHHS SEED grant)
- ❖ enabling collaborative research across disciplines and service lines, including evaluation of rapid implementation of telehealth for RBWH allied health outpatient services during the COVID19 (involving all AHP departments and collaboration with RBWH Outpatient Services) and a project to test a new method for collating research metrics using REDcap in collaboration with MNHHS Allied Health, Metro South Research and the Queensland Children's Hospital.

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Adrienne Young, Sarah Wallace, Maria Hennessy, Merrilyn Banks	Centre for Allied Health Research, UQ, Jamieson Trauma Institute, Research Services	Measuring outcomes and value in rehabilitation: Developing a minimum data set for implementation into practice in STARS	MNHHS Collaborative Grants	\$49,880	2020-21
Adrienne Young, Julie Brodrick, Susan de Jersey, Kristy Fitzgerald, Cara Masterson, Janet Dunn, Nicole Moller, Jayne Moritz	Centre for Allied Health Research, Nutrition and Dietetics, Physiotherapy, Social Work, Ngarrama Midwifery service	Improving AH maternity services for Aboriginal and Torres Strait Islander women and families	MNHHS Better Together Grant	\$25 000	2020-21
Jessica Dennis, Emma Glenn, Sally Eames, Ann Rahmann, Dr Cassandra McLennan	Centre for Allied Health Research, Brighton Rehabilitation Unit, Redcliffe Hospital	"My Arm Hub" an innovative upper limb rehabilitation program for chronic stroke survivors	CAHRLI Innovation Challenge	\$6,440	2020-21

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
David Copland, Dominique Cadilhac, Natasha Lannin, Sarah Wallace, Kirstine Shrubsole, Anne Hill, Monique Kilkenny, Jade Dignam, Emma Power, Brooke Ryan, Adrienne Young , Bruce Aisthorpe, Emma Finch, Linda Worrall, Rachelle Pitt, Tammy Hoffman	Centre for Allied Health Research	Implementation of Comprehensive High-dose Aphasia Treatment (CHAT)	NHMRC Partnership Grant	\$1,065,665	2020-2025

Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Adrienne Young	Angela Chang (MNHHS AH), Susie de Jersey (Nutrition and Dietetics), Anna Farrell (Speech Pathology), Jenny Strong (Occupational Therapy), Gai Harrison (Social Work), Jennifer Paratz (Physiotherapy), Peter Buttrum (Allied Health), Merrilyn Banks (Research)	Understanding research capacity and outputs in allied health workforce at RBWH	N/A
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	N/A
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	N/A
Peter Buttrum	Shaun O'Leary (Physiotherapy), Adrienne Young , Diann Eley (UQ), Merrilyn Banks (Research Services), Mark Cruickshank (Physiotherapy), James Elliot (Uni of Sydney), Nicholas Talley (Uni of Newcastle), Tracy Comans (UQ and CAHR), Scott Bell (TRI)	Sustainable career pathways for clinician-scientists in Australian public health	N/A
Ann Rahmann	Professor Nancy Low Choy (ACU)	Does physiotherapy assessment and management of Vestibular dysfunction in patents admitted to sub-acute rehabilitation after an injurious fall reduce the rate of falls in the first three months after discharge home?	61

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 Patients Recruited in 2020
Adrienne Young , Julie Brodrick, Susie de Jersey , Kristy Fitzgerald , Cara Masterson, Janet Dunn, Nicole Moller, Jayne Moritz	Centre for Allied Health Research, Nutrition and Dietetics, Physiotherapy, Social Work, Ngarrama Midwifery service	Improving AH maternity services for Aboriginal and Torres Strait Islander women and families	

2020 Research Publications

Journal Articles

1. Moretto N, Stute M, Sam S, Bhagwat M, Raymer M, Buttrum P, Banks M, Comans TA. A uniform data set for determining outcomes in allied health primary contact services in Australia. Australian Journal of Primary Health. 2020. doi: 10.1071/PY18104
2. Hunter SC, Kim B, Mudge A, Hall L, Young A, McRae P, Kitson AL Experiences of using the i-PARIHS framework: a co-designed case study of four multi-site implementation projects. BMC Health Services Research. 2020 20(1):1-14.

Department of Nutrition & Dietetics

In 2020 the Department of Nutrition & Dietetics saw two staff members complete their PhD, one awarded a MNHHS Clinician Researcher Fellowship, two awarded RBWH Postdoctoral Fellowships and three won research awards across local, district and State-wide events. The department was awarded \$300,000 in research grants in 2020, and published 31 peer-reviewed papers, of which 12 were primary authors from the department. Despite the impact that COVID-19 had on conferences in 2020, several virtual conferences were held, and the department was represented by 8 oral presentations, including 2 invited presentations, and a total of 24 poster presentations. Research capacity is continuing to grow and develop in the department, with eight staff members who have completed a Research Higher Degree, four staff members who are enrolled in a Research Higher Degree, and three honorary appointees enrolled in a Research Higher Degree. There were five Honours research students from QUT and four Masters research students from UQ who completed their research projects in the department in 2020.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Emilie Croisier	First Place in Three Minutes to Shine	Queensland Dietitians Symposium, 13th March 2020
Emilie Croisier	People's Choice in Three Minutes to Shine	Queensland Dietitians Symposium, 13th March 2020
Emilie Croisier	Best oral or poster presentation by a health practitioner researcher	Herston Symposium, 10th December 2020
Elissa Pacheco	TRIPped-Up Award	Queensland AH-TRIP Showcase, 4 th December 2020
Susie de Jersey	Chief Executive's Award	MNHHS Research Awards
Susie de Jersey	Awarded MNHHS Clinician Researcher fellowship	MNHHS

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Angela Byrnes	Nutrition and Dietetics	Investigating sustainability of practice change implementing early post-operative diet upgrade in colorectal surgical patients	RBWH Foundation Postdoctoral Fellowship	\$48,558	2020
Helen MacLaughlin , Andrew Mallet (Renal), Kate Morgan , Belinda Mason , Julie Brodrick	Nutrition and Dietetics, Renal	Mediterranean diet as adjunctive therapy to reduce resistant proteinuria in chronic kidney disease – a proof of concept study	RBWH Foundation Research project grant	\$40,000	2020
Helen MacLaughlin	Nutrition and Dietetics	Beating the postcode lottery – using telehealth to deliver renal nutrition services across MNHHS	AH-TRIP Start Up Grant	\$6,000	2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Jane Musial, Andrea Cawte	Nutrition and Dietetics, QUT Health Clinic, Renal Medicine Service, COH Diabetes	QUT-RBWH-COH partnership Program for Diabetes and Chronic Kidney Disease	MNHHS LINK Innovation Scheme	\$58,330	2019-2020
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
Kylie Matthews-Rensch	Nutrition and Dietetics	Motor Neurone Disease: a study of an Individualised Nutrition Approach (MN-DINA)	RBWH Private Practice Trust Fund Education/Training and Research Grant	\$38,570	2020
Natasha Roberts, David Wyld, Gary Power, Helene Jacmon, Teresa Brown , Leonie Naumann, Erin Molloy, Suzette Fox, Greg Lewis, Many Fairclough, Maree Grier, Kieron Barker, Therese Hayes, Jenni Leutenegger, Nicole Gavin, Elise Button	Cancer Care Services, Nutrition and Dietetics	A Co-designed implementation science strategy with clinicians, consumers and researchers for symptom-management in oncology care	Diamond Care Grants	\$39,027	2020
Sarah Andersen, Teresa Brown , Glen Kennedy (CCS), Frederik Steyn (Neurology & UQ), Rebecca Fichera	Nutrition and Dietetics, Cancer Care Services, UQ	Energy expenditure in patients undergoing allogeneic stem cell transplantation	RBWH Foundation Research project grant	\$39,147	2020
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
Taylor Guthrie	Nutrition and Dietetics	The impact of bariatric surgery prior to pregnancy on maternal and offspring nutritional outcomes during pregnancy and the first six months of age: A prospective cohort study	CARHLI Pre-Research Higher Degree Scholarship	\$8,400	2020
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

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Christoph Lehner, Leonie Callaway, Sailesh Kumar, Katie Foxcroft, Stephanie Lawton, Akwasi Amoako, Alka Kothari, Susan 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
Susan 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
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
Adrienne Young , Shelley Kulperger, Aileen Hanley-Platz, Christine Petrie, Noel Muller, Gary Power, Julene Winn, Helene Jacmon	Nutrition and Dietetics, QIPPS, Consumer Advisory Group	Partnering with consumers: a framework for consumer engagement in innovation and service co-design	MNHHS SEED Funding	\$106,302	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 2020
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?	0
Abigail Marsh	Angela Byrnes , Veronique Chachay (UQ), Sophie Reinfleish (UQ), Kalina Bennet (UQ)	Dietary Management of Individuals with Active Ulcerative Colitis	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
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 Olenski (IMRU)	Co-designing a positive meal environment for older people in hospital: a multi-phase experience-based co-design study	0 (recruitment finalised 2019)
Adrienne Young	Natalie Hwang (UQ), Champika Puttullo (Pharmacy), Alison Mudge (Internal Medicine), Kerinya Pillai (Medical Services), Margaret Cahill (Internal Medicine), Carly Scott (Health Information Services)	Understanding hospital acquired constipation at RBWH – retrospective chart audit	0
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)	0
Adrienne Young	Jerrold Jingjie Tan (QUT), Jess Kinneally , Lynda Ross (QUT)	Validation and inter-rater reliability of a rapid intake assessment tool	0
Amanda Watt	Emma Osland , Vishal Kaushik (Gastroenterology), Craig Harris (Surgery), David Taylor (Surgery), Teresa Brown	Examination of nutrition care and support practices for patients having pelvic exenteration surgery	n/a
Angela Byrnes	Jessica Fry , Adrienne Young , David Clark (Surgery)	Investigating sustainability of practice change implementing early post-operative diet upgrade in colorectal surgical patients	28
Angela Byrnes	Clare Cutmore , Adrienne Young , Elise Treleaven , Joanne Hiatt , Claire Dux , Kylie Matthews , Merrilyn Banks , Jessica Fry	Standardising protocol driven enteral feeding	183
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	0
Cindy Jennings	Lynda Ross , Taylor Guthrie , Helen MacLaughlin , Robin Hay	Evaluation of Healthy Eating and Lifestyle Program (HELP) telehealth clinic	n/a
Claire Blake	Merrilyn Banks , Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service	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 2020
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	96
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 (UQ)	Nutrition outcomes and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy	n/a
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	n/a
Claire Blake	Anna Edwards (UQ), Elise Treleaven, Teresa Brown, Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Outcomes of new model of care in head and neck cancer with pre chemoradiotherapy education and proactive tube feeding	n/a
Claire Blake	Joanne Hiatt, Emma Osland , Kay Lasenby (Gastro)	Consumer Engagement of gastrostomy service design and evaluation	18
Claire Dux		Feed interruptions in ICU and impact on nutritional intake	0
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	93
Emilie Croisier	Kelly D'Cunha (UQ), Teresa Brown , Judy Bauer (UQ)	Exploration of current dietetic practices for patients with gynaecological cancers undergoing radiotherapy in Australia: a cross sectional survey	0
Emilie Croisier	Alana Morrissey (UQ), Teresa Brown , Alice Grigg (Cancer Care), Philip Chan (Cancer Care), Jeffrey Goh (Cancer Care), Judy Bauer (UQ)	The nutritional and clinical implications of pelvic radiotherapy in the gynaecology oncology population – a retrospective observational study	0
Emilie Croisier	Teresa Brown , Alice Grigg (Cancer Care), Philip Chan (Cancer Care), Jeffrey Goh (Cancer Care), Judy Bauer (UQ)	Role of dietary fibre for patients receiving pelvic radiotherapy in the gynaecology oncology population	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
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	5
Helen MacLaughlin	ASSESS AKI investigators	Body Mass Index and Chronic Kidney Disease Outcomes after Acute Kidney Injury: a Prospective Matched Cohort Study	0
Helen MacLaughlin	Harriet Williams (British Dietetic Association Renal Nutrition Group), Tamara Brown (British Dietetic Association Renal Nutrition Group)	Systematic Review of Nutrition Assessment and Dietary Intervention in adults with Chronic Kidney Disease	N/A
Helen MacLaughlin	Justine Bastow (QUT), Kate Morgan , Andrew Mallett (Renal), Julie Brodrick	Healthy Eating in Haemodialysis - a new approach to nutritional care in CKD: a feasibility study	N/A
Helen MacLaughlin	Justine Bastow (QUT), Kate Morgan , Belinda Mason , Julie Brodrick	Body Mass Index and Nutritional Status in Haemodialysis at RBWH 2004-2015	N/A
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	N/A
Jennifer Ellick , Christine Eadeh	Adrienne Young	eHealth Nutrition Intervention in a Hospital Setting: Feasibility & cost vs benefit	n/a
Jennifer Ellick , Denise Cruickshank	Troy Litzow	Improvement Activities in the Foodservices Domain	N/A
Joanne Hiatt	Teresa Brown , Merrilyn Banks , Adrienne Young , Judy Bauer (UQ)	Patient Experience of Nutrition Care across three treatment modalities for the management of head and neck cancer.	0
Joanne Hiatt	Teresa Brown , Merrilyn Banks , Adrienne Young , Judy Bauer (UQ), Prof Lizbeth Kenny, Gregory Lewis, Maree Grier, Clare Burns, Carly Smith, Prof Jane Turner	Improving accessibility of nutrition care and peer support following head and neck cancer treatment using experience-based co-design online	0
Joanne Hiatt	Teresa Brown , Merrilyn Banks , Adrienne Young , Judy Bauer (UQ), Bronwyn Segon (UQ)	Exploring differences in the carer experience of nutrition care between different treatment modalities for head and neck cancer	0
Joanne Hiatt	Angela Byrnes	Implementation of enteral feeding protocol for patients on 8AN	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 2020
Kylie Matthews	Clare Cutmore, Adrienne Young , Caroline Summers (IMAC), Sue Patterson (Mental Health)	Eating disorders: to tube or not to tube? A comprehensive evaluation of acceptability and use of a nasogastric refeeding protocol	20
Kylie Matthews	Clare Cutmore	Audit of management of patients with a medically unstable eating disorder in internal medicine	n/a
Kylie Matthews-Rensch	Clare Cutmore, Kate Morgan	Audit of the introduction of default snacks for patients with medically unstable eating disorders	n/a
Kylie Matthews-Rensch	Claire Blake, Merrilyn Banks , Enoka Gonsalkorala (Hepatology), Barbara Leggett (Hepatology), Richard Skoien (Hepatology), Rohit Gupta (Hepatology)	Liver Nutrition Clinics (LiNC): A service evaluation audit to assess clinical and quality of life outcomes	0 due to COVID
Mary Hannan-Jones	Adrienne Young, Merrilyn Banks, Claire Dux , Bianca Neaves (TPCH), Ji Peng Toh (QUT)	Exploring best practice features of large-scale hospital foodservice systems in Australia	0
Merrilyn Banks	Mary Hannan-Jones (QUT)	Evaluation of state-wide HEN service	0
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	18
Rebecca Fichera	Chin Chin Sarah Siow (QUT), Helen MacLaughlin, Claire Blake	Outcomes of nutrition and physical activity-based cancer survivorship programs – a systematic review	N/A
Sarah Andersen	Rebecca Fichera, Teresa Brown , Glen Kennedy (Haematology), David Williams (Haematology)	Audit of new nutrition support protocol for allogeneic transplantation	N/A
Sarah Andersen	Teresa Brown , Glen Kennedy (CCS), Frederik Steyn (Neurology & UQ),	Energy expenditure in patients undergoing allogeneic stem cell transplantation	0
Sarah Andersen	Madison Jefferis (UQ), Cameron Curley (Cancer Care), Teresa Brown , Judy Bauer (UQ)	Investigating the effect of malnutrition on clinical outcomes post allogeneic stem cell transplantation	n/a
Susan de Jersey	Hilary Powelsland, Taylor Guthrie , Mikeeley Hoch (QUT)	Examining Sustainability and Implementation of Pregnancy Weight Gain Charts in Routine Antenatal Care	200
Susan 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	478

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Susan de Jersey	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), Claire Gardiner , Hilary Powlesland , Taylor Guthrie , Angela Chang (MN AH)	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	149
Susan 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	0
Tenielle Hamlin	Adrienne Young, An-Yang Chen	Midmeal provision in GEM	0
Teresa Brown	Merrilyn Banks , Brett Hughes (Cancer Care), Elizabeth Ahern (Monash), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service), Judy Bauer (UQ)	Body Composition and sarcopenia in patients with head and neck cancer	n/a
Teresa Brown	Daniel Hwang (UQ), Elise Treleaven , Brett Hughes, Liz Kenny, Charles Lin, 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	0
Teresa Brown	Aaron Chan (UQ), Angela Byrnes , Kate Dwyer, Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Ann-Louise Spurgin (Speech), Jane Crombie (Speech), Judy Bauer (UQ)	Impact of helical IMRT on proactive PEG placement in patients with head and neck cancer – guideline revalidation	n/a
Teresa Brown	Louise Cooney (PAH), Eliza Kern (PAH), Suzie Ahern , Brett Hughes, Liz Kenny, David Smith (QIMR), Louise Elvin Walsh (PAH), Sandro Porceddu (PAH), Bena Brown (PAH), Ingrid Hickman (PAH)	Comparison of nutrition outcomes with proactive and reactive nutrition support approaches for high risk patients with head and neck cancer	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 2020
Alex Molassiotis (Hong Kong)	Teresa Brown , Ray Chan (PAH), 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	34 patients, 12 carers

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Alice Pashley (UQ)	Teresa Brown , Belinda Lehn (Speech), Rob Hodge (ENT), Judith Bauer (UQ)	Nutritional status and head and neck cancer surgical complications	n/a
Alita Rushton (TPCH)	Adrienne Young , Judith 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)	
Anna Edwards (UQ)	Teresa Brown , Brett Hughes, Judy Bauer (UQ)	Investigating the incidence, prevalence and impact of sarcopenia for patients with HPV+ head and neck cancer	0
Anna Edwards (UQ)	Teresa Brown , Brett Hughes, Judy Bauer (UQ)	Exploring the relationship between nutrition and sarcopenia development on outcomes for patients with HPV+ head and neck cancer	0
Angela T Chang (MN AH)	Susan 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	
Ashley Van der Walt (QUT)	Emma Osland , Amanda Watt , Vishal Kaushik (gastroenterology), Helen MacLaughlin	Factors Involved in Decision Making and Outcomes in Parenteral Nutrition for Hospitalised Adults	N/A
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), Susan 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 Isenring (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.	n/a
Claire Nelson (QUT)	Merrilyn Banks , Mary Hannan-Jones (QUT), Kathleen Findlayson (QUT)	Nutritional status of community dwelling individuals with chronic leg wounds	
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	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 2020
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	0
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	52
Elizabeth Ahern (Monash)	Teresa Brown , Brett Hughes, Louise Campbell (PET), Merrilyn Banks , Charles Lin, Liz Kenny, Judy Bauer (UQ)	Impact of sarcopenia and low muscle attenuation with survival outcomes at 1,3, and 5 years post treatment for head and neck cancer	n/a
Elizabeth Ahern (Monash)	Teresa Brown , Brett Hughes, Louise Campbell (PET), Merrilyn Banks , Charles Lin, Liz Kenny, 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	n/a
Helen Barrett (UQ, Mater Health Services)	Marloes Dekker (UQ), H David McIntyre (Mater and UQ), Michael d'Embden (Endocrinology), Leonie Callaway (WNBS), Susan de Jersey	Post prandial triglycerides in diabetes in pregnancy: a pilot study	0
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 Hil (PAH), Merrilyn Banks , Rhiannon Barnes (AHPOQ), Tracy Comans (UQ, CAHR)	SIMPLE Phase II: Knowledge Translation	
Jorja Collins (Monash Uni)	Denise Cruickshank , Jo McCormack (Griffith), Kristen MacKenzie-Shalders (Bond), Stefanie Carino (Monash Uni)	Environmental sustainability in foodservice: strategies and mechanisms for change	
Judith Bauer (UQ)	Nathan Baldwin (UQ), Merran Findlay (Sydney), Teresa Brown , Anna Edwards	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 (Nutrition and Dietetics) , Lynda Ross (Griffith), Belinda Mason (Nutrition and Dietetics)	SODIUM-HF (Study of Dietary Intervention Under 100 MMOL in Heart Failure)	2

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Kate Mellors (UQ)	Xiaodan Ye (UQ), Johnathon van den Brande (UQ), Tsz Wai Ray Mak (UQ), Merran Findlay (RPA), Teresa Brown , Judy Bauer (UQ)	The Impact of Prophylactic Percutaneous Endoscopic Gastrostomy (PEG) Tube Placement Versus Reactive Tube Feeding (nasogastric or gastrostomy) in Patients with Head and Neck Cancer Undergoing Radiotherapy or Chemoradiotherapy: A Systematic Review.	n/a
Katrina Campbell (MNHHS)	Savita Sandhu (QUT), Chloe Angel (QUT), Helen MacLaughlin , Ingrid Hickman (UQ)	Core Outcomes measured in dietary interventions in complex chronic disease – a systematic review	N/A
Katrina Campbell (MNHHS)	Jane Musial, Rebecca Healy , Charlene Matthews (Griffith)	Perspectives on technology use to enhance self- management in 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	
Katrina Campbell (MNHHS)	Jane Musial, Rebecca Healy , Charlene Matthews (Griffith)	Evaluation of an mHealth Model of Care for bariatric surgery patients	n/a
Katrina Ridout (QUT)	Susan de Jersey , Danielle Gallegos (QUT), Adrian Barnett (QUT)	Understanding and improving pregnant women's participation in government funded prenatal nutrition and lifestyle intervention programs	57
Kimberley Anakapu (UQ)	Michael Wilson (UQ), Merran Findlay (RPA), Teresa Brown , Judy Bauer (UQ)	Does transoral robotic surgery of head and neck cancers lead to improved nutritional outcomes compared to conventional open surgery? A systematic review	n/a
Leonie Callaway (WNBS)	Karin Lust (WNBS), Victoria Eley (Anaesthetics), Katie Foxcroft (WNBS), Ms. Sarah J Davidson (WNBS and Duke University), Susan de Jersey , Severine Navarro (QIMR), Andreas Suhrbier (QIMR)	COVID-19 in Mothers and Babies	0
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.	16
Margaret Whillier (diabetes)	Jane Musial , Heike Krausse, Helen MacLaughlin	Evaluation of patient experience post DAFNE program	N/A
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	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 2020
Michelle Palmer (Logan)	Elaina Elder Robinson (UQ); Shannon Huxtable (Logan), Susan de Jersey	National survey of antenatal clinics to determine care practices for pregnant women with previous bariatric surgery	100
Nassar Lafta (Gastroenterology)	Jessica Kinneally , Mark Appleyard (Gastroenterology), Florian Grimpén (Gastroenterology), Kimberley Ryan (Gastroenterology)	TFGED (two food group elimination diet) versus swallowed fluticasone for the management of adult eosinophilic esophagitis, a multi-centred randomized prospective study.	
Nerida Hart (QUT)	Mary Hannan-Jones (QUT), Merrilyn Banks	What makes a quality foodservice system?	
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	20
Nicole Gavin (Cancer Care)	Glen Kennedy (Cancer Care), Claire Rickard (Griffith Uni), Patrick Harris (UQ), Sarah Andersen , Elise Button (Cancer Care), Rebecca Lippiatt (Cancer Care)	Improving central-line associated bloodstream infection diagnosis in malignant haematology patients with parenteral nutrition (Improving CLABSI Trial)	n/a
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	0
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	143
Sarah Davidson (Duke University)	Susan de Jersey , Leonie Callaway (WNBS)	The effect of using ultrasound-guided management of gestational diabetes on maternal and neonatal outcomes in pregnant women.	350
Shelley Wilkinson (Mater, UQ)	Danielle Schoenaker (Uni Southampton), Susan 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?	198
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	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
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	n/a
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	n/a

2020 Research Publications

Journal Articles

1. **Guthrie T, de Jersey SJ**, New K, Gallegos D. Midwife readiness to provide woman-centred weight gain support: Exploring perspectives across models of care 2020 Women and Birth <https://doi.org/10.1016/j.wombi.2020.01.005>
2. Porteous P, **de Jersey SJ**, Palmer M, Attendance rates and characteristics of women with obesity referred to the dietitian for individual weight management advice during pregnancy. 2020 Aust N Z J Obstet Gynaecol DOI: 10.1111/ajog.13128.
3. Pironi L, Steiger E, Francisca J, Wanten G, Chambrier C, Aimasso U et al. Intravenous supplementation type and volume are associated with 1-year outcome and major complications in patients with chronic intestinal failure. Gut. 2020 DOI: 10.1136/gutjnl-2018-318172
4. Colin-Ramirez E, Arcand J, Woo E, Brum M, **Morgan K**, Christopher W, Velázquez L, Sharifzad A, Feeney S, Ezekowitz JA. Design and Region-Specific Adaptation of the Dietary Intervention Used in the SODIUM-HF Trial: A Multicentre Study. CJC Open. 2020 <https://doi.org/10.1016/j.cjco.2019.11.006>
5. Kiss N, Bauer J, Boltong A, **Brown T**, Isenring L, Loeliger J, Steer B, Findlay M. Awareness, perceptions and practices regarding cancer-related malnutrition and sarcopenia: a survey of cancer clinicians. Supportive care in cancer. 2020 DOI 10.1007/s00520-020-05371-7
6. **Andersen S, Banks M, Brown T**, Weber N, Kennedy G, Bauer J. Nutrition support during allogeneic stem cell transplantation: evidence versus practice. Supportive Care in Cancer. 2020 DOI 10.1007/s00520-020-05397-x
7. Roberts, S., Hopper, Z., Chaboyer, W., Gonzalez R., **Banks M.**, Desbrow, B., Marshall, AP et al. Engaging hospitalised patients in their nutrition care using technology: development of the NUTRI-TEC intervention. BMC Health Serv Res 20, 148 (2020). <https://doi.org/10.1186/s12913-020-5017-x>
8. Moretto N, Stute M, Sam S, Bhagwat M, Raymer M, Buttrum P, **Banks M**, Comans TA. A uniform data set for determining outcomes in allied health primary contact services in Australia. Australian journal of primary health. 2020. <https://doi.org/10.1071/PY18104>
9. **Andersen S, Banks M**, Bauer J. Nutrition Support and the Gastrointestinal Microbiota: A Systematic Review. Journal of the Academy of Nutrition and Dietetics, 2020, Vol 120, p1498-1516. <https://doi.org/10.1016/j.jand.2020.04.024>
10. Miller N, Mallan K, Byrne R, **de Jersey SJ**, Jansen E, Daniels LA. Non-responsive feeding practices mediate the relationship between maternal and child obesogenic eating behaviours. Appetite 2020 <https://doi.org/10.1016/j.appet.2020.104648>
11. Meloncelli N, Barnett A, D'Emden M, **de Jersey SJ**. Effects of Changing Diagnostic Criteria for Gestational Diabetes Mellitus in Queensland, Australia. Obstetrics and Gynecology 2020. 135 (5) p1215-1221.. doi: 10.1097/AOG.0000000000003790
12. **Di Bella A, Croisier E, Blake C**, Pelecanos A, **Brown T**, Bauer J. Assessing the concurrent validity and inter-rater reliability of patient-led screening using the Malnutrition Screening Tool (MST) in the ambulatory cancer care outpatient setting. Journal of the Academy of Nutrition and Dietetics, 2020; 120(7);1210-15. doi: 10.1016/j.jand.2019.10.015
13. **Hiatt J, Brown T, Banks M, Lewis CA**, Bauer J. Patient and carer experience of nutrition care throughout treatment for head and neck cancer: a systematic qualitative review and thematic synthesis. Supportive Care in Cancer 2020. DOI 10.1007/s00520-020-05576-w

14. Deftereos I, Yeung J, Carter V, Isenring E, Kiss N & **NOURISH Point Prevalence Study Group**. Nutritional outcomes of patients undergoing resection for Upper gastrointestinal cancer in Australian hospitals (NOURISH): Protocol for a multicentre point prevalence study. *BMJ Open*, 2020. 10(5):e035824. doi: 10.1136/bmjopen-2019-035824.
15. Drysdale C, **Matthews-Rensch K, Young A**. Further evidence to throw caution to the wind: outcomes using an assertive approach to manage refeeding syndrome risk. *European Journal of Clinical Nutrition*, 2020. <https://doi.org/10.1038/s41430-020-0676-6>
16. **Marsh A**, Radford-Smith G. Editorial: obesity management and IBD—weight loss reduces IBD risk. *Alimentary Pharmacology and Therapeutics*, . 52(4), 731–732, 2020 DOI: 10.1111/apt.15827
17. **Di Bella A**, Comans T, Gane E, **Young A**, Hickling D, Lucas A, Hickman I, **Banks M**, Underreporting of Obesity in Hospital Inpatients: A Comparison of Body Mass Index and Administrative Documentation in Australian Hospitals. *Healthcare*, 2020, 11;8(3):334. <https://doi.org/10.3390/healthcare8030334>
18. Patel VN, Dijk G, Malarkey B, Brooke JR, Whelan K, **MacLaughlin HL**. Glycemic Response to a Renal-Specific Oral Nutritional Supplement in Patients With Diabetes Undergoing emodialysis: A Randomized Crossover Trial. *J Parent Ent Nutr* 2020 <https://doi.org/10.1002/jpen.1970>
19. **Lewis C, de Jersey S**, Seymour M, Hopkins G, Hickman I, Osland E. Iron, Vitamin B₁₂, Folate and Copper Deficiency After Bariatric Surgery and the Impact on Anaemia: a Systematic Review. *OBES SURG* 30, 4542–4591 (2020). <https://doi.org/10.1007/s11695-020-04872-y>
20. **Matthews-Rensch, K.**, Capra, S., & Palmer, M. (2020). Systematic Review of Energy Initiation Rates and Refeeding Syndrome Outcomes. *Nutrition in Clinical Practice*. <http://dx.doi.org/10.1002/ncp.10549>
21. **Osland E**, Yunus R, Khan S, Memon M, 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. *Surgical Lararoscopy Endoscopy and Percutaneous Techniques*, 2020, DOI: [10.1097/SLE.0000000000000834](https://doi.org/10.1097/SLE.0000000000000834)
22. **Osland E, Andersen S**, Coleman E, Marshall B, Revisiting the evidence for the reuse of enteral feeding equipment in ambulatory patients: A systematic review, *Nutrition in Clinical Practice*, 2020 DOI: <https://doi.org/10.1002/ncp.10574>
23. Flint K, **Matthews-Rench K**, Flaws D, Mudge A, **Young A**, Mealtime care and dietary intake in older psychiatric hospital inpatient: A multiple case study, *JAN*, 2020 <https://doi.org/10.1111/jan.14728>
24. Wong, A, Huang Y, Sowa P, **Banks, M**, Bauer, J. Adult malnutrition, nutritional interventions and outcomes in Singapore: a scoping review of local studies for the past 20 years, *Proceedings of Singapore Healthcare*, 2020 <https://doi.org/10.1177/2010105820964829>
25. Wong A, Goh Q, Goh A, Sowa P, **Banks M**, Bauer J. Medical Nutrition Reimbursement in Singapore: Who Are the Patients Receiving MediFund Assistance? An Audit of Clinical Outcomes and Issues Pertaining to Reimbursement in a Public Hospital in Singapore, *Journal of Parenteral and Enteral Nutrition*, 2020 <https://doi.org/10.1002/jpen.2043>
26. Naumann, F, Mullins R, Cawte A, Beavis S, **Musial J**, Hannon-Jones M. Designing, implementing and sustaining IPE within an authentic clinical environment: the impact on student learning, *Journal of Interprofessional Care*, 2020 <https://doi.org/10.1080/13561820.2020.1837748>
27. **Croisier E, Brown T**, Bauer J. The Efficacy of Dietary Fiber in Managing Gastrointestinal Toxicity Symptoms in Patients with Gynecological Cancers undergoing Pelvic Radiotherapy: A Systematic Review. *Journal of the Academy of Nutrition and Dietetics*. 2020 <https://doi.org/10.1016/j.jand.2020.08.077>
28. Tan WSY, **Young AM, Di Bella AL**, Comans T, **Banks M**. Exploring the Impact of Obesity on Health Care Resources and Coding in the Acute Hospital Setting: A Feasibility Study. *Healthcare (Basel)*. 2020 8(4):459. doi: 10.3390/healthcare8040459
29. Ross, L, **Byrnes A, Hay R, Cawte A, Musial J**, Exploring the highs and lows of very-low-carbohydrate-high-fat diets on weight-loss and diabetes- and CVD-related risk markers: A systematic review, *Nutrition and Dietetics*, 2020 <http://dx.doi.org/10.1111/1747-0080.12649>
30. Meloncelli N, Barnett A, **de Jersey SJ** (2020) An implementation science approach for developing and implementing a dietitian-led model of care for gestational diabetes improves adherence to the minimum schedule of dietetic appointments, Australia. *BMC Pregnancy and Childbirth* 20 (1), 1-12.
31. Stute M, Moretto N, Waters, R, Raymer M, Sam, S, Bhagwat M, **Banks M**, Comans, T, Buttrum P, Allied health primary contact services: results of a 2-year follow-up study of clinical effectiveness, safety, wait times and impact on medical specialist out-patient waitlists, *Australian Health Review*, 2020 - <https://doi.org/10.1071/AH192252020>

Book Chapter/Letters

1. **Matthews-Rensch K**, Palmer, M. 2020. Refeeding Syndrome (pp. 169-175). In Handbook of clinical nutrition and dietetics (6th ed). Editor: Rowan Stewart. Southport, Australia: Griffith University, School of Public Health.
2. d'Emden MC, Ungerer JPJ, **de Jersey SJ**. Risk of undetected cases of gestational diabetes mellitus during the COVID-19 pandemic. Med J Aust 2020; <https://www.mja.com.au/journal/2020/risk-undetected-cases-gestational-diabetes-mellitus-during-covid-19-pandemic>

2020 Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **MacLaughlin HL**. Obesity and Chronic Kidney Disease. ANZSN 2020 Hobart – cancelled due to COVID-19, amended to Dietitian's Australia Renal Nutrition Group virtual meeting Nov 2020
2. **de Jersey S**. Prevention of obesity in pregnancy: opportunities abound. Australian and New Zealand College of Anaesthetists & the Faculty of Pain Medicine. PERIOPERATIVE MEDICINE SIG VIRTUAL MEETING October 2020

Oral Presentations

1. **Lewis C, de Jersey S**, Seymour M, Hopkins G, Hickman I, **Osland E**. Haematinic deficiency after bariatric surgery – A systematic review. ANZMOSS – ANZGOSA 2020 Conference – virtual, October 2020.

Poster Presentations

1. **Croisier E, Brown T**, Bauer J. The clinical and nutritional implications of pelvic radiotherapy in gynae-oncology patients; a retrospective observational study. ANZ Gynae-Oncological Group Conference, Melbourne, Feb 2020 – cancelled due to COVID – Re-scheduled to Feb 2021
2. Anakapu K, Wilson M, **Brown T**, Findlay M, Bauer J. Does transoral robotic surgery (TORS) for head and neck cancer lead to improved nutritional outcomes compared to open surgery? A systematic review. ESPEN, Virtual, September 2020
3. Tunzi L, Funk T, **Brown T**, Findlay M, Bauer J. Optimal frequency of individualised nutrition counselling in patients with head and neck cancer receiving treatment. ESPEN, Virtual, September 2020
4. Ye X, Chang Y, Findlay M, **Brown T**, Bauer J. Effect of Route and Timing of Enteral Nutrition Support on Tube Feeding Duration, Tube-related Complications and Dysphagia in Patients with Head and Neck Cancer Undergoing Treatment: A Systematic Review. ESPEN, Virtual, September 2020
5. **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. ESPEN, Virtual, September 2020
6. Bastow J, **Morgan K, Brodrick J, Mason B, Musial J, MacLaughlin HL**. Trends in Body Mass Index and Nutritional Status in Maintenance Haemodialysis Patients – 15 year review. ANZSN 2020 Virtual Conference Nov 2020
7. **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. COSA, Brisbane/Virtual, November 2020
8. Rindfleisch S, Bennett K, **Marsh A**, Chachay V. Outcomes of dietary management approaches in active ulcerative colitis: a systematic review. ESPEN, September 2020
9. Molassiotis A, **Brown T**, Cheng HL, **Byrnes A**, Chan R, Wyld D, Eastgate M, Yates P, Marshall A, **Fichera R**, Isenring E, To KF, Ko PS, Lam W, Lam YF, Au LF, Lo SR. The effects of a family-centred psychosocial-based nutrition intervention in patients with advanced cancer: the PICNBIC2 pilot randomised controlled trial. COSA, Brisbane/Virtual, November 2020
10. **Croisier E**, Morrissy A, **Brown T**, **Croisier E**, Morrissy A, Brown T, Grigg A, Chan P, Goh J, Bauer J. The clinical and nutritional implications of pelvic radiotherapy in patients with gynaecological cancers – a retrospective study. COSA, Brisbane/Virtual, November 2020
11. **Hiatt J, Brown T, Lewis CA, Young A**, Banks M, Bauer J. Patient and carer experience of nutrition care throughout and beyond treatment for head and neck cancer: a qualitative longitudinal study. COSA, Brisbane/Virtual, November 2020
12. **Brown T, Pacheco E**, Frederiksen P, Kennedy G. Implementation of Structured Interdisciplinary Bedside Rounds in cancer care: evaluation from an allied health perspective. COSA, Brisbane/Virtual, November 2020

Department of Occupational Therapy

The 2020 year was an enormous year for RBWH Occupational Therapy, as we played our part in preparing for COVID-19, adapted our models of care and revised our research activities to meet strict social distancing requirements and ensure patient and staff safely.

Research momentum has grown in Occupational Therapy at RBWH over the past 12 months. Our Occupational therapy researchers have intensified their efforts to create new knowledge and translate that knowledge into patient care.

Our research efforts have been focused around three theme areas:

1. new technologies (vacuum therapy, telehealth, virtual reality, upper limb robotics)
2. Consumer engagement
3. Neurological research which seeks to enhance clinical design making in functional cognition, ecological assessment of cognition and life skills rehabilitation

Highlights for Occupational Therapy in 2020 include:

- ❖ 7 RBWH Foundation Scholarships awarded in 2020 - 1 new, 6 renewals
- ❖ 12 peer reviewed publications
- ❖ 4 oral presentations at National and International Conferences
- ❖ 4 poster presentations at National Conferences
- ❖ 3 staff are undertaking a PHD
- ❖ 5 staff are undertaking a Master's Degree
- ❖ \$1,034,271 of competitive grant funding

The RBWH Occupational Therapy Department continues to grow their collaborations with the UQ School of Health and Rehabilitation Sciences, UQ School of Engineering and Computing, RECOVER Injury Research Centre, Griffith University, Jamieson Trauma Institute and the Herston Biofabrication Institute.

Emeritus Prof Jenny Strong also shared her research skills more broadly across the HHS as she worked in the half-time position of Acting Executive Director Research for Metro North. Jenny was instrumental in the receipt of an MRFF RART grant which to improve health professionals' communication skills with First Nations peoples.

Occupational Therapy is most grateful for the generous support of the RBWH Foundation.

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Amber Jones	OT	Development and evaluation of an Occupational therapy Burns Telehealth service	RBWH Postgraduate Research Scholarship	\$38,871.49	2020
Andrea McKittrick	OT	To develop a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers	RBWH Foundation Postgraduate Scholarship - renewal	\$38,871.49	2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Atiyeh Vaezipour (UQ), Nicole Andrews (OT and UQ) , Mark Horswill (UQ), Oscar-Oviedo Trespalacios (CARRS-Q), Venerina Johnston (UQ), Patricia Delhomme (IFSTTAR)	OT	Improving the management of driving behaviour in people with chronic pain: perspective of people with chronic pain and health professionals	RACV Safety Research Fund	\$74,630.00	2019-2020
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 Foundation Postgraduate Scholarship - renewal	\$38,871.49	2020
Greg Pratt (QIMR), Jenny Strong (RBWH OT and UQ) , Daniel Williamson (QHealth), David Kavanagh (QUT), Ivan Lin (UWA), Matthew Bryant (THHS), Stephen Birch (UQ)	OT	Improving health outcomes for Aboriginal and Torres Strait Islander people living with chronic pain	Brisbane Diamantina Health Partners MRFF RART grant	\$600,000	2019-2021
Jason Brown (Burns), Michael Rudd (Burns), Sue Laracy , Michelle Donovan	Burns and OT	Biofabrication for Better Burn Treatment	MNHHS Program Engagement (Clinical & Research), Herston Biofabrication Institute	\$2,499,645.00	2018-2022
Kaitlyn Spalding	OT	Enhancing occupational performance using the 'LifeSkills' program: Evaluation of an occupation-based group in an inpatient rehabilitation setting	RBWH Postgraduate Research Scholarship	\$38,871.49	2020
Katherine Goodchild	OT	Translating the evidence to improve Occupational Therapy assessment of functional cognition following acute traumatic brain injury (TBI)	RBWH Postgraduate Research Scholarship	\$38,871.49	2020
Nicole Andrews (OT & UQ) , David Ireland (CSIRO), Marlien Varnfield (CSIRO)	OT	An evaluation of the usability of a paediatric version of the Pain ROADMAP App	APS/APRA/CFK Clinical Research Grant	\$12,400	2019-20
Perry Judd (Physiotherapy), Amber Jones	Physiotherapy & OT	RBWH OT/PT led burns outpatient telehealth service	MNHHS	\$139,167	2019-2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Sarah O'Reilly	OT	The application of multi-directional tape on small size burn scars	RBWH Postgraduate Research Scholarship	\$38,871.49	2020
Shannon Scarff	OT	Ecological assessment of patient cognition by the occupational therapist: The Multiple Errands Test-Revised in the Australian context	RBWH Foundation Postgraduate Scholarship - renewal	\$38,871.49	2020
Sue Laracy	OT	CAHRLI Pre - Research Higher Degree Scholarship 2019-2020	CAHRLI	\$13,074	2020

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 2020
Amber Jones , Perry Judd (PT)	Michelle Cottrell (PT), Anita Plaza (PT), Andrea Mc Kittrick , Dr Angela Chang (CAHR), Dr Clare Burns (SP)	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care.	
Amber Jones , Perry Judd (PT)	Michelle Cottrell (PT), Anita Plaza (PT), Andrea Mc Kittrick , Dr Angela Chang (CAHR), 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.	
Amber Jones	Dr Clare Burns (SP), Prof Elizabeth Ward (UQ)	Developing a telehealth model for the delivery of Occupational Therapy burn care	
Andrea Mc Kittrick	Professor Louise Gustafsson & Dr Ameila Di Tommaso	Development of a specific outcome measure for hand burn injuries informed by all levels of evidence: research evidence, specialist clinicians and consumers	0
Andrea Mc Kittrick	Amber Jones , Sue Laracy , Jenny Strong , Dr Andre Baeur (Psychology)	"Scar Wars" – The effective use of cinemagraphic remedial make up by Occupational Therapy to conceal disfiguring scars"	0
Andrea Mc Kittrick	Amber Jones , Dr Jason Brown (Professor Pegg Adult Burns Centre, RBWH)	A retrospective review of the management and functional outcomes of patients who developed Heterotopic Ossification in one or bilateral upper limbs post severe burn injury at Royal Brisbane and Women's Hospital (RBWH) between 2006 and 2016	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Andrea Mc Kittrick	Sue Laracy, Jenny Strong, Michael Rudd (Burns)	Royal Brisbane and Women's Hospital Occupational Therapy auditing framework for identifying improvements to acute adult burns care"	40 charts audited
Andrea Mc Kittrick	Amber Jones & Australian Catholic University – School of Occupational Therapy	A feasibility study of the Canadian Occupational Performance Measure (COPM) in the burns cohort in an acute tertiary facility	0
Andrea Mc Kittrick	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	0
Andrea Mc Kittrick	Amber Jones	To determine PREMs and PROMS post burn injuries to the neck from the consumer and clinician perspectives across Australia and New Zealand	6
Andrea Mc Kittrick	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	3
Andrea Mc Kittrick	Amber Jones, Georgia 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	60 files audited
Celeste Glasgow	Sue Laracy, Kathy Green (Logan), Ruth Cox (QE2), Leo Ross (QE 2)	Evaluation of the Primary Contact Occupational Therapy Hand (PCOTH) Clinical Outcomes; non carpal tunnel syndrome (CTS) diagnoses	
Celeste Glasgow	Sue Laracy, Cherie Aceto	What is the most effective orthosis for improving PIP joint extension following hand trauma? An RCT	
Celeste Glasgow	Sue Laracy, Kristin Kirwan	Occupational Therapy Hand Unit Consumer engagement project	
Erin Crofton	Amber Jones, Sue Laracy, Jenny Strong, Paul Gray, (Pain Centre)	The use of Immersive Virtual Reality in Occupational Therapy during burn wound care procedures	2
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?	118

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Kaitlyn Spalding	Louise Gustafsson (GU)	Enhancing occupational performance using the 'Life Skills' program: Evaluation of an occupation-based group in an inpatient rehabilitation setting.	
Kaitlyn Spalding, Corinne Lewis	Kristin Kirwan	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice	
Kaitlyn Spalding, Kylie Watson	Giovanna Tornatore	Digital technology for Home Assessment practice: experiences from a sub-acute care team	
Katherine Goodchild	Jenny Fleming (UQ) Jodie Copley (UQ)	Translating the evidence to improve Occupational Therapy assessment of functional cognition following acute traumatic brain injury (TBI)	
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	
Nicole Andrews	Belinda Long, Jenny Strong, Sue Laracy	Evaluation of occupational therapy interventions within the orthopaedic physiotherapy screening clinic	
Nicole Andrews	Marlien Varnfield (CSIRO) David Ireland (CSIRO)	Towards understanding 'how much is too much' for individuals with chronic pain	
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	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	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	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Robyn Scheer		The Lymphoedema Arm Measurement Study – Winter vs Summer	
Robyn Scheer	Nicole Andrews Erin Crofton	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema.	
Sarah O'Reilly	Jenny Ziviani (UQ) Jenny Strong Jason Brown (Surgery)	The application of multidimensional tape on small size burn scars	2
Shannon Scarff	Jennifer Fleming (UQ) Hannah Gullo (UQ) Emily Nalder (UofToronto)	Ecological assessment of cognition by the occupational therapist: The Multiple Errands Test revised in the Australian context	
Sue Laracy	Kristin Kirwan, Jenny Strong	Acute surgical business case 7-day service review	

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 RVWH Patients Recruited in 2020
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	
Charlotte Brakenridge (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Elise Gane (UQ)	Nicole Andrews	Impact of interventions on work-related outcomes for individuals with musculoskeletal injuries after road traffic crash: a systematic review protocol	
Elise Gane (UQ), Venerina Johnston (UQ), Esther Smits (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Exploring the perspectives of key stakeholders in return to work after road traffic crash	
Esther Smits (UQ), Venerina Johnston (UQ), Charlotte Brakenridge (UQ), Elise Gane (UQ)	Nicole Andrews	Recovery following a road traffic crash – a Delphi study	
Jessica Thackeray (UQ), Sophie Bowen (UQ), Cory Poll (UQ), Pamela Meredith (CQU)	Jenny Strong, Nicole Andrews	"Can Sensory- and Attachment-Informed approaches be used to modify perceptions of pain?"	
Kirsten Cook (SCUH)	Simon Finnigan (UQCCR), Sue Laracy	Evaluation of the Primary Contact Occupational Therapy Hands Pathway in the Treatment of Carpal Tunnel Syndrome;	
Lynn DeBar (Kaiser Permanente Centre for Health Research, Portland, USA) Meghan Mayhew (Kaiser Permanente Centre for Health Research, Portland, USA)	Nicole Andrews	PPACT Administrative Supplement for Research on Sleep Disturbances and Impact on Chronic Pain	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RVWH Patients Recruited in 2020
Midori Nakagaki (BMT Pharmacist)	Therese Hayes (Nursing) Jenni Leutenegger (Nursing); Caroline Steward (Nursing); Midori Nakagaki (Pharmacy), Rebecca Fichera (Dietetics), Leonie Naumann (Physiotherapy), Justine Brennan (Social Work), Suzette Fox (Social Work Team Leader), Emma Foley, Erin Crofton , Nicole Gavin (Nursing), Glen Kennedy (Haematology), Cameron Curley (Haematology)	Implementation and Evaluation of a Nurse- Allied Health Multidisciplinary Post-Bone Marrow Transplant Clinic	
Shanithi Kanagarajah (Geriatrics, RBWH)	Sue Laracy , Kana Appadurai (Geriatrics), Kathleen Richter (Nursing), Gisela Brittain	Hospital Wide clinician led audit of patients requiring sub-acute care in a large tertiary hospital	
Venerina Johnston (UQ), Melissa Kendall (MSHHS), Donna Valiant (UQ), Ray Quinn (MSHHS), Ben Turner (MSHHS), Hannah Gullo (UQ), Charlotte Brakenridge (UQ)	Nicole Andrews	Review of Vocational Rehabilitation Services for persons with brain injury within Queensland	
Mathilde Desselle (PI), Lucy Holland (PI) Dr Roger Altizer, Dr Natalie Bradford, Dr Jason Brown, Dr Ross Brown, Professor Raymond Chan, Ms Christine Cotter, Associate Professor Leila Cuttle, Associate Professor Paul Gray, Roslyn Henney, Associate Professor Glen Kennedy, Ms Kaylah Moore, Mr Stephen Poyser, Ms Andrea McKittrick, Dr Selen Turkey, Mr Gavin Winter & Distinguished Professor Patsy Yates.	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

Research Publications

Journal Articles

- Andrews N E**, Chien CW, Ireland D, Varnfield M. [Overactivity assessment in chronic pain: The development and psychometric evaluation of a multifaceted self-report assessment](#). *Europ J Pain* 2020 ejp.1664. doi: 10.1002/ejp.1664
- Brandjerporn G, Meredith P, Wilson T, **Strong J**. Prenatal predictors of maternal-infant Attachment. *Canad J Occup Ther.* 2020; 1-13 DOI: 10.1177/0008417420941781
- Brandjerporn G, Meredith P, Wilson T, **Strong J**. **Maternal-fetal attachment: associations with maternal sensory processing, adult attachment, distress and perinatal loss.** *J Child Fam Stud*, 2020 <https://doi.org/10.1007/s10826-020-01876-1>
- Crofton E**, Meredith P, Gray P & **Strong J**. Compression garment wear post-burn: measurement of how I “feel” through quantitative and self-report sensory variables impacts upon wear; a single-site study. *BURNS*. 2020: <https://doi.org/10.1016/j.burns.2020.06.004>
- Hasenbring, Monika I., **Andrews, Nicole E.** and Ebenbichler, Gerold (2020). [Overactivity in chronic pain, the role of pain related endurance and neuromuscular activity - an interdisciplinary, narrative review](#). *Clinical Journal of Pain*, 36 (3), 162-171. doi: 10.1097/AJP.000000000000078

6. **Mc Kittrick, A., Jones, A, Laracy, S** & Bauer A. (2020). The effective use of cinemagraphic remedial make up to conceal disfiguring scars. *Journal of Case Reports : Clinical & Medical*, 3(144), 1-4. Retrieved from <https://scientificliterature.org/Casereports/Casereports-20-144.pdf>
7. **Mc Kittrick, A.**, Gustafsson, L., & Marshall, K. (2020). A systematic review to investigate outcome tools currently in use for those with hand burns, and mapping psychometric properties of outcome measures. *Burns*. <https://doi.org/10.1016/j.burns.2020.07.009>
8. **Scheer R, Crofton E, Andrews N.** The effect of limb position on the reliability of leg circumference measurements in patients diagnosed with lower limb lymphedema. *Support.Care Cancer*. 2020; DOI:10.1007/s00520-020-05835-w
9. Sim G, Fleming J, **Glasgow C.** Mobilizing orthoses in the management of post-traumatic elbow contractures: A survey of Australian hand therapy practice. *J Hand Therapy*.2020. <https://doi.org/10.1016/j.ht.2019.12.014>
10. Sinclair C, Meredith P, **Strong J.** Pediatric persistent pain: associations among sensory modulation, attachment, functional disability, and quality of life. *Amer J Occup Thy*. 2020;74(2):1-11.
11. **Kaitlyn Spalding**, Louise Gustafsson & Amelia Di Tommaso (2020) Occupation-based group programs in the inpatient hospital rehabilitation setting: a scoping review, *Disability and Rehabilitation*, DOI: [10.1080/09638288.2020.1813818](https://doi.org/10.1080/09638288.2020.1813818)
12. Turpin M, Fitzgerald C, Copley J, **Laracy, S., Lewis B.** Experiences of and support for the transition to practice of newly graduated occupational therapists undertaking a hospital graduate program. *Aust Occup Ther J*.2020. DOI: 10.1111/140-1630.12693

Department of Physiotherapy

In 2020, the Physiotherapy research programme continued to strengthen its research and quality activities across both inpatient and outpatient settings. Our team-based quality improvement initiatives continued from last year, which supported research & quality improvement activities across all 12 clinical streams within the department. To highlight this work, the RBWH Physiotherapy Department Research Symposium was held virtually over three lunchtime sessions, where 28 projects were presented to staff from across Metro North.

Overall, in 2020 there were 69 research projects undertaken where a member of the Physiotherapy Department was the Project Lead, and an additional 24 projects undertaken in collaboration with other departments/facilities. One staff member successfully completed their PhD, while three others continue their PhD journey. Research activities led to 14 peer reviewed publications, 8 national and international conference presentations and involvement in close to \$630 000 grant funding. Now in its third year, a further six research grants were distributed to clinicians of the Physiotherapy Department through the Physiotherapy Research Fund. Our General Surgery Pre-admission team were awarded the Overall superior Quality Achiever for 2020 at the RBWH QuARRIES as well as the Herston Symposium Translational Research Award, while two other staff members received awards at a national or international conference.

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 (A/ Prof Jenny Paratz). Through research higher degrees, collaborations have also been forged with Queensland University of Technology and the Australian Catholic University. These collaborations have subsequently led to the RBWH Physiotherapy Department being a participating site in two NHMRC Project Grants in 2021.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Kirsty Quince	Best Oral Presentation – First Time Presenter	13 th ALA Virtual Conference, 28 May – 5 July 2020
Shaun O'Leary, Christopher Little, Letitia Deveza	Best Team Presentation	'Mine the Gap' Symposium - Hosted by the Australian Osteoarthritis Summit and NHMRC Centre of Research Excellence, 14-15th October, 2020.
Peter Thomas, Nanette Paxman, Erin Huttenmeister	Fostering Innovation Project 2020	2020 RBWH QuARRIES Awards
Peter Thomas, Nanette Paxman, Erin Huttenmeister	Overall Superior Quality Achiever 2020	2020 RBWH QuARRIES Awards
Peter Thomas, Nanette Paxman, Erin Huttenmeister	Translational Research Award	2020 Herston Health Symposium

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Amber Jones, Perry Judd , Michelle Cottrell , Anita Plaza , Andrea McKittrick	RBWH Physiotherapy & Occupational Therapy Departments.	RBWH OT/PT Led Burns Outpatient Telehealth Service	RBWH Executive	\$140,000	2019-2020
Elise Gane, Shaun O'Leary , Caroline Speksnijder	RBWH Physiotherapy	Neck rehabilitation after neck dissection for head and neck cancer: a pilot intervention study.	ANZHNCS Research Foundation Board	\$15,000	2020
Natasha Roberts (Cancer Care Services, RBWH), Leonie Naumann	Physiotherapy, Cancer Care	Nurse-led symptom management in medical oncology care	RBWH Foundation Diamond Care Grants 2019	\$39,027	2019-2020
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
Prudence Butler	Physiotherapy RBWH	Illness Representations and recovery outcomes after traumatic extremity injuries	RBWH Foundation Allied Health top up scholarship	\$8,000	2020
Prudence Butler	Physiotherapy RBWH	Illness Representations and recovery outcomes after traumatic extremity injuries	Research Training Program Government Scholarship	\$82,788	2019-2021
Prudence Butler	Physiotherapy RBWH	Injury perceptions and their association with pain-related disability and mental health symptom trajectories after traumatic extremity injuries: a longitudinal cohort study	RBWH Foundation Postgraduate Research Scholarship	\$36,211	To be used in 2022
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
Leonie Naumann , Jennifer Paratz , Hildegard Reul-Hirche , Michelle Cottrell , Clare Burns, Anna Finnane, Tracy Comans, Trevor Russell, Kirsty Quince	RBWH Physiotherapy & University of Queensland	A telehealth model for education and monitoring of early lymphoedema detection and shoulder dysfunction in patients after breast cancer surgery: a pilot cohort study	RBWH Foundation Diamond Care Grants 2019	\$12,816	2019-2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
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 Dept, RBWH	Physiotherapy defined scope of practice (prescribing) trial	Allied Health Professions Office of Queensland	\$40,124	2019-2020
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
Brett Parfitt, Peter Thomas	Physiotherapy	Single breath count test (SCBT) for the assessment of pulmonary function in adult chest trauma patients	2020 RBWH Physiotherapy Department Internal Grant	\$10,000	2020-2021
Estelle Corr, Michelle McGrath	Physiotherapy	The effect on treatment outcome as the result of a pre-treatment Three-Dimensional Gait Analysis (3DGA) in adults with a complex pathological gait	2020 RBWH Physiotherapy Department Internal Grant	\$4,697.50	2020-2021
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	2020-2021
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
Kyla Stableford	Physiotherapy	Exercise during and after cancer treatment	2020 RBWH Physiotherapy Department Internal Grant	\$6,402	2020-2021

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Angela Williamson	Physiotherapy	Evaluating the impact of a multi-disciplinary lower limb Spasticity Clinic on clinical/service outcomes and patient satisfaction	2020 RBWH Physiotherapy Department Internal Grant	\$10,026	2020-2021
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
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
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	20-21
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)
Janelle Heine	RBWH ETC	Low Back Pain in ED study	MN CAHRLI AH-TRIP	\$10,800	2020-2021
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
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
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 Foundation Project Grant	\$49,803	2021

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
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	\$49,346	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 2020	Total number of Patients Recruited (All sites)
Julie Adsett	John Atherton, David Fielding, Annabel Hickey, Alison Mudge	Yesterday, Today and Tomorrow. Heart failure and pulmonary rehab services response to COVID-19	11	11
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	3	3
Gemma Allinson	Leanne Hepnar, Lindsay Martin, Alice Beningfield, Brita Hughes, Amy Naumann, Kareen Stringer, Elizabeth Ryan, Ian Parker	Exploring and re-evaluating Physiotherapy Adherence to Clinical Guidelines for Stroke	7	7
Catherine Anderson	Anita Plaza, Michelle Cottrell, Julie Adsett	Risk Factors and Functional Outcomes of Burn survivors who experience delirium	0	324
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	0	438
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	2	13
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	70	70

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
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	0	0
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)	Unknown	1624
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
Michael Hockey	Elizabeth Ryan , Mahender Samtaini , Jerry Van De Pol, Peter Window	Do we meet the criteria? Implementing a best evidenced protocol for rehabilitation of patients following ACL reconstruction	0	0
Sarah Flanagan	Gary Mitchell, Shea Roffey, Janelle Heine	Adherence to clinical practice guidelines for low back pain presentations to the RBWH Emergency and Trauma Centre	208	208
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	0	0
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 (on hold due to COVID)	0
Marnie Macfie	Catherine Sharpe , Anita Plaza	Comparison of patient outcomes following SSG in burns patients managed in the outpatient versus inpatient setting	0	304
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 staff	109 patients; 66 AHP staff
Michelle McGrath	James Wood	The use of 3-dimensional gait analysis and its efficacy on the adult population – A Systematic review	N/A	N/A
Michelle McGrath	James Wood , Estelle Corr	Can Three-Dimensional Motion Analysis and Fuzzy entropy detect movement differences in General Movement Assessment Categories in the normative infant population?	0 (on hold due to COVID)	0 (on hold due to COVID)

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
Michelle McGrath	Estelle Corr	Typical progression of gait over the adult life span	0 (on hold due to COVID)	
Michelle McGrath	James Wood	A Pedobarograph study	0 (on hold due to COVID)	
Michelle McGrath	Estelle Corr , Venerina Johnston (RECOVER UQ), Esther Smits (RECOVER UQ), Peter Window	Gait Classification Following Traumatic Brain Injury	0 (on hold due to COVID)	
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.	Unknown	Unknown
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	751
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	0 (halted due to COVID)	0 (halted due to COVID)
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	10	55
Leonie Naumann	Hildegard Ruel-Hirche , Amanda Pigott (UQ), Jodie Nixon	Advanced lymphedema course quality evaluation	0	28
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?	0	100
Shaun O'Leary	Bill Vicenzino (UQ), Merrill Turpin (UQ)	Exploring the utility of the Feedback Action Planning Form in improving a student use of feedback in the clinical education setting	13	13
Ian Parker	Gretta Palmer (PAH), Leia Barnes (Logan), Tamsin Smith (GCUH).	An evaluation of the Allied Health Specialist Clinics – Vestibular Rehabilitation Services	0	Unknown
Ian Parker	Damian Caruana, Lindsay Martin, Alexandra Boughey, Merinda Rhodes, Brett Parfitt, Amy Naumann, Michelle Cottrell	Measuring physiotherapy intensity of practice for patients admitted to the RBWH Geriatric Assessment and Rehabilitation Unit: a service evaluation.	60	60

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
Jennifer Paratz	Rob Boots (Thoracic Medicine), Justin Kenardy (UQ CONROD), Fiona Coyer (RBWH & QUT Nursing), Peter Thomas , Tracy Comans (CAHR), Jack Iwashyna (University of Michigan), Ignacio Martin-Loaches (University of Dublin), Carol Hodgson (Monash University), Bernadette Bissett (Canberra University)	Improving the outcome of sepsis: RCT	0	30
Jennifer Paratz	Geetha Kayambu (national University Hospital, Singapore), Rob Boots (Thoracic Medicine)	i-perform - Early rehabilitation in sepsis	0	Unknown
Jennifer Paratz	Peter Thomas , Kellie Stockton (LCCH)	Saline installation in respiratory therapy in ICU, a crossover study	0	28
Jennifer Paratz	Rob Boots (Thoracic Medicine), Michael Muller (Surgery), Rajeev Hegde (ICU)	Inhalation and right heart failure in burns	0	22
Jennifer Paratz	Jason Roberts (UQ, Pharmacy), Michael Muller (Surgery), Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine), Orlando Flores (UQ Medicine)	Beta blocker therapy in burns: an RCT	0	10
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	26
Jennifer Paratz	Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine)	Exercise testing in the chronic critically ill	0	6
Jennifer Paratz	Jonny Younger (Cardiology), Cate Cameron (Jamieson Trauma Institute)	Mortality in burns survivors	Dataset: ~5,000	Dataset: ~5,000
Jennifer Paratz	Jonny Younger (Cardiology), Sanjoy Paul (QIMR), Kellie Stockton (LCCH)	Cardiovascular disease in burn survivors	0	52
Jennifer Paratz	Peter Thomas , Alice Jones, George Ntoumenopolous (SUT), Antonio Torres (University of Barcelona), Gianluigi (University of Barcelona)	Location & identification of secretion retention in ICU patients	0	300
Jennifer Paratz	Michael Muller (Surgery), Rob Boots (Thoracic Medicine)	Microcirculation as an endpoint to burn resuscitation	16	16
Jennifer Paratz	Peter Thomas , George Ntoumenopoulos, Bernie Bisset, Anthony Trojman, Julie Hides,	Utilizing diagnostic lung ultrasound vs traditional examination in COVID-19 patients in ICU – comparison of assessment strategies on survival and time on ventilation.	2	2
Jennifer Paratz	Peter Thomas , Rob Boots, Anthony Trojman, Julie Hides, Norm Morris	Morbidity post COVID-19 - investigation and a call to action	0	0

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
Brett Parfitt	Peter Thomas	Single breath count test for the assessment of pulmonary function in adult chest trauma patients	0	0
Nanette Paxman	Kye Grant (SCUH), Sharne Neill (Redcliffe), Katie Acland (St. Andrew's), Kirby Adams (Logan)	Tracheostomy State-wide surveyson	0	Unknown
Anita Plaza	Jennifer Paratz, Michelle Cottrell	Telehealth for the delivery of Physiotherapy exercise programs following burn injury	20	45
Anita Plaza	Jennifer Paratz , Prue McRae, Julie Adsett	Activity level of hospitalised patients following burn injury	19	19
Kirsty Quince	Leonie Naumann, Michelle Cottrell, Hildegard Ruel-Hirche , Kowsalya Murugappan (Centre for Breast Health, RBWH)	Incidence of lymphoedema following lymph node removal in the surgical treatment of breast cancer: a retrospective audit	254	254
Maree Raymer	Tracy Comans (UQ), Shaun O'Leary , Louise Mitchell, Peter Window	An evaluation of the variation in clinical and service related site characteristics of the state-wide Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multidisciplinary Service (N/OPSC & MDS) and Orthopaedic Screening in Primary Care (OSiP).	Dataset: 29,319	Dataset: 29,319
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), 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.	2020: 14 staff (focus groups)	2019: 72 patients
Megan Shipperley	Julie Adsett, Kermeen Kansara	Exploration of perceived barriers for referral to pulmonary rehabilitation at the Royal Brisbane and Women's Hospital	Staff: 17 Patients: 15	Staff: 17 Patients: 15
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	92	92
Christopher Smith	Andrew Statham, Jackson Savill, Shama Kulkani, Peter Window	Total Joint Clinical Pathway Review including Day of Surgery Mobilisation and Preadmission Optimisation	Unknown	Unknown
Kyla Stableford	Leonie Naumann, Kirsty Quince, Julie Adsett	Increasing exercise participation in the cancer care wards at Royal Brisbane and Women's Hospital	0 (on hold due to COVID)	0 (on hold due to COVID)
Raj Singh	Suzanne Kuys (ACU), Jennifer Paratz (RBWH)	Circuit training in GEMS patients an RCT	0	96

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
Raj Singh	Megan Shipperley Simone Leslie Isabella Prowse Peter Window	GEMS QI Project: A study of patient compliance with supervised home exercise programs on discharge from hospital and the effect this has on falls and hospital readmission rates	16	16
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	0	Unknown
Peter Thomas	Emily Daniel, Drew Bignell	Physiotherapy management of chest trauma	0	100
Peter Thomas	Jennifer Paratz	Ventilator Hyperinflation in ventilated patients	3	3
Peter Thomas	Jo Alexander, Gemma Baxter, Carol Cross, Melissa Elliot, Hayley Futch, Christopher Hall, Aimee Moore, Zoe Otto, Nanette Paxman, Liam Picard, Nicole Puetter, Harriet Sheahan, Peter Window	AWOL: Audit of Walking and mobility post-operative Orders Leading to delays in physiotherapy.	0	353
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	70	70
Sally Yin	Jennifer Paratz	Risk Factors for Readmission to the GEMS ward.	0	70
Scott Russell	Peter Window, Simon Whitehart	Does the use of videoconferencing in physiotherapy consultations of adult patients with haemophilia change clinical recommendations when compared to audi-conferencing?	Unknown	Unknown
Anglea Williamson	Brita Hughes , Kristen Petrovski, Michelle McGrath , Julia McLeod, Peter Window, Ian Parker	Evaluating the impact of a multi-disciplinary LL spasticity clinic on clinical and service outcomes and patient satisfaction	Unknown	Unknown
Peter Window	Shaun O'Leary, Maree Raymer , Steven McPhail, Bill Vicenzino	Choosing non-surgical multidisciplinary management of knee osteoarthritis in tertiary care wisely: prospective validation of a clinical prediction rule	75	75
Peter Window	Miriam Dillon , Scott Ruddell, Mary-Rita Lane, Perry Judd	OnTRACC - Optimising Treatment Adherence in Chronic Spinal Conditions	N/A	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 2020	Total number of Patients Recruited (All sites)
Alan Wan (UQ)	Shaun O'Leary	Movement evoked pain sensitivity in chronic spinal pain	0	100
Amber Jones (RBWH OT)	Perry Judd, Michelle Cottrell, Anita Plaza , Andrea McKittrick (RBWH OT), Angela Chang (CAHR), Clare Burns (RBWH SP)	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care.	2020: 0	Patients: 48 Staff: 57
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	140	210
Boden I (Launceston General Hospital)	Paxman N, Thomas P , multiple national and international co-investigators (CHESTY Collaborative)	CHESTY (CHEST infection prevalence after surgery): international multicentre observational trial	0	Unknown
De Looze J (Internal Medicine Services – IMS)	Mary Fenn, Charles Denaro (IMS), Keshwar Baboolal (IMS), Peter Buttrum (Allied Health), Peter Thomas , Robyn Fox (Centre for Clinical Nursing), Thea-Grace Collier (CMORE), Alison Mudge (IMS), Jeffrey Lipman (ICU), John Gowardman (ICU)	Patients of concern at the RBWH - a prospective cohort study to define patient outcomes and risk of clinical deterioration	0	Unknown
Fiona Coyer (Critical Care)	Jessica Ingleman (QUT), Anthony Holley (ICU), Peter Thomas , Greg McNamara (ICU), Chris Edwards (QUT)	Extreme II - Critically ill patient tissue reperfusion in two body positions and varied timed periods of load.	0	Unknown
Ian Parker (Physiotherapy)	Kate Stapleton (RBWH Audiology), Greta Palmer (PAH), Dr Ben Tsang (SCUH), Dr Elise Gane (PAH), Caroline Balke (MAH)	Vestibular substudy of Finding the Optimal Regimen for Mycobacterium abscessus Treatment (FORMAT) multi-centre trial	0	Unknown
Jerry van de Pol (Orthopaedics, RBWH)	Macy Lu, Marita Prior, Peter Jenvey, Michael Hockey	Randomized Controlled trial comparing Short vs Long graft ACL reconstruction.	18	68
Karyn Heiniger (CNC, RBWH TMS)	Nanette Paxman , Kathy Hocking, Prof Fiona Coyer	Identifying CON tributing factor S to tracheostomy stoma breakdown; A retrospective TRA cheostomy pressure IN jury audit in an adult Intensive care unit.	0	102
Kerina Denny (Gold Coast University Hospital)	Jennifer Paratz , David Paterson (Infectious Diseases), Jeff Lipman (ICU), Carl Pretorius (pathology), Joel Dulhunty (ICU)	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit	Unknown	Unknown
Mahender Samanti	Matthew Grundy, Catherine Chong, Michelle Cottrell	Evaluation of hand splinting service to the management of hand injuries presenting to the RBWH Emergency and Trauma Centre	0	173

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
Michael Muller (Burns)	Jennifer Paratz , David Reutens (UQ), Hana Burianova (UQ), Joel Dulhunty (ICU)	Burn prevention, an advertising campaign utilizing functional MRI	Unknown	Unknown
Michelle Stute (MNHHS)	Peter Buttrum (Allied Health), Merrilyn Banks (Nutrition and Dietetics), Maree Raymer , Tracey Comans (UQ), Sonia Sam (Allied Health), Nicole Moretto (Allied Health), Marita Bhagwat (Allied Health)	Allied Health Specialist Clinics Project	0	Dataset: 10,634
Olivia Galea (UQ)	Shaun O'Leary	The role of cervical musculoskeletal impairment in concussion	0	Unknown
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	0	0
Prue McRae (Internal Medicine Research Unit)	Esther Smits (UQ), Venerina Johnston (UQ), Alice Beningfield, Peter Window , Yizhou Wu (UQ Student)	Activity Levels in an Acute Hospital setting: Is behavioural Mapping comparable to Accelerometry?	0	19
Sandy Brauer (UQ, SHRS)	Jennifer Paratz	IMproving Physical ACTivity with Treadmill training following stroke: the stroke-IMPACT trial	0	140
Sue Berney (Austin Hospital),	Jennifer Paratz , Linda Denehy (University of Melbourne), Dale Needham (John Hopkins University, USA), Ramona Hopkins (Brigham Young University)	Estim cycle early rehabilitation in ICU: RCT	0	120
Carolyn Bontrup	Venerina Johnston, Shaun O'Leary , Remko Soer	Ageability in the ageing worker	20	20
Elise Gane (PAH)	Shaun O'Leary , Caroline Speksnijder	Neck rehabilitation after neck dissection for head and neck cancer: a pilot intervention study	0 (on hold due to COVID)	Unknown
Ann Holland (La Trobe University)	Kermeen Kansara (RBWH), Joanne Fuller	HomeBase2: An implementation trial to improve access to pulmonary rehabilitation in people with COPD	0	0
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
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
Carol Hodgson (ANZICS Research Centre, Monash University)	Peter Thomas , multiple Australian sites / collaborators	The COVID-Recovery Study	3	3

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020	Total number of Patients Recruited (All sites)
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
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

Research Publications

Journal Articles

- Moretto N, Stute M, **Sam S**, Bhagwat M, **Raymer M**, Buttrum P, Banks M, Comans T. (2020). A uniform data set for determining outcomes in allied health primary contact services in Australia. *Australian Journal of Primary Health*. doi: 10.1071/PY18104
- Jun D, Johnston V, McPhail SM, **O'Leary S**. (2020). A longitudinal evaluation of risk factors and interactions for the development of non-specific neck pain in office workers in two cultures. *Human Factors*. doi: 10.1177/0018720820904231
- Welch A, Healy G, Straker L, Comans T, **O'Leary S**, Melloh M, Sjogaard G, Pereira M, Chen X, Johnston V. (2020). Process evaluation of a workplace-based health promotion and exercise cluster-randomised trial to increase productivity and reduce neck pain in office workers: a RE-AIM approach. *BMC Public Health*. 20: 180. doi: 10.1186/s12889-020-8208-9
- O'Leary S**, Gale J, Volker G, Kuipers P, Dalton M, McPhail S. (2020) Fostering patient uptake of recommended health services and self-management strategies for musculoskeletal conditions: a Delphi study of clinician attributes. *Musculoskeletal Care*. doi: 10.1002/msc.1448.
- Cottrell M**, Russell T. Telehealth in musculoskeletal physiotherapy. *Musculoskeletal Science and Practice*. 2020.. doi: 10.1016/j.msksp.2020.102193
- O'Leary S, Raymer M, Window P**, et al. (2020). Patient characteristics associated with a poor response to non-surgical multidisciplinary management of knee osteoarthritis: a multisite prospective longitudinal study in an advanced practice physiotherapy led tertiary service. *BMJ Open*. 10:e037070. doi:10.1136/bmjopen-2020-037070.
- Holley A, Lipman J, Boots R, Lassig-Smith m, Dulhunty J, **Paratz J**. (2020). Early sequential microcirculation assessment in shocked patients as a predictor of outcome: a prospective observational cohort study. *Shock, Injury, Inflammation and Sepsis*. doi: 10.1097/SHK.0000000000001578.
- Boyd J, **Paratz J**, Tronstad O, Caruana L, Walsh J. (2020). Exercise is feasible in patients receiving vasoactive medication in a cardiac surgical intensive care unit: A prospective observational study. *Australian Critical Care*. 33(3):244-249. doi: 10.1016/j.aucc.2020.02.004.
- Marshall AP, Austin DE, Chamberlain D, Chapple LS, Cree M, Fetterplace K, Foster M, Freeman-Sanderson A, Fyfe R, Grealy BA, Hodak A, Holley A, Kruger P, Kucharski G, Pollock W, Ridley E, Stewart P, **Thomas P**, Torresia K, Williams L. (2020) A critical care pandemic staffing framework in Australia. *Australian Critical Care*. Volume 34, Issue 2, Pages 123-131
- Thomas P**, Baldwin C, Bissett B, Boden I, Gosselink R, Granger CL, Hodgson C, Jones AY, Kho ME, Moses R, Ntounenopoulos G, Parry SM, Patman S, van der Lee L. (2020). Physiotherapy management for COVID-19 in the acute hospital setting: clinical practice recommendations. *Journal of Physiotherapy*. 66(2):73-82.
- Stute M, Waters, **Raymer M, Sam S**, Bhagwat M, Banks M, Buttrum P, Comans T. (2020). Allied health primary contact services: Results of a 2-year follow up study of clinical effectiveness, safety, wait times and impact on medical specialist outpatient waitlists. *Australian Health Review*. doi: 10.1071/AH19225.
- Eley DE, **O'Leary S**, Young A, Buttrum P. (2020). Is Australia's Clinician Scientist capacity adequate for addressing the next pandemic? *Australian Health Review*. doi: 10.1071/AH20192.
- Wu Y, Smits EJ, **Window P, Beningfield A**, Johnston V, McRae P. (2020). Mobility levels of acute medical patients: Is behavioural mapping comparable to accelerometry? *Clinical Rehabilitation*. doi: 10.1177/0269215520970341.

Journal Articles

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14. **Shaun O'Leary; Maree Raymer; Peter Window; Patrick Swete Kelly; Darryl Lee; Linda Garsden; et al.** (2020). A multisite longitudinal evaluation of patient characteristics associated with a poor response to non-surgical multidisciplinary management of low back pain in an advanced practice physiotherapist-led tertiary service. *BMC Musculoskeletal Disorders*.21:807. doi: 10.1186/s12891-020-03839-5.
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Conference Presentations – Invited Speaker, Oral and Poster

Invited Speaker

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1. **Peter Thomas.** Physiotherapy and rehabilitation in COVID-19: optimising function. European and International Congress on Obesity. Online Conference 1-4 September 2020.
 2. **O'Leary S.** 'Mine the Gap' Symposium - Hosted by the Australian Osteoarthritis Summit and NHMRC Centre of Research Excellence, Online symposium, 14-15 October 2020.
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Oral Presentations

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1. **Quince K,** Incidence of lymphoedema following lymph node removal in the surgical treatment of breast cancer: a retrospective audit. ALA Conference, May 2020
 2. **Reul-Hirche H, Naumann L.** Evaluation of a new approach to delivering advanced lymphoedema training for 2020 and beyond. ALA Conference, May 2020.
 3. Perry N, Hayes T, Gavin N, Nakagaki M, Fichera R, **Naumann L**, Brennan J, Stewart C, Leutenegger J, Foley E, Crofton E, **Brown C**, Kennedy G. Developing a nurse-led allied health model of care for patients after allogeneic stem cell transplant: the outcomes from the first 6 months. CNSA Congress, June 2020.
 4. **Daly, L.** Respiratory physiotherapy is safe in the management of patients post airway stent insertion. 2020 COSA Annual Scientific Meeting: 11-13th November 2020.
 5. **Naumann L.** The establishment of a physiotherapy telehealth service for education and lymphoedema monitoring of patients after breast cancer surgery. 2020 COSA Annual Scientific Meeting: 11-13th November 2020.
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Poster Presentations

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1. **Naumann L.** The establishment of a physiotherapy telehealth service for education and lymphoedema monitoring of patients after breast cancer surgery, ALA Conference, May 2020.
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Department of Psychology

In 2020, the RBWH psychology department focused on exploring external partnerships and strengthening university relationships. Several new university collaborations were developed and many staff members either completed their post graduate training or were invited to provide supervision to students completing their postgraduate degrees. While Covid had an impact on many planned research projects this year, the department has still managed to continue its varied research projects in neurology, geriatric rehabilitation, general rehabilitation, orthopaedics, stroke, epilepsy, neonatology, staff health, and surgery. Covid has also provided some new opportunities and has led to the development of new digital resources in the department along with several research opportunities derived from this. It is envisaged that 2021 will see further developments of productive research in this digital space.

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 2020
Ada Lo	Kate Thompson, Elisabeth Hamernik, Angela White.	Evaluation of neuropsychology service for acute stroke patients - clot retrieval	5
Ada Lo	Harriet Bodimeade , Stephanie Jessup (SW) Emmaline Falconer	Validating anxiety and mood screening tools in stroke patients	29
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	
Scott Ruddell	Bonnie Clough (GU), Angela White , Tamara Ownsworth, Leanne Casey (GU), Mala McHale, Andrew Craker, Elisabeth Hamernik	Improving Outcomes of Videoconference Psychotherapy for Patients with Chronic Spinal Pain: The Impact of Illness Beliefs	
Vanessa Whitehead and Rosemary Argall	Angela White , Nancy Pachana (UQ)	Understanding anxiety in geriatric inpatients	
Sharpley Hsieh	Genevieve Dingle (UQ), Rosemary Argall, Robert Davidson (UQ), Vanessa Whitehead	Group Singing in the Geriatric Evaluation and Management (GEM) Unit	
Emmaline Falconer	Hannah McGlashan, Sharpley Hsieh, Angela White	Enhancing Neuropsychological and Cognitive Rehabilitation Using Innovative Digital Resources in a Public Hospital Subacute Rehabilitation Service	
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	
Dr Mala McHale and Clare Pekin	Dr Esben Strodl	Service Evaluation of Psychology Outcomes in People with Type 2 Diabetes Seeking Bariatric Surgery	

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 2020
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	
Haryana Dhillon (University of Sydney), Joanne Shaw (University of Sydney), David Kissane (Monash University), Danette Langbecker (University of Queensland), Kim Hobbs (Westmead Hospital), Laura Kirsten (Nepean Cancer Care Centre), Lisa Beatty (Flinders Centre for Innovation in Cancer), Lisa Vaccaro (University of Sydney), Carrie Lethborg (St Vincent's Hospital, Melbourne)	Maree Grier	Adjustment Working Group for the PoCoG Transforming Psychosocial Care of Patients in Australia: Implementation of a Comprehensive Training and Service Delivery Program	
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	3
Jenna Scambler (UQ), , Alan Pegna (UQ)	Kate Thompson	The effects of temporal lobectomy on electrical brain potential in response to emotional stimuli	5
Maryam Ziaei (UQ), David Reutens (UQ and RBWH Neurology)	Kate Thompson	Social-cognitive functioning among patients with epilepsy	
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)	
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.	5
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).	5

Department of Rehabilitation Engineering, Orthotics and Prosthetics

Despite the many challenges of 2020 the Rehabilitation Engineering and Orthotic and Prosthetic teams continued to make progress in their emerging research journeys. Both departments have been focusing on developing the skills and supports in the teams to increase both the quality and quantity of research undertaken in the teams.

The Jamieson Trauma Institute funded rehabilitation engineering lead project to investigate using advanced manufacturing technologies to fabricate custom seat cushions was successfully completed and demonstrated promising results. The project resulted in a paper submission and follow up grant application aimed at continuing this exciting work.

Dr. Stephanie Fountain was also successful in receiving AHTRIP funding to progress research in outcome measurement in rehabilitation engineering.

Rehabilitation Engineering and Orthotics and Prosthetics staff were both active in grant applications to several funding bodies.

Orthotics and Prosthetics continues to develop a range of research questions related to current practice and to support expanding services

Unfortunately, with so many events impacted by restrictions this year, the normal opportunities to present outcomes and progress at conferences were not available. We are hoping for a big 2021!

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Peter Slattery, Oliver Mason, Kristen Morris (MASS), Sean Powell (QUT), David Forrestal (QUT), Shailendra Maharaj (QCH), Carey Bayliss (PAH), Paige Little (QUT)	Rehabilitation Engineer, QUT Biofabrication, Medical Aids Subsidy Scheme, QCH, Spinal Outreach Team and Brisbane Spinal Research Group (QUT)	Personalised 3D printed reactive cushions for pressure wound management	Jamieson Trauma Institute	\$50,145	2020
Dr Stephanie Fountain	Rehabilitation Engineering	Outcome Measurement in Rehabilitation Engineering	CAHRLI – AHTRIP	\$4500	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 2020
Dr Stephanie Fountain (RE)	Oliver Mason (RE), Peter Slattery (RE&O&P), Angela Chang (AHP Research), Adrienne Young (AHP Research)	Outcome Measurement in Rehabilitation Engineering	
Andrew MacDonald (O&P)	Jessica Angus (O&P), Helen McDonald (O&P), Peter Slattery (RE&O&P), Angela Chang (AHP Research), Adrienne Young (AHP Research)	Orthotic insole management for the prevention of foot ulcers in at risk diabetic patients	
Peter Slattery (RE)	Oliver Mason, Kristen Morris (MASS), Sean Powell (QUT), David Forrestal (QUT), Shailendra Maharaj (QCH), Carey Bayliss (PAH), Paige Little (QUT)	Personalised 3D printed reactive cushions for pressure wound management	

Department of Social Work

Highlights of 2020 include:

- ❖ The successful implementation and evaluation of a preadmission social work model of care, which was selected for presentation at the Queensland Health AH-TRIP Virtual Showcase in December.
- ❖ An ongoing collaboration with Griffith University and Women's and Newborn Services to promote men-inclusive maternity services, which included investigating men's experiences of attending RBWH Maternity Services. The project team interviewed over 40 men and will use the findings to inform the development of strategies for creating a more inclusive environment for fathers attending Maternity Services.
- ❖ Collaborating with the University of Queensland on a project to address elder abuse, which culminated in the awarding of an Australian Research Council Discovery grant to develop more effective social work interventions to break the cycle of abuse. The study will take place over three years and, importantly, will include the voices of older people who have been abused.

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
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, TPC; Dept of Speech Pathology, TPC; Dept of Social Work, RBWH	From conflict to collaboration: A simulated interprofessional learning lab for new graduates	CAHRLI Innovation Challenge 2020-21	\$6,705	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 2020
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	
James Ready	Alex Markwell (ETC)	Staff Debriefing in the Emergency and Trauma Centre: Using Debriefing as a tool to promote wellbeing, reflection and learning	
Mary Brown		Evaluation of the Sexual Assault Response Team (SART) Service	

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Anne de Ruiter		Implementation of Preadmission Social Work Model of Care: Context assessment and evaluation of service outcomes, including patient satisfaction	
Amanda Masters	Anne De Ruiter, Gai Harrison, Sandy Jamieson (Nursing)	Developing a model of care to address elder abuse at RBWH	

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 2020
Thomas Torpie (GCUH)	James Ready , James Hughes (Nursing)	Domestic and Family Violence Screening in the Emergency Department: Who's doing it? How are they doing it? How often?	
Dr Neil Widdicombe (RBWH ICU)	Professor Kevin Laupland (QUT), Professor Fiona Coyer (QUT), Dr Shane Townsend Director Intensive Care Services Royal Brisbane Women's Hospital (Intensive Care Services), Ms Angela OMalia Director of Social Work Services RBWH, Ms Tina Coco Manager Donate Life Queensland	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	
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), Roslyn 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

Journal Articles

1. **Fox S, Lewis G.** Life after head and neck cancer: Navigating the years ahead. Australian Social Work. Published online: 20 Jan 2020. DOI: [10.1080/0312407X.2019.1696847](https://doi.org/10.1080/0312407X.2019.1696847)
 2. Davidson D, **Harrison G.** Heard but not seen: Exploring youth counsellors' experiences of telephone counselling, Aotearoa New Zealand Social Work. 2020;32(1):72-85.
 3. **Lewis, G.** Suffering, social work and the old masters. Qualitative Social Work. Published online: 17 November 2020. DOI: <https://doi.org/10.1177/1473325020973347>
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Department of Speech Pathology and Audiology

The Speech Pathology and Audiology Department has continued to progress and expand their clinical research programs throughout 2020. Speech pathology research focuses on clinical care and service models to enhance the provision of swallowing and communication intervention across cancer care, acute and critical care, stroke, neurology, and neurorehabilitation. The Audiology program encompasses research examining cochlear implant surgery and hearing and ear-health in First Nations People. Our departments are dedicated to embedding research into clinical services, expanding the evidence base for clinical practice, and research translation.

We have continued to grow our collaborations and value our research partnerships with UQCCR, UQ School of Health and Rehabilitation Sciences, RECOVER Injury Research Group and QUT. The establishment of the Queensland Aphasia Rehabilitation Centre, as a key clinical research centre within the Surgical Treatment and Rehabilitation Service, has facilitated new research collaborations which will see the development and evaluation of new treatments and service models to enhance the delivery of post-stroke aphasia care.

Speech Pathology Department research highlights for 2020 include -

- ❖ Dr Laura Moroney and Dr Leisa Turkington had their degrees conferred by The University of Queensland
- ❖ Dr Clare Burns received Highly Commended in the Rising Star category at the Metro North HHS Research Excellence Awards
- ❖ Continued supervision of research higher degree students including 4 department staff - Penni Burfein, Ellie Minchell, Shana Taubert, Sarah Wilson who are supported by RBWH Post Graduate Research Scholarships
- ❖ New innovative research projects commenced in collaboration with academic and clinical service partners including the implementation of a new intensive aphasia treatment model, examining return to work for stroke survivors with aphasia, development of an intra-operative language testing battery for patients with brain tumours, evaluation of a mobile application for swallowing rehabilitation, and the development of a virtual reality tool for the treatment of communication disorders.
- ❖ Dissemination of speech pathology telepractice research and service models supported the delivery of clinical care during COVID-19 through a series of invited international webinars and recorded webisodes for Speech Pathology Australia by Dr Clare Burns & Professor Liz Ward, and collaboration with RBWH Allied Health Departments to establish, expand and evaluate telepractice services.

Audiology Department research highlights for 2020 include -

Leading PhD research being conducted by Alice Pender is examining hearing loss in Aboriginal and Torres Strait Islander adults. Her studies include a scoping systematic review to examine current research in the field; a qualitative study on the attitudes, knowledge, and experiences of hearing loss in Aboriginal and Torres Strait Islander adults and health professionals; and the examination of the rates of self-reported hearing loss and follow-up. The outcomes from these studies will inform future research to improve the management of hearing loss in Aboriginal and Torres Strait Islander adults.

Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
Clare Burns	Rising Star – Highly commended	Metro North HHS Research Excellence Awards, 29 th October 2020

Research Grants Awarded in 2020

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Alice Pender	Audiology	Hearing and Hearing loss in Aboriginal and Torres Strait Islander adults – knowledge, perspectives, and attitudes.	CRE-IHEAR	\$5000	2021
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	\$43,000	2019-2022
Nadia de Silva, Lindy Jeffree, David Copland	Speech Pathology, Neurosurgery RBWH, UQCCR	Development of an innovative intra-operative language testing battery for patients with brain tumours	RBWH Diamond Care Grant	\$28,202.50	2020
Penni Burfein	Speech Pathology	Return to work for stroke survivors with aphasia	RBWH Foundation Postgraduate Scholarships	\$38,082.52	2020
Shana Taubert	Speech Pathology	Enhancing practice in videofluoroscopic swallow study assessment	RBWH Foundation Postgraduate Scholarships	\$38,082.52	2020
Sarah Wilson	Speech Pathology	Examination of dysphagia following laryngectomy	RBWH Foundation Postgraduate Scholarships	\$38,082.52	2020
Clare Burns, Liz Ward, Gaenor Dixon, Michelle Slee, Lynell Bassett, Bernadette Dutton, Nicky Graham, Laurelie Wishart, Annie Hill, Madeline Raatz	Speech Pathology	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
Clare Burns, Atiyeh Vaezipour, Natalie Hickey, Penni Burfein, Anna Farrell, Deborah Theorodos, David Copland,	Speech Pathology, Recover Research Centre (UQ), UQCCR	Co-design, development and evaluation of an immersive virtual reality tool for individuals with communication disorders	RBWH Foundation	\$39,797	2020-2021

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded	Year/s
Marissa Ryan, Christine Carrington, Liz Ward, Clare Burns , Centaine Snoswell, Mhairi Mackinnon	Pharmacy PAH, Cancer Care PAH, CFAHR MSHHS, UQ, Speech Pathology, RBWH	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

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 2020
Carla Rose	Lynell Bassett (Speech Pathology), Dr Sharon Kelly (ENT)	Evaluation of the First Contact Audiology Clinics	NA
Alice Pender	Carla Rose (Audiology), Angela Chang (CAHRLI), Tracy Comans (UQ and CAHR)	Patient outcomes following cochlear implant surgery	NA
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, Metro South), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute)	Self-reported hearing loss and follow-up care of Aboriginal and Torres Strait Islander adults in an urban setting	NA
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, Metro South), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute)	Hearing and ear-health in Aboriginal and Torres Strait Islander people aged 15 years and over: A scoping review	NA
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, MetroSouth), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute), Claudette Tyson (MSSHHS)	Hearing and Hearing loss in Aboriginal and Torres Strait Islander adults – knowledge, perspectives, and attitudes.	0
Anna Farrell	Anna Rumbach (UQ), Stacey Verner-Wren (TPCH), Rebecca Nund (UQ), Nerina Scarinci (UQ), Nicole Hutchinson (Neurology), Robert Henderson (Neurology), Pamela McCombe (Neurology)	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations	0
Clare Burns	Liz Ward (CFAHR MSHHS, 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
Clare Burns	Liz Ward (CFAHR MSHHS, 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
Clare Burns	Liz Ward (CFAHR MSHHS, UQ), Jasmine Foley (UQ), Rebecca Nund (UQ), Laurelie Wall (CFAHR MSHHS, UQ), Dr Maurice Stevens (ENT), Dr Lizbeth Kenny (Cancer Care)	Understanding the Regional and Remote Head and Neck Cancer (HNC) Patient Services Journey	93

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Clare Burns	Liz Ward (CFAHR MSHHS, 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
Clare Burns	Annie Hill (UQ), Liz Ward (CFAHR MSHHS, 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	10
Clare Burns	Annie Hill (UQ), Liz Ward (CFAHR MSHHS, UQ), Sanjeewa Kularatna (AusHSI QUT)	Pilot trial of an integrated speech pathology telepractice service for dysphagia rehabilitation.	6
Lynell Bassett	Jennifer Helios	Evaluation of the First Contact Dysphagia Clinic	N/A
Nadia de Silva	David Copland (UQ), Emma Finch (UQ), Lindy Jeffree (Neurosurgery), Katie McMahon (UQCCR), Anna Farrell	Implementation of innovative intra-operative language testing battery for patients with brain tumours at RBWH	0
Shana Taubert	Clare Burns, Lynell Bassett , Liz Ward (CFAHR MSHHS, UQ)	Videofluoroscopic Swallow Study referral processes at RBWH	N/A
Shana Taubert & Clare Burns	Liz Ward (CFAHR MSHHS, UQ), Kellie McCarthy (PAH), Nicky Graham (QCHS)	Evaluating an e-Learning program for training in Adult MBS assessment	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 2020
David Copland (UQ)	Tracy Roxbury (UQ), Katie McMahon (UQ), Greig de Zubizaray (QUT), Marcus Meinzer (UQ), Penni Burfein, Anna Farrell (Speech Pathology) , Andrew Wong (Stroke)	Predicting and Promoting Sub-Acute Aphasia Recovery	N/A
Deborah Theodoros (UQ), Brooke-Mai Whelan (UQ), Louise Cahill (UQ), David Copland (UQ), Alan Coulthard (UQ), Elizabeth Cardell (Griffith), Adam Vogel (University of Melbourne), Stacie Park (ACU), Katie McMahon (HIRF)	Anna Farrell (Speech Pathology)	Be Clear Online: An intensive speech treatment for adults with non-progressive dysarthria	N/A
David Copland (UQ), Jade Dignam (UQ), Sarah Wallace (UQ), Annie Hill (UQ), Brooke Ryan (UQ), Kirstine Shrubsole (SCU)	Anna Farrell (Speech Pathology) Penni Burfein (Speech Pathology) , Kana Apparurai (GARU)	Clinical implementation of a Comprehensive High-dose Aphasia Treatment (CHAT) program: A feasibility study.	4
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	10

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Sarah Wallace (UQ)	David Copland (UQ), Stephen Birch (UQ), Tanya Rose (UQ), Anna Farrell (Speech Pathology) Penni Burfein (Speech Pathology) , Celia Woolf (City University, London), Madeline Cruice (City University, London), Megan Isaacs (UQ)	The health and economic value of a speech pathology student placement delivering technology-enhanced treatment for aphasia	N/A
Linda Worrall (UQ), David Copland (UQ)	Penni Burfein (Speech Pathology) , Anna Farrell (Speech Pathology) , Melissa Lawrie (GCHHS), Liz Ward (CFAHR MSHHS, UQ), Moya Pattie (Wesley)	Can a new, intensive model of aphasia rehabilitation achieve better outcomes than usual care? (NHMRC LIFT)	N/A
Salma Charania (TPCH), Anna Rumbach (UQ),	Anna Farrell (Speech Pathology) , Robert Henderson (Neurology), Nicole Hutchinson (Neurology), Petrea Cornwell (Griffith), Rebecca Nund (UQ)	A year in the life: The impact of changes in communication for a person with MND and their family and friends	0
Theresa Green (RBWH & QUT)	Bernd Ploderer (QUT), Tara Hormann (RBWH), Anna Farrell (Speech Pathology)	An image-based tablet app to support communication of daily activity scheduling between patients with post-stroke aphasia, family and hospital staff	5
Amber Jones (RBWH OT)	Perry Judd, Michelle Cottrell Anita Plaza (Physiotherapy), Clare Burns (Speech Pathology) Andrea McKittrick (Occupational Therapy) Angela Chang (CAHRLI), Hannah Carter (QUT)	The Royal Brisbane and Women's Hospital Allied Health TeleBurns Clinic: An implementation evaluation using the REAIM approach	140
Amber Jones (RBWH OT)	Perry Judd (Physiotherapy), Michelle Cottrell (Physiotherapy), Clare Burns (Speech Pathology) Anita Plaza (Physiotherapy) Andrea McKittrick (Occupational Therapy) Angela Chang (AHP)	Exploration of healthcare provider and patients views towards the implementation of an Allied Health-led TeleBurns Model of Care.	105
Jasmine Jones (UQ),	Liz Ward (CFAHR MSHHS, 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	26
Marissa Ryan (PAH),	Christine Carrington (PAH), Liz Ward CFAHR MSHHS, UQ), Clare Burns (Speech Pathology) , Centaine Snoswell (UQ), Mhairi Mackinnon (PAH)	Development, implementation and evaluation of a Cancer Pharmacy Service for adult patients at the Princess Alexandra Hospital	91
Amber Jones (Occupational Therapy)	Clare Burns (Speech Pathology) Liz Ward (CFAHR MSHHS, UQ)	Developing a telehealth model for the delivery of Occupational Therapy burn care	27

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
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	175
Laurie Wennenholt (USA)	JK Rasamny (USA), Craig Berzofsky (USA), Gina Palma (USA), Liz Ward (CFAHR MSHHS, UQ), Clare Burns (Speech Pathology) , Jasmine Foley (UQ)	Laryngectomy care pathways: Examining patient and clinician perspectives	27
Liz Ward (CFAHR MSHHS, UQ)	Laurie Wennenholt (USA), Clare Burns (Speech Pathology)	Examining international laryngectomy care during the COVID-19 pandemic: Informing a consensus-driven pathway for speech language pathology management.	N/A

Research Activity With a Specific Focus on First Nations People

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2020
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, Metro South), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute)	Self-reported hearing loss and follow-up care of Aboriginal and Torres Strait Islander adults in an urban setting	
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, Metro South), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute)	Hearing and ear-health in Aboriginal and Torres Strait Islander people aged 15 years and over: A scoping review	
Alice Pender	Deborah Askew (UQ) Geoff Spurling (UQ, Metro South), Wayne Wilson (UQ), Philip Schluter (University of Canterbury), Roxanne Bainbridge (Cairns Institute) Claudette Tyson (MSSHS)	Hearing and Hearing loss in Aboriginal and Torres Strait Islander adults – knowledge, perspectives, and attitudes.	

Research Publications

Journal Articles

1. **Burns, C.**, Wishart, L., Kularatna, S. & Ward, E. (2020). Knowing the costs of change: An introduction to health economic analyses and considerations for their use in implementation research, *Speech, Language and Hearing*, 23(1), 30-36. DOI: 10.1080/2050571X.2019.1693750
2. Rohde, A., Worrall, L., O'Halloran, Godecke, E., **Farrell, A.** (2020). Development and validation of the Brisbane EBLT (Brisbane Evidence-Based Language Test) diagnostic aphasia test for acute stroke patients: Observational multicentre study. *Disability and Rehabilitation* DOI: [10.1080/09638288.2020.1773547](https://doi.org/10.1080/09638288.2020.1773547)
3. Rohde, A., Worrall, L., O'Halloran, Godecke, E., Doi, S., **Farrell, A.** (2020). Inter-rater reliability, intra-rater reliability and internal consistency of the Brisbane Evidence-Based Language Test, Brisbane EBLT. *Disability and Rehabilitation*. DOI: 10.1080/09638288.2020.1776774.

Journal Articles

4. **Heaton, S., Farrell, A. & Bassett, L.** (2020). Implementation of hospital wide dysphagia screening in a large acute tertiary teaching hospital, *International Journal of Speech-Language Pathology*, 22(1), 95-105, DOI: [10.1080/17549507.2019.1597922](https://doi.org/10.1080/17549507.2019.1597922)
5. **Taubert, S.T., Burns, C.L.,** Ward, E.C., McCarthy, K.A., Graham, N. (2020). Speech-language pathology managers' perceptions of a videofluoroscopic swallow study eLearning programme to support training and service delivery. *International Journal of Speech-Language Pathology*. DOI: [10.1080/17549507.2020.1726465](https://doi.org/10.1080/17549507.2020.1726465)
6. Freeman-Sanderson A, Ward EC, Miles A, de Pedro Netto I, Duncan S, Inamoto Y, McRae J, Pillay N, Skoretz SA, Walshe M, Brodsky MB, On behalf of the COVID-19 SLP Global Group (including **Baker, S. & Burns, C.L.**) (2020). A consensus statement for the management and rehabilitation of communication and swallowing function in the ICU: A global response to COVID-19, *Archives of Physical Medicine and Rehabilitation*. doi: <https://doi.org/10.1016/j.apmr.2020.10.113>.

Book Chapters / Letters

1. Messing, B.P., **Burns C.**, Wishart, L., Brown B., Swallowing function and implications in Head and Neck Cancer. In Editors P Flint Eds. *Cummings Otolaryngology Head and Neck Surgery* pp. 1466-1474. Elsevier.

Conference Presentations – Invited Speaker, Oral and Poster

Invited Speaker

1. **Burns C.L.** Speech pathology telepractice models of care. Advancing rehabilitation service delivery in WA through telehealth & technology, March 2020
2. **Burns C.L.** I just called to say... All About Telehealth. Swallowing Training and Education Portal: Swallowing Symposium, December 2020
3. **Burns C.L.** Post graduate Research Conference, School of Health and Rehabilitation Sciences, The University of Queensland, November 2020

Poster Presentations

1. Raatz, M.K., Ward, E.C., Marshall, J., **Burns C.L.** Conducting assessment paediatric cup drinking and/or solid feeding via telepractice: A validation study. Dysphagia Research Society, March 2020
2. Naumann, L., Reul-Hirche, H., **Burns, C.L.** Quince, K., Finnane, A., Comans T., Russell, T., Paratz, J., Cottrell, M. The establishment of a physiotherapy telehealth service for education and lymphoedema monitoring of patients after breast cancer surgery. Australian Lymphoedema Association Conference, June 2020
3. **Burfein, P., DeSilva, N.**, Roxbury, T., Copland, D., Return to work in stroke survivors with aphasia – A preliminary scoping review, RBWH Research Symposium, December 2020
4. **Taubert, S., Burns, C.L.,** Ward, E.C., Bassett, L. Implementation and evaluation of speech pathology medical imaging referring model. RBWH Research Symposium, December 2020