

**Metro South**  
Health | Bayside Health Service

# Annual Research Report 2020

*We care about you*



**Queensland**  
Government



## Message from the Chair

2020 has been an exciting year for research at Bayside Health.

In early 2020, Bayside Health Service recruited an Academic Research Manager to help with building the research profile of Bayside Health. This first year of this role has been a great success with engagement and interest in research activities increasing across the hospital despite the challenges of COVID-19.

Bayside Health's Research Advisory Group met four times in 2020 and were able to discuss and approved 20 Site Specific Approvals for research at Redland Hospital. We were excited to see the number of approvals from Bayside-led research increase from 0 in 2019 to 6 in 2020. The Group organised research events throughout the year including our second Research Grand Rounds and our Inaugural Research Showcase Day. The Research Showcase Day was attended by more than 100 people in-person and online and was a highly praised event by both Bayside staff and staff from other facilities. This event highlighted and encouraged local research and will become part of the annual research events calendar in 2021.

I would like to thank all members of the Research Advisory Group for their hard work and dedication throughout the year. We are proud of our progress this year and look forward to further work towards building research at Bayside Health in 2021.

Dr. Salih Salih

**Consultant Geriatrician**

M.B.Ch.B FRACP MPH



## 2020 Research Advisory Group Members

Dr Salih Salih (Chair)	Senior Lecturer and Consultant Geriatrician
Sarah Fulton (Deputy Chair, August 2020 - present)	Senior Speech Pathologist
Tania Quaglio (Deputy Chair, January-July 2020)	Director of Speech Pathology
Dr Elizabeth McCourt (Secretariat)	Academic Research Manager
Kim Meers	Library Manager
Tracey Millichamp	CNC, Redland Emergency Department
Donna McLean	Nursing Director Nursing & Midwifery Practice Development Unit, Logan Hospital
Sonia Hancock	Manager, Research Integrity and Compliance
Cecile Jesse	Clinical Nurse, Redland Emergency Department
Dr. Rachel Stoney	Director Nutrition and Dietetics
Gail Gordan	Director of Allied Health
Ashlea McCarron	Clinical Pharmacist, Redland Hospital
Dr. Amy Johnston	Research Fellow of Emergency Care, PA Hospital
Rebecca Judd	Medical Education Representative
Dr David Lie	Clinical Director, Older Adult Mental Health Services
Marilla Fraser	Director HIMS Redland

## 2020 Grand Rounds Organising Committee

Dr Salih Salih  
Dr Elizabeth McCourt  
Tania Quaglio  
Kim Meers

## 2020 Research Showcase Day Organising Committee

Dr Salih Salih  
Dr Elizabeth McCourt  
Tania Quaglio  
Kim Meers  
Rebecca Judd  
Terri Smith

## Academic Research Manager

In early 2020, Bayside Health appointed Dr Elizabeth McCourt as the Academic Research Manager (0.8FTE) onsite. Dr McCourt is a pharmacist by background and completed her PhD at Queensland University of Technology in 2019. Her research interests lie in disaster management, public health, and medication management.

The aim of the Academic Research Manager role has been to provide onsite support and education for research to improve research culture and increase research capability and capacity. The Academic Research Manager has undertaken the following activities throughout the year:



Dr. Elizabeth McCourt

- Providing guidance and advice on the ethics and governance process
- Assisting with developing research ideas
- Providing advice on appropriate research methods
- Assistance with data analysis
- Education and training on research related topics
- Proofreading and editing conference abstracts, paper submissions, and research reports
- Assistance with developing dissemination plans and organising meetings with key stakeholders
- Secretarial support for Research Advisory Group
- Lead organiser for Inaugural Research Showcase Day
- Organising committee member for Research Grand Rounds

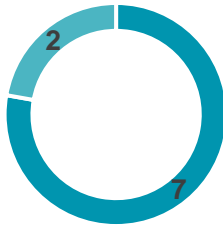
In 2020, the Research Manager has connected with more than 150 individuals at Bayside Health to answer research questions, assist with projects, and provide support for researchers. Towards the end of 2020 feedback on the Research Manager role was sought from those who had engaged in the service throughout the year. Satisfaction for the role was very high with clinicians overall rating their satisfaction as 4.9 out of 5 stars. Researchers provided overwhelmingly positive comments for the role and Dr McCourt's assistance with progressing work. Many comments focused on Dr McCourt's approachability, knowledge, and enthusiasm for research and how the role of Academic Research Manager removed barriers to research and made research more accessible at Bayside Health.

Funding for this position will continue in 2021.

## Ethical Approvals

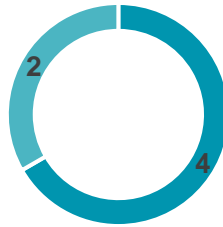
Support from the onsite Academic Research Manager in 2020 improved the initiation of Redland Led projects being submitted for ethics exemption, negligible risk review, and full HREC review.

Ethics exemptions



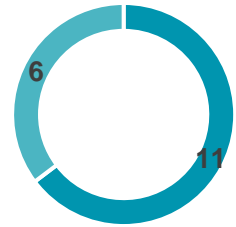
■ Redland Led ■ Other lead

Negligible Risk



■ Redland Led ■ Other lead

Full HREC

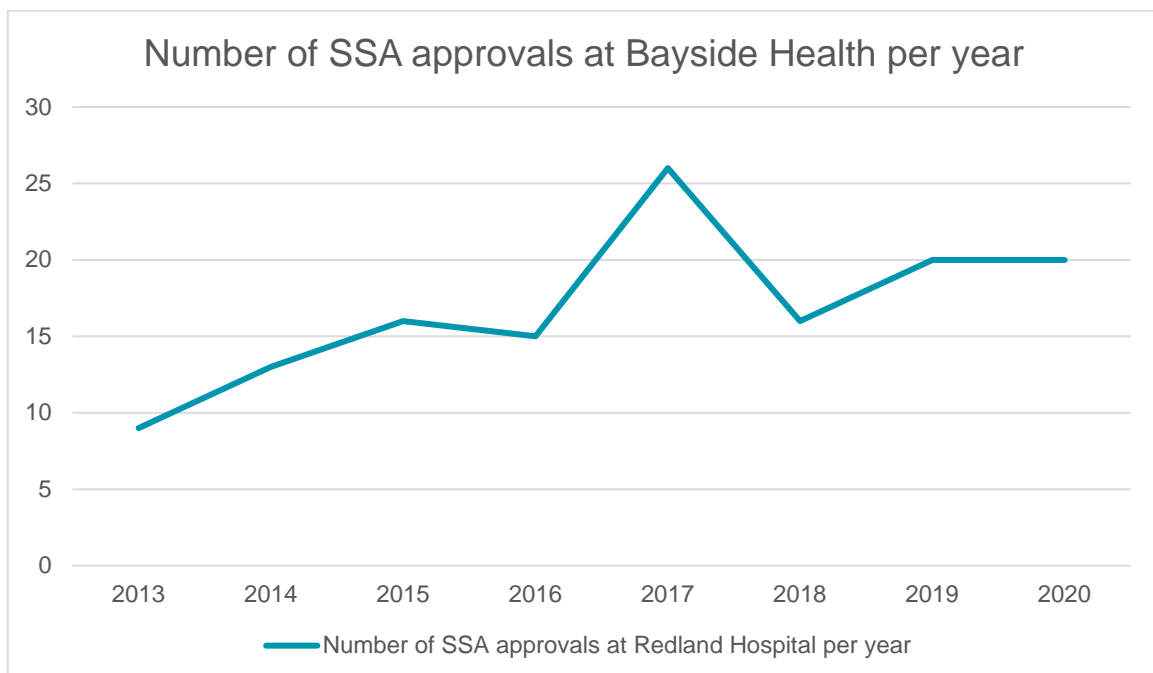


■ Redland Led ■ Other lead

## Governance Approvals

In 2020 there were 20 SSA approved for Bayside Health, this was consistent with the previous year. Despite numbers of SSAs remaining the same, there was a higher percentage of SSA applications that originated from Bayside Health Staff in 2020 compared to 2019. In 2019, 0% (n=0) SSA applications were from projects led by Bayside Health staff. In 2020, this figure increased in 30% (n=6).

With the Academic Research Manager providing support for the review, processing, and signing of SSA applications the average wait time from receipt of SSA from a researcher to the signed approval being sent back reduced from 14 business days in 2019 to 5 business days in 2020. At the start of 2020, the Research Advisory Groups aim was to have SSA applications processed within 7 – 10 business days.



## Grant Applications

In 2019, there were no Redland-led applications submitted for Metro South's Research Support Scheme (MS RSS). In 2020, 7 Bayside-led applications were submitted for this scheme with two Bayside-led applications being successful and another under consideration for a second funding round (currently under review).

### Metro South Research Support Scheme (MS RSS)

- A feasibility randomised controlled trial of three contrasting interventions for recovery of post-natal diastasis rectus abdominis (Redland CI – Dr Tanja Miokovic (Physio)) - **successful**
- The impact of the digital hospital on delirium identification and management (Redland CI – Tania Quaglio (Speech Pathology)) – **successful for second round funding**
- Hospital Acquired Malnutrition in Metro South Health – Prevalence, Experiences of patients, and Readmission rates over three years: The HAMPER study (Redland Contribution: Rachel Stoney (Nutrition and Dietetics)) – **successful for second round funding**
- Evaluating the service outcomes of occupational therapy prescribed sensory modulation interventions to manage behavioural and psychological symptoms of dementia in an acute ward setting (CI – Amanda Parker (OT))
- Investigating and mapping the disaster preparedness of pharmacists and people with chronic diseases across two Hospital and Health Services (CI – Dr Elizabeth McCourt)
- Assessing the Impact of Paediatric Diabetes Management Moving from a Tertiary Healthcare Service to a Regional Healthcare Service (CI – Natasha Mitchell (Paediatric Nurse))
- Differences in clients who develop in-home or community-based goals in a Transition Care Program: a retrospective cohort study (CI – Dr Salih Salih)
- A randomised controlled non-inferiority trial comparing telehealth to conventional in-person management of pregnancy related pelvic girdle pain (CI - Dr. Tanja Miokovic (Physio))

### HP Research Support Scheme

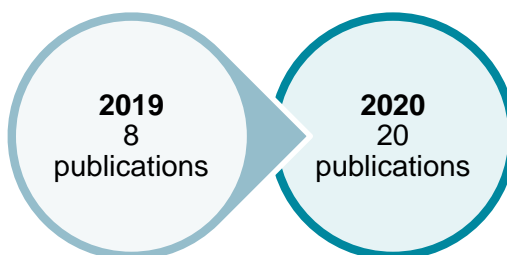
- Enhancing the health practitioner role in providing high value inter-disciplinary care to patients who have delirium (CI – Tania Quaglio (SP))

### Emergency Medicine Foundation

- Virtual Care for patients with COVID-19: an evaluation of the impact of a virtual hospital model of care on patient safety, staff safety, resource use, and hospital avoidance (CI – Dr Rachael Pery Johnston (FACEM))
- Developing a system for identifying Healthcare Workers Infections who developed COVID-19 during the pandemic in Queensland (CI – Dr. Siegfried Perez (FACEM))

## Publications

In 2019, there were eight publications that included an author from Bayside Health. In 2020 this increased to 20.



Bayside Health 2020 publications (Bayside Health employees bolded):

1. Goh JTW, **Thayalan K**, and Krause HG (2020). An audit of vaginal support pessaries for pelvic organ prolapse in western Uganda. *Australian & New Zealand Continence Journal* 26(2): 46-50.
2. **Henry C** and **Manton J** (2020). Barriers to accessing good ophthalmic care in the emergency department. *Emergency medicine Australasia: EMA*.
3. **Hlaing PM**, Isoardi KZ, Page CB, Pillans P. (2020). Neurotoxicity in chronic lithium poisoning. *Internal Medicine Journal* 50(4): 427-432.
4. Jacobs NF, **Veronese LR**, Okano S, Hurst C, and Dyer RA (2020). The incidence of postoperative nausea and vomiting after caesarean section in patients with hyperemesis gravidarum: a retrospective cohort study. *International Journal of Obstetric Anesthesia* 44: 81-89.
5. **Meers K**. (2020) Words for Wellbeing: A regional program for consumer health literacy. *Journal of Health Information and Libraries Australasia* . Published online 23 Dec 2020.
6. **McCourt EM**, Singleton JA, Tippett V, and Nissen L (2020). Disaster preparedness amongst pharmacists and pharmacy students: a systematic literature review. *The International journal of pharmacy practice*
7. **McCourt EM**, Watson KE, Singleton JA, Tippett V, and Nissen L (2020). Are pharmacists willing to work in disasters?. *Australian health review: a publication of the Australian Hospital Association* 44(4): 540-541
8. Panahi E, Shivas, M, Hall-Mendelin S, Kurucz N, Rudd P, De Araujo R, Skinner EB, Melville L, **Herrero LJ**. (2020). Utilising a novel surveillance system to investigate species of *Forcipomyia* ( *Lasiohelea* ) (Diptera: Ceratopogonidae) as the suspected vectors of *Leishmania macropodum* (Kinetoplastida: Trypanosomatidae) in the Darwin region of Australia. *International journal for parasitology. Parasites and wildlife* 12: 192-198.
9. Panahi E, Shivas, M, Hall-Mendelin S, Kurucz N, Rudd P, De Araujo R, Skinner EB, Melville L, **Herrero LJ**. (2020). Utilising a novel surveillance system to enhance field screening activities for the leishmaniasis. *MethodsX* 27;7: 101156.
10. Pankevich V. and **Manton J** (2020). Continuing the ultrasound credentialing conversation. *Emergency medicine Australasia : EMA*.
11. Ravenscroft G, Clayton JS, Faiz F, Sivaforai P, Milnes D, Cincotta R, **Moon P** et al. (2020). Neurogenetic fetal akinesia and arthrogryposis: genetics, expanding genotype-phenotypes and functional genomics. *Journal of medical genetics*.

12. **Sexton R, Fulton S**, and Brown B. (2020). Cryptococcal laryngitis: A case report of rare clinical manifestations of dysphagia and dysphonia. *Journal of Clinical Practice in Speech-Language Pathology*. 22(2). Published online November 2020
13. Skinner EB, Rudd PA, Peel AJ, McCallum H, Reid S, and **Herrero LJ** (2020). Species Traits and Hotspots Associated with Ross River Virus Infection in Nonhuman Vertebrates in South East Queensland. *Vector Borne Zoonotic Dis*. 21(1):50-58
14. **Thayalan K**, Kothari A, Khanna Y, and Kothari A (2020). Congenital cataracts – Clinical considerations in ultrasound diagnosis and management. *Australasian Journal of Ultrasound in Medicine* 23(1): 74-79.
15. **Thayalan K**, Parghi S, Krause H, and Goh, J (2020). Vesicovaginal fistula following pelvic surgery: Our experiences and recommendations for diagnosis and prompt referral. *The Australian & New Zealand Journal Of Obstetrics & Gynaecology* 60(3): 449-453.
16. Varnfield M, Redd C, **Stoney R**, Higgins L, **Scholari N**, **Warwick R**, **Iedema J**, **Rundle J**, and **Dutton W** (2020) M♥THER, a mHealth System to Support Women with Gestational Diabetes Mellitus – Feasibility and Acceptability Study. *Diabetes Technology and Therapeutics*. Published online 19 Nov 2020
17. **Wong WJ** and **Chau TC** (2020). Case of proximal small bowel obstruction: is it the motility or the chewing? *ANZ Journal Of Surgery*
18. Wood AJ, Grudzinskas K, Ross JA, Bailey S, **Gordon G**, Burton C, and Wishart L (2020). Strengthening teamwork capability in allied health: implementation of a team development program in a metropolitan health service. *Australian health review: a publication of the Australian Hospital Association* 44(3): 443-450.
19. Woodward T, Josephson C, Ross L, Hill J, **Hosking B**, Naumann F, **Stoney R**, and Palmer M (2020). A retrospective study of the incidence and characteristics of long-stay adult inpatients with hospital-acquired malnutrition across five Australian public hospitals. *European journal of clinical nutrition*. 74, 1668-1676
20. **Woolley M**, **Shao E**, **Iedema J**, **McCarron A** (2020) Reducing oxycodone prescription: audit on a hospital-based intervention. *Int Med J*. 50(11):1440-1442



## Research Grand Rounds (March 2020)

The first research event of the year for Bayside Health was the Research Grand Rounds hosted in March 2020. This was the second time this event was held at Redland Hospital. To encourage local research, the session was focused on research done by Bayside Health employees.

Dr. Joel Iedema presented on 'The QLD LAM and its effects on utilisation and implications for medicines policy in Australia, an introduction to quasi-experimental research design'.

Coralie Stewart and Natasha Liddington presented on 'The Allied Health Brief Therapies Clinics collaborative project 2017-2019'.

The grand rounds were well attended and raised interest in research and the role of the Academic Research Manager.



## Research Showcase Day (November 2020)

The Inaugural Research Showcase Day was held on November 6<sup>th</sup> 2020 and was attended by more than 100 people online and in-person. This event was aimed at highlighting the work of emerging and novice researchers at Bayside Health and encouraging those who may be new to research to start a project. The book of abstracts for the day is available [here](#).

The Inaugural Research Showcase Day was very well received with symposium delegates rating the day very highly. Many attendees commented on the sense of pride and inspiration they felt after seeing the great research projects that were taking place at Redland Hospital. Many clinicians noted they felt inspired to undertake their own research.



(Left to right) Dr Graham Steel (Director of Medical Services, Bayside Health), Susan Frieberg (Facility Manager, Redland Hospital), Professor Eleanor Milligan (Griffith University), and Dr Salih Salih (Chair, Research Advisory Group) at the Bayside Research Showcase



Research Showcase Organising Committee (left to right) Rebecca Judd, Tania Quaglio, Dr. Salih Salih, Dr. Elizabeth McCourt, and Kim Meers

## Emerging Researcher of the Year (December 2020)

In 2020, a new award for the 'Emerging Researcher of the Year' was presented to a new researcher at Bayside Health who demonstrated an interest and dedication to research, made significant progress with a research project, and contributed to the growing research culture at Bayside Health. Dr Blanaid Canavan was the inaugural winner of this award. Throughout 2020, Blanaid demonstrated a passion for research and perseverance in undertaking her first ever research project. Dr. Canavan's project 'Effects of COVID-19 on medical admissions and ED presentations to a district general hospital' involved reviewing 400 patient records to collect data – most of this work was completed by herself. Blanaid has demonstrated unwavering enthusiasm for her work, presented her findings at the Bayside Research Showcase, and currently has her first manuscript for publication under review in a journal.



## Future directions for Research at Bayside Health in 2021

While 2020 brought some unexpected challenges, we have seen research culture and capacity at Bayside Health grow. We have seen increases in numbers of ethics applications, SSA applications, publications, and grant applications in 2020, we strive to meet and improve on this in 2021.

The continuation of the Academic Research Manager role for 2021 means that we can continue to build research capability and capacity. In 2021 we want to have more frequent and structured education and training (something that was challenging in 2020 due to COVID-19). We will continue to have research events hosted by the Research Advisory Group such as Grand Rounds (March 2021) and a second Research Showcase Day (November 2021).

With new Research Advisory Group representation in 2021, we hope to continue to build upon the research culture at Bayside Health and with all departments within the Hospital and beyond. We will also be focusing on further developing and embedding sustainability into the research capacity that has been developed at Bayside Health.

We believe 2021 will be Bayside Health Service's best research year yet.