

Mental Health Services



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Recognising this, MNMH has invested substantially over the last decade in human and technological resources, building a robust research infrastructure, expertise and capacity. Research is increasingly integrated in the fabric of services. We support conjoint clinical academic appointments with various universities, actively encourage and support clinicians to undertake post-graduate study and collaborate effectively with a range of stakeholders, locally, nationally and internationally. The return on investment is impressive and growing with increasing numbers of staff across disciplines and service lines playing active roles in the design and conduct of research and translation of evidence to practice. As is evidenced by the impressive lists of publications and other dissemination activities, grants and awards, research in its many forms, and evaluation and quality improvement activities are flourishing across MNMH-RBWH. The number and calibre of MNMH-RBWH staff undertaking post graduate studies is pleasing and we note that our researchers are nurturing the next generation of researchers by providing formal supervision in their areas of expertise. With increasing interest in research and related activities evident across service lines and disciplinary groups, 2015 was productive and rewarding.

We were delighted to see the substantial and important research work of three RBWH staff recognised at the Inaugural Metro North Research Awards. Dr Dylan Flaws' ground breaking research into predictive modelling won him the Rising Star, Early Career Researcher, just four years after graduating from medical school. Dylan is a psychiatric registrar at the RBWH. A/Prof James Scott, consultant psychiatrist with the Early Psychosis team won the Promoting Healthy Minds and Bodies category for his work related to the physical and mental health of young Australians. Professor Michael Breakspear who received The Technology and Biotechnology Award for his world-leading research using non-invasive technologies to unravel the mysteries of the brain, also took out the Researcher of the Year Award (selected from category winners). Each of these awards reflects the sustained efforts and inspiration of the research teams, clinicians and consumers and carers who contribute in various ways.

Metro North Mental Health: RBWH – Introduction

The research conducted by Metro North Mental Health-RBWH researchers and clinicians spans the mental health research spectrum encompassing cutting edge computational neuroscience, clinical research, interventional clinical studies and health services and policy research. Working in partnership with collaborators from world renowned universities and research institutes our researchers are seeking answers to important questions related to mental health of various age and diagnostic groups. Their expertise is vast and diverse but they are united in a commitment to generating evidence to improve the health and lives of people affected by severe mental illness, and promote mental health of the population. The local, national and international collaborations with a range of stakeholders ensure complementary expertise is brought to the table and that studies contribute to a cohesive body of evidence, optimising return on investment.

While we describe various research groups for the purposes of this report, it is important to note that the diverse work of MNMH-RBWH researchers and clinicians is not all readily compartmentalised. Some is conducted by, or within a particular research group (such as systems neuroscience, forensic mental health). Other studies or activities relevant to a defined population (e.g. early psychosis, eating disorders or older person's mental health services) involve collaborations across research groups and with other partners, within and external to RBWH. Some of the activity involves clinical research, with RBWH clinician researchers working as a member of national or international study teams. Much activity is more wide ranging, related to the design and delivery of health services, quality improvement and the translation of evidence to practice, conducted 'in house' and in partnership with a range of academic and community agencies and consumers and carers.

Systems Neuroscience

Led by Professor Michael Breakspear, Consultant Psychiatrist at the RBWH, the Program of Mental Health Research at QIMR Berghofer involves epidemiological, genetic, neurobiological and computational research into the major mental health disorders. The Program integrates the work of six different research groups across these areas. The research ranges from basic wet-lab research, to large population-based studies of genetic risk conducted with international consortia, through to the latest in computer modelling and brain imaging technologies. Research encompasses most major mental health disorders, including dementia, major depression, bipolar disorder, ADHD, OCD, post-natal depression and schizophrenia. The Systems Neuroscience team also undertake research into the psychiatric aspects of mood disorders and into epilepsy and neonatal encephalitis.

Our research covers many areas of direct relevance to patients and their families, including the nature of genetic and environmental risk factors for mental illness, examining their natural history and their causes. We are also developing imaging-based tests for better diagnosis and to monitor response to treatment. Our work in physical activity and mental health investigates and promotes the mental health benefits of physical exercise, particularly among people with severe mental illness.

The group collaborates widely. Within RBWH, we collaborate with other researchers within the mental health service, including James Scott, Gerard Byrne and Ed Heffernan. We have strong partnerships with Neurology and Medical Imaging. Locally, we collaborate closely with the biomedical imaging group at the Herston-based CSIRO, with Dr Sasha Dionisio at the Mater Hospital and Professor Peter Silburn at St Andrew's Private Hospital. Interstate we work closely with Professors Philip Mitchell and Gordon Parker at the BlackDog Institute and UNSW, Sydney. We also have strong international collaborations with Professors Karl Friston (London), Klaas Stephan (Zurich), Marc Tittgemeyer (Cologne) and Olaf Sporns (Indiana, US).

Grants received in 2015:

- NHMRC Dementia Team Grant "Prospective imaging study of ageing: Genes, brain and behaviour" (\$6,465,000, 2015-2020): Chief Investigators: Breakspear M, Guo CC et al.
- QIMR Berghofer-Clinician Research Collaboration Award "Using advanced brain imaging to guide the surgical treatment of refractory epilepsy" (\$28,000, 2015) Chief Investigators: Breakspear M, Guo CC
- QED (Queensland-Emory) Alliance. "Improving brain function in healthy and stroke populations by non-invasive brain stimulation" (\$204,604, 2015-2016). Chief Investigators: Breakspear M, Meinzer M.

Early Psychosis, Youth Mental Health and Adolescent Psychiatry

The early psychosis and youth mental health research group encompasses research that occurs in the Early Psychosis Service and on the Adolescent Inpatient Unit. 2015 was the year in which the Cadence Trial platform commenced. In partnership with the Queensland Centre for Clinical Research, the Cadence trials are a platform of randomised controlled Interventional studies of low risk treatments for patients with psychosis. The first trial Cadence – Bz is investigating the safety and efficacy of benzoate in patients with early psychosis. This food additive which is very safe has been shown to be effective in patients with chronic schizophrenia. Cadence Bz will be the first study of this compound in patients with early psychosis.

The New Horizons Study was also successfully completed in 2015. This is the first study to examine the prevalence of autoimmune encephalitis in patients admitted to hospital for the treatment of psychosis. It was established that four of 116 patients in fact had autoimmune encephalitis and as a result of this, they were referred for immunomodulatory therapy rather than receiving psychiatric care.

With the physical health of people with severe mental illness recognised internationally as an area of concern, substantial clinical and research effort is going into design, implementation and evaluation of interventions to reduce weight gain and maintain/improve fitness among people with first episode psychosis and young people admitted to the adolescent ward. A successful pilot of an exercise program on the adolescent ward 2014-2015 has laid the foundation for a formal study of impact of exercise on adolescent mental health [specifically mood] of an exercise program. Young people participating in the program are invited to complete measures of mood and wellbeing before and after the program. This study is the first of its kind.

Sixteen peer reviewed manuscripts were accepted in 2015 and researchers from the early psychosis and youth mental health research group received 1.7 million dollars in funding including grants from the RBWH Foundation and the NHMRC.

Research continues to be conducted in partnership with clinical services and benefits to patients attending the RBWH for mental health care are immense.

The Older Persons Mental Health Service (OPMHS)

The OPMHS has strong links with the University of Queensland Academic Discipline of Psychiatry and is actively engaged in teaching students of several disciplines (medical, nursing, psychology, occupational therapy, social work). OPMHS personnel are involved in clinical and health services research in relation to mental disorders in older people, including those with anxiety, depression, psychosis and dementia. The director of the OPMHS, Prof Gerard Byrne, collaborates widely with researchers from other clinical disciplines, including psychology, geriatric medicine, neurology, pharmacy and nursing, as well as with several laboratory-based neuroscientists.

Highlights of 2015:

Prof Gerard Byrne (RBWH/UQ) and Prof Michael Breakspear (RBWH/QIMR Berghofer) collaborated with several others in a successful NHMRC Dementia Research Team grant application in 2015, which was awarded \$6.5million over five years. This project is called the Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA) and will involve following asymptomatic twins and symptomatic patients with mild cognitive impairment (aMCI) or mild Alzheimer's disease (AD) prospectively using neuroimaging (MRI and PET at HIRF), neuropsychology and physiological measures. Those at high polygenic risk will be compared to those at low polygenic risk.

The research registrar position funded by the federal government under the Specialist Training Program (STP) initiative was occupied by senior registrar Dr Usman Ali during 2015. Dr Ali went on to win the Royal Australian and New Zealand College of Psychiatrists' annual prize for the best research project by an advanced trainee in old age psychiatry.

The Geriatric Anxiety Inventory (GAI), a scale to measure anxiety in older people which was developed by Prof Byrne and Prof Nancy Pachana (UQ) has now been translated into more than 20 languages and is in widespread use around the world, including in the USA and China. The GAI allows clinicians everywhere to rate anxiety in their older patients and thus promotes both awareness and management of this commonly neglected syndrome.

During 2015, Prof Byrne collaborated with Dr Jennifer Fitzgerald (UQ) to finalize the editing of a textbook for medical students, called Psychosocial Dimensions in Medicine (ISBN 9780992518189). This textbook, which has now been published, promotes increased awareness of psychosocial aspects of medical care and contains a series of case vignettes to promote clinical application.

Forensic Mental Health Service

Queensland Health is the major provider of mental health services to people with a mental illness who are involved with, or at risk of entering, the criminal justice system. These services are provided across the age spectrum. The Queensland Forensic Mental Health Service is managed across the State from major groupings based in Brisbane (Metro North and West Moreton) and smaller hubs along the Queensland coast. The integrated services consist of Secure Inpatient Services, Prison Mental Health Services, Court Liaison Services and Community Forensic Outreach Services. The State-wide component of the service is led by the Director and Operations Manager, Queensland Forensic Mental Health Service (based in the Metro North HHS) with the support of the Service Managers, Clinical Directors, and five State-wide positions coordinating Court Liaison Services, Prison Mental Health Services, District Forensic Liaison Network, Indigenous FMH, and the State-wide Community Risk Management program.

Research in 2015 has focussed on:

- The interface between police and mental health services
- Post-traumatic stress disorder in Aboriginal and Torres Strait Islander women in custody
- Benchmarking with Forensic Mental Health Services in other states and territories
- The use of interactive technology in custodial settings for the delivery of social and emotional wellbeing programs
- Enhancing partnerships with other government departments and the tertiary education sector to improve mental health outcomes

Our research informs service design and delivery and, ultimately, improves the experience of forensic consumers and other stakeholders. The service prioritises the sharing of research findings with stakeholders and the wider community through publications, seminars and presentations.

Nursing

The Mental Health Nursing Research Office has a range of active service-based research programs initiated by the nursing leadership group (pictured). They aim to not only support nursing research across Metro North Mental Health as its capacity grows but also help develop the academic partnership with the School of Nursing at QUT. At the beginning of the year an extensive chart review and literature search was conducted following ethical approval on the topic of managing aggression during psychiatric hospitalisation and found that the continuing need to focus on good communication and teamwork is integral to contemporary management of aggressive behaviour (Fawcett, 2015). Following from this, the nursing research team implemented the Safewards program, developed by Professor Len Bowers, Kings College London. The recommended evaluation approach was followed with the added research question to understand how this would be translated to the context of mental health nursing practice in Queensland (Dart, 2015). Their work was presented at the ACMHN annual conference. Throughout the Safewards project, several one day training events were conducted for staff to receive education support (Higgins, 2015). Additional supervision was provided at unit level to support the program, and Consumer Consultants, who have a lived experience with mental health issues participated in ward meetings and activities where appropriate. Carer Consultants also attended regular meetings to represent Carer views. The introduction of the Safewards program has become a positive group activity. It appears to engage consumers with a positive experience and staff are beginning to notice small changes to their language during interactions with consumers (Hiscox, 2015).

The contribution to research from nursing education and clinicians in the ward areas include education, training and support to assist nurses to develop and maintain therapeutic relationships within inpatient mental health units in Metro North HHS (Hatch, 2015). Ongoing initiatives, such as the Medication Safety Committee has facilitated nursing research outcomes this year (Collyer, 2015). The success of the committee in its organisational structure and role has become recognised by the RBWH with several other service lines utilising its model and Terms of Reference. Support from Nurse Educators at Royal Brisbane Hospital, TPCH and Caboolture Hospital has also helped with new graduates entering the mental health nursing workforce (Dalton, 2015). It was encouraging to see how 'beneficial' the students see the mental health placement and that the stigma surrounding the consumers and staff is greatly reduced. The integration of nursing research and education of nurses has helped highlight what the learning needs are for clinicians and informed undergraduate curriculum and ward based education needs. For example, the Safewards model of mental health nursing is currently being integrated into the undergraduate curriculum of the School of Nursing at QUT as well as being the focus of continuing work across Metro North Mental Health. An additional separate novel approach was developed by the nursing education team to give students an opportunity to develop skills, in addition to a greater exposure to the specialty of mental health, beyond the 2 or 3 weeks normally included in their degree (Hall, 2015). The outcomes of this evaluation work continue to attract and retain new nursing graduates into the specialty of mental health.

The Eating Disorders Service

The Eating Disorders Service has a strong focus on service evaluation and clinical research, and aims to use the findings of research to inform service delivery/development, improve patient outcomes, and share our work among the national and international eating disorder community. This is achieved through the development of strong collaborations with other health services, universities and research organisations. Current collaborations include

- Queensland Institute of Medical Research
- St Andrews Private Hospital
- University of Queensland
- Sunshine Coast University

The service actively encourages all staff members to contribute and participate in research activities, and share research findings through conference abstracts and peer reviewed publication.

Findings of research activity undertaken in the State-wide consultation-liaison service have been disseminated to start up services in Western Australia to inform service development directions. In this regard, the consultation-liaison service is highly regarded throughout Australia.

2015 saw further development in a key research activity investigating nutritional refeeding practices in medically compromised inpatients with anorexia nervosa – this research was funded by the RBWH Foundation in 2014. The study, comparing conservative and assertive refeeding practices, is being conducted in collaboration with the University of the Sunshine Coast (focus on conservative refeeding practice) and UQ (focused on assertive refeeding practice).

Supervised Post-graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Matt Hyett	PhD, University of New South Wales (conferred 2015)	Attention and inference in melancholic depression	Michael Breakspear
Kartik Iyer	PhD, UQ (conferred 2015)	Novel methods for predicting outcome in neonates from electroencephalographic recordings	Michael Breakspear
Anton Lord	PhD, UQ (conferred 2015)	Biometric markers for affective disorders	Michael Breakspear
Phil Mosley	PhD, UQ	Neurobiology of impulsivity in Parkinson's Disease	Michael Breakspear
Matt Aburn	PhD, UQ	Computational neuroscience	Michael Breakspear
Justin Chapman	PhD, UQ	Physical activity in mental illness	Michael Breakspear
Jonathon Robinson	PhD, QUT	Predictive coding errors in schizophrenia	Michael Breakspear
Megan Campbell	PhD, UQ	Functional anatomy of human mirror system	Michael Breakspear
Saurabh Sonkusare	PhD, UQ	Interoception in depression	Michael Breakspear
Natalie Avery	Masters Clin Psych, Charles Sturt University	The role of psychologists in addressing physical health needs of people with Severe Mental Illness	Sue Patterson
Lucianne Palmquist	PhD, Griffith University	A grounded theory explanation of Adolescent 'Recovery': CYMHS consumer perspectives	Analise O'Donovan, Graham Bradley, Sue Patterson
Fiona Davidson	PhD, UQ	A comparison of court liaison and court diversion services throughout Australia for people with mental disorders	Philip Burgess, Tony Butler, David Greenberg, Ed Heffernan
Peter Carr	PhD, Griffith University	Risk Factors for peripheral intravenous cannula insertion failure in the Emergency Department: The VADER Study	Niall Higgins , Claire Rickard, Marie Cooke
Bonnie Law	PhD MBBS, UQ	Interactions between mood, stress and alcohol dependence	Mark Daghli , Jason Connor, Matt Gullo

Supervised Post-graduate Research Students (cont)

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Carina Capra	PhD, QUT (2011–2015)	Measuring, understanding and reducing psychotic-like experiences (PLEs) in young people.	David Kavanagh, Leanne Hides, James Scott
Holly Erskine	PhD, UQ (2013–2016)	The epidemiology of conduct disorder and implications for interventions.	James Scott , Harvey Whiteford
Natalie Mills	PhD, UQ (2010–2016)	The role of cytokines in depression and cognition in adolescents.	Naomi Wray, James Scott , Nick Martin, Margie Wright, Gerard Byrne
Hannah Thomas	PhD, UQ (2014–2016)	Beyond the classroom and into the cyber world, next generation research into adolescent bullying.	James Scott , Jason Connor
Phillipa Moore	Masters of Clinical Psychology	An investigation into the efficacy of prospective memory reminders in individuals with schizophrenia.	Julie Henry, James Scott
Rebecca Banney	PhD, UQ (2013–2016)	Specific language impairment across the lifespan: A retrospective and prospective study.	Wendy Arnott, David Copeland, James Scott
Shuichi Suetani	PhD, UQ	Physical activity and people with psychosis.	John McGrath, James Scott
Ji Hyun (Julia) Yang	PhD, UQ	Mindfulness and cognitive training in Parkinson's disease.	Gerard Byrne , Nadeeka Dissanayaka , Katie McMahon , David Copland
Elizabeth Ness McVie	PhD, UQ	An analysis of the decisions of the Queensland Mental Health Court.	Gerard Byrne , Karen Nankervis
Beyon Miloyan	PhD, UQ	Epidemiology of anxiety in later life.	Nancy Pachana, Gerard Byrne
Jenifer Anne Murphy	PhD, UQ	Treatment-resistant depression.	Gerard Byrne , Nancy Pachana
Crystal Higgs	PhD, UQ	TBC	Gerard Byrne
M Bray	Masters of Dietetics, UQ	Are we feeding the eating disorder with numbers?	Shane Jeffrey
Elsie Patterson	Honours (Nutrition and Dietetics), Sunshine Coast University	A conservative refeeding approach in female inpatients with restrictive eating disorders.	Shane Jeffrey

Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Leonardo Gollo	From brain maps to mechanisms: Modelling the pathophysiology of dementia	NHMRC Dementia Fellowship (ECF level)	QIMR Berghofer (2016 – 2019)
Bjorn Burgher	QIMR Berghofer	Alliance Research Fellowship	UQ, QIMR Berghofer (2015)
James Scott	NHMRC Clinical Practitioner Fellowship	Prevention and Management of Youth Mental Illness	UQ (5 years)
Niall Higgins	Conjoint appointment – Senior Research Fellow	Mental Health Nursing	QUT (3 years)

Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Michael Breakspear	Karl Friston	Complex Dynamics in Brain Networks: A Unifying Theoretical and Empirical Project.
Michael Breakspear	Andrew Zalesky	The neural mechanisms of perception, memory and movement.
Michael Breakspear	Sampsa Vanhatalo	Analysis of outcome following neonatal hypoxia.

Current RBWH Led Research Activity (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Michael Breakspear	Philip Mitchell, Gordon Parker, Colleen Loo	The phenomenological, neurobiological and molecular foundations of depression
Michael Breakspear	Justin Chapman, Greg Pratt	Physical activity and sedentary behaviours of people with mental illness: Patterns, Attitudes, Barriers and Enablers
Michael Breakspear		Disturbances in perception and prediction in psychotic disorders
Michael Breakspear	Sue Patterson	Physical activity and sedentary behaviours of people with mental illness: Exploring use of smart technologies
Julie Ewing and Sue Patterson	David Higson, Vikas Moudgil	Evaluation of Inner North Brisbane Mental Health GP Liaison Service
Anna Praskova	Sue Patterson, Brett Emmerson	Assessment and management of tobacco smoking in psychiatric inpatient units
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (GU), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Sue Patterson	Kylie Garrick (MNMH), Analise O'Donovan (Griffith University), Denae Crough (MNMH), Lucien Lloyd-West (Griffith University)	Optimising delivery of group based interventions in Public mental health services
Sue Patterson Warren Ward, Rachael Bellair	Esben Strodl (QUT)	Evaluation of inpatient treatment in the management of eating disorders
Sue Patterson	Pauline Ford (UQ)	Mental Health literacy and help seeking among dentistry students
Sue Patterson, Natalie Avery	Graham Tyson (Charles Sturt University)	The role and practices of psychologists in managing physical health within mental health services
Sue Patterson	Jeanie Sheffield (UQ)	A mixed method evaluation of the Eating Disorders Intensive Outpatient program
Sue Patterson	Ray Chan, James Scott , John McGrath (UQ, QCMHR)	Recruitment to randomised controlled trials in Cancer Care and Mental Health: Comparative Case Studies
Sarah Childs, Sue Patterson		Using the WRAP to Promote Self-Management and Reduce Service Use for People with Severe Mental Illness' Metro North Hospital and Health
Sue Patterson	Sarah Young, Anna Praskova	Attending to physical health in mental health services in Australia: A qualitative study of service users' experiences and expectations
Sue Patterson	Kathleen Freshwater, Nicci Goulter, Julie Ewing, Boyd Leamon , Anand Choudhary (RedCab), Vikas Moudgil, Brett Emmerson	Psychiatrists' follow up of identified metabolic risk: an audit and qualitative exploration of influences on practice
Brett Emmerson, Ed Heffernan	David Crompton (PAH), Anna Praskova	Impact of the G20 Summit on Mental Health Service Use
Deanna Erskine, Vinit Sawney	Sue Patterson, Anna Praskova, Barbara Baumgartner	Improving metabolic monitoring for people with severe mental illness who are homeless
Imani Gunasekara, Sue Patterson	James Scott	What makes an excellent mental health doctor?
Sue Patterson	Prof Pauline Ford (UQ), Mark Daghish	Attending to oral health in inpatient detoxification units
Bobbie Clugston	Ed Heffernan, Tim Lowry, Jane Phillips, Elissa Waterson	Mental Health Support of Police Negotiators
Ed Heffernan	Bobbie Clugston, Elissa Waterson, Fiona Davidson	Police Communications Centre – Mental Health Liaison Service Evaluation

Current RBWH Led Research Activity (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Michele Pathe	Tim Lowry, Paul Winterbourne, Brett Emmerson	Queensland Fixated Threat Assessment Centre Evaluation
Ed Heffernan	Kimina Andersen, Fiona Davidson , Stuart Kinner	Family Business – Improving the understanding and treatment of PTSD among incarcerated Aboriginal and Torres Strait Islander women
Bob Green	Ed Heffernan , Beverley Russell, Michelle Denton, Elissa Waterson	Transitional care for released prisoners with mental illness
Ed Heffernan	Adam Griffin, Bob Green, Bobbie Clugston, Jane Phillips , Zara Samaraweera, Carolina Ceron	Mental illness, Police and fitness for interview
Melanie Mitchell	Gavan Palk	Mentally ill threateners
Tim Lowry	Bruce Watt, Bruce Hamilton, Annette Vasey	High risk psychotic phenomena
Elke Perdacher	David Kavanagh, Jeanie Sheffield, Ed Heffernan, Kimina Andersen	Utility of the Stay Strong tablet PC application with Aboriginal and Torres Strait Islander women in custody
Fiona Davidson	Ed Heffernan, Velimir Kovacevic, Jane Phillips, Bruce Hamilton , Tony Butler, David Greenberg, Philip Burgess	National court liaison and court diversion survey
Fiona Davidson	Ed Heffernan, Velimir Kovacevic, Jane Phillips, Bruce Hamilton , Tony Butler, David Greenberg, Philip Burgess	National court liaison service key performance indicators
James Scott	Stefan Blum (Neurology), David Gillis (Pathology), Robert Wilson (Pathology), Kerri Prain (Pathology), Richard Wong (Pathology), Susan Patterson (Psychiatry), Stephen Stathis (Psychiatry) , Sean Hatherill (Logan Hospital), Frances Dark (PAH)	New Horizons: Auto antibodies in first episode psychosis
James Scott	Stefan Blum (PAH), David Gillis (Pathology) , Gail Robinson (PCH), Frances Dark (PAH)	Brain antibodies in treatment refractory psychosis
James Scott	Bjorn Burgher (Psychiatry), Michael Breakspear (QIMR Berghofer), Anne Gordon (Psychiatry) , Naomi Wray (QBI), Carina Capra (PAH), Sharon Foley (PAH), Savio Sardinha (Gold Coast), Gail Robinson (TPCH), Elizabeth Troman (TPCH)	Early Psychosis Research Platform
Shane Jeffrey, Amanda Davis, Susan Patterson, Warren Ward	Jan Hill (Nutrition and Dietetics) , Donna Hickling (TPCH), Gai Moritz (Nambour), Amy Hannigan (PAH), Sarah Braham (Robina)	Assertive refeeding for medically compromised patients with anorexia nervosa: an observational study of outcomes and patient experiences
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (Griffith University), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Andre van Zundert, Marcus Watson, Niall Higgins	Claire Rickard (Griffith University), Robert Ware (UQ)	Near infrared venous analysis: A trial of vessel finders versus standard technique for peripheral placement of intravenous catheters
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (Griffith University), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Sue Patterson, Michael Breakspear		Understanding participation in mental health research
Niall Higgins	Evan Alexandrou (University of Western Sydney), Gillian Ray-Barruel (Griffith University), Peter Carr (Griffith University), Steven Frost (University of Western Sydney), Sheila Inwood (The Royal Berkshire Hospital, Reading, UK), Francis Lin (Griffith University), Laura Alberto (Sanatorio de Alta Complejidad Sagrado Corazón, Buenos Aires), Leonard Mermel (Rhode Island Hospital), Claire Rickard (Griffith University)	One Million Global (OMG) Peripheral Intravenous Catheter Study

Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Lucianne Palmquist (Griffith University)	Sue Patterson	A grounded theory explanation of Adolescent 'Recovery': CYMHS consumer perspectives.
Tim Weaver (Middlessex University, UK)	Sue Patterson	Modelling process and outcomes of user involvement in mental health research
John McGrath (QCMHR), Andrea Baker (QCMHR)	James Scott	Cadence BZ
John McGrath (QCMHR), Frances Dark (PAH), Andrea Baker (QCMHR)	James Scott	Cadence SCIT
John McGrath (QCMHR), Andrea Baker (QCMHR)	James Scott	Cadence M
Peter Silburn	Warren Ward (Eating Disorders), Rodney Marsh (VMO), Chris Randall (Eating Disorders)	A pilot trial of Deep Brain Stimulation for treatments resistant Severe and Enduring Anorexia Nervosa

Research Awards and Achievements

Recipient	Award	Event
Michael Breakspear	The Technology and Biotechnology Award	Metro North Mental Health and Hospital Service Research Excellence Awards
James Scott	Promoting Healthy Minds and Bodies	Metro North Mental Health and Hospital Service Research Excellence Awards
Dylan Flaws	Rising Star Early Career Research Award	Metro North Mental Health and Hospital Service Research Excellence Awards
James Scott	Best Clinical, Education or Health Services Oral Presentation	24 th Annual RBWH Health Care Symposium