



MENTAL HEALTH SERVICES

METRONORTH MENTAL HEALTH SERVICES



Professor Brett Emmerson AM
Executive Director
Mental Health

As Executive Director of one of the largest mental health services in Australia, I oversee interconnected inpatient, community and rehabilitation services providing assessment and treatment to Metro North's diverse population of around 1000 000 residents. Metro North Mental Health (MNMH) is also home to a range of specialist services including The Perinatal Mental Health Service, Queensland Eating Disorders Service, The Queensland Forensic Mental Health Service and The Queensland Victim Support Service.

MNMH has a budget of around \$200 million and employs 1200 staff who work across multiple facilities providing care to people of all ages experiencing problems associated with mental illness. MNMH works closely with a range of community services and government agencies to promote access to a spectrum of care, which may be needed by individuals at any time. As a service we are committed to continually improving the process, experience and outcomes of care and the health and wellbeing of our staff. To this end we recognise research as an essential component of the health system and are actively engaged in development and application of robust research evidence in all elements of the service.

Metro North Mental Health has robust partnerships with a range of academic and research institutions, supports conjoint academic appointments, employs dedicated researchers, supports clinicians to engage in post-graduate study and promotes access to a range of educational and training opportunities. The work presented in this report demonstrates the breadth and depth of the research undertaken by MNMH researchers and clinicians. Research using diverse methodologies as appropriate to the study, ranges from basic science, through studies of clinical interventions and health service delivery to global studies of the prevalence and burden of disease. Some studies are funded by prestigious grants, others conducted with limited project grants and many are conducted by dedicated clinicians who go the extra mile to integrate research in practice with in-kind support of the service. The work is united in seeking to generate the evidence needed to promote mental health, prevent mental illness support early diagnosis and intervention and improve mental health across the lifespan, within such a context highlights are difficult to identify but I take this opportunity to acknowledge the extraordinary efforts of clinicians and researchers undertaking world leading work.

Highlights include:

- Impressive representation of the service by clinicians from across disciplines at National and International Conferences
- Award of prestigious NHMRC grants including \$810, 745 to James Scott and team for 'Identifying and treating patients with psychosis who are positive to anti-neuronal antibodies'
- Publication of the findings from NHMRC-funded clinical trials examining nutraceuticals in treatment of major depressive disorder and kava in treatment of generalised anxiety disorder in older people
- Publication of an international cross-validation of the Geriatric Anxiety Inventory (GAI); developed 12 years ago the GAI is now available in 20 languages and in use globally
- Award of a collaborative research grant of ~50K to a MNMH/QIMR team led by Nurse Practitioner of the Perinatal Mental Health Service, Ms Tracey Mackle to develop and test a screening tool for post-traumatic stress disorder in women during pregnancy and after birth
- Collaboration of Warren Ward and QuEDS in an extensive program of research designed to improve outcomes of people affected by eating disorders. The program is funded by a grant of \$3,670,400 by the Medical Research Future Fund
- Appointment of MNMH Research Director, Professor James Scott as Head of Mental Health at QIMR Berghofer Medical Research Institute. A key aim of the conjoint appointment is to grow the mutual research interests of the two organisations providing staff at Metro North Mental Health with access to world leading research staff and facilities
- Establishment of a nurse-led project to design and implement a model of Trauma Informed Care and Practice (TICP).

Supervised Post-Graduate Research Students

Name <i>(RBWH staff in bold)</i>	Current Studies <i>(e.g. PhD, Masters etc.)</i> University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Alex Ryan	PhD, The University of Queensland, 2017-2019	Investigating the aetiopathogenic role of autoantibodies against the M1 muscarinic acetylcholine receptor in patients with first episode of schizophrenia (Associate Advisor)	James Scott
Berihun Dachew	PhD, The University of Queensland, 2017-2019	Hypertension Disorders of Pregnancy and Offspring Mental and Behavioural Disorders (Associate Advisor)	James Scott
Bjorn Burgher	PhD, The University of Queensland, 2015-2020	Microglial activation in early onset psychotic disorders (Associate Advisor)	James Scott
Dana Pourzinal	PhD, The University of Queensland <i>(ongoing)</i>	Virtual reality assisted psychotherapy for anxiety in dementia	Nadeeka Dissanayaka, Gerard Byrne
Elizabeth Ness McVie	PhD, The University of Queensland <i>(ongoing)</i>	An analysis of the decisions of the Queensland Mental Health Court	Gerard Byrne
Elnike Brand	PhD, The University of Queensland <i>(ongoing)</i>	Comprehending the sexual health and sexuality in men with chronic mental illness: An epidemiological study	Ed Heffernan and Angela Rasch
Emily Hielscher	PhD, The University of Queensland, 2016-2019	Non-accidental self-injury and suicidality in adolescents and young adults with psychotic experiences (Principal Advisor)	James Scott
Ji Hyun (Julia) Yang	PhD, The University of Queensland <i>(submitted 2019)</i>	Markers and mechanisms of mild cognitive impairment (MCI) in Parkinson's disease (PD)	Nadeeka Dissanayaka, Gerard Byrne , Katie McMahon, David Copland
John Reilly	PhD, The University of Queensland <i>(ongoing)</i>	Implementation of Substance Use Assessments in Queensland Mental Health Services	Ed Heffernan and Carla Meurk
Jordan Laurie	PhD, Queensland University of Technology, 2017-2020	Non-contact vital signs assessment using robotic vision	Jonathan Roberts <i>(QUT)</i> , Thierry Peynot <i>(QUT)</i> , Niall Higgins
Kate Gossip	PhD, The University of Queensland, 2018-2024	Mental health services for young people with severe mental illness (Principal Advisor)	James Scott
Laura White	Masters, Griffith University	Delirium management in hip fracture surgery	Andrew Teodorczuk , Laurie Grealish, Elizabeth Coyne
Lauren Rodgers	Psychology Honours, Queensland University of Technology	Impact of a single-session group psychosocial intervention in withdrawal management treatment in a tertiary alcohol and drug treatment service: an exploration of factors contributing to treatment outcome	Hollie Wilson, John Kelly
Lisa Wright	PhD <i>(part time)</i> , The University of Queensland <i>(commenced 2017)</i>	What factors influence implementation of sensory modulation approaches in mental health care?	Sally Bennett <i>(UQ)</i> , Pamela Meredith <i>(CQU)</i>
Phoebe St John Mosse	Psychology Honours, Queensland University of Technology	Exploring the Profile of Young People Calling an Alcohol and Drug Telephone Support Service	Hollie Wilson, John Kelly
Rachel Brimelow	PhD, The University of Queensland <i>(ongoing)</i>	Management of affective and anxiety disorders in aged care: identification, diagnosis and the impact on wellbeing through an e-health initiative for personal carers	Nadeeka Dissanayaka, Gerard Byrne , Elizabeth Beattie
Samantha Finnis	Masters, Clinical Psychology, Queensland University of Technology	The Impact of Referral Type on Treatment Outcomes: Research Applied in a Telephone-based Alcohol and Drug Support Service	Hollie Wilson, Annaketurah Ralph , Adrian Kelly <i>(QUT)</i>
Shuichi Suetani	PhD, The University of Queensland, 2015-2019	Physical activity and people with psychosis	James Scott
Tim Lowry	PhD, The University of Queensland <i>(ongoing)</i>	Threats, harassment and other problematic behaviours towards public office holders: The contribution of mental disorder	Gerard Byrne

RBWH Research Staff with research roles, positions or appointments: e.g. Coordinators, Fellow, Adjunct and Honorary appointments

Name <i>(RBWH Staff in bold)</i>	Type of Position	FTE	Funding Source <i>(operational/external/ in-kind)</i>	Research Program	Affiliated University/ies
Andrew Teodorczuk	Professor	1.0	External	Delirium education	Griffith University
Anika Short	Research Assistant	0.2	NHMRC	Clinical trials	The University of Queensland
Anna Jenkins	Senior Lecturer			School of Medicine	The University of Queensland
Anthony Bligh	Industry Fellow	N/a	In-kind	School of Psychology and Counselling	Queensland University of Technology
Brad Partridge	Senior Research Fellow	0.3	External	Mental Health	University of Queensland
Brett Emmerson	Professor	1.0	Operationally Funded	School of Medicine	The University of Queensland
Bruce Hamilton	Guest Lecturer			Forensic Psychology	Australian Catholic University
Carla Meurk	Honorary Senior Fellow			School of Public Health	The University of Queensland
Carla Meurk	Principal Researcher			Forensic Mental Health Group	Queensland Centre for Mental Health Research
Carrick Anderson	Senior Lecturer			School of Medicine	The University of Queensland
Edward Heffernan	Associate Professor			School of Medicine	The University of Queensland
Edward Heffernan	Stream Head			Forensic Mental Health Group	Queensland Centre for Mental Health Research
Elissa Waterson	Principal Researcher	1.0	Operationally Funded	Forensic Mental Health Group	Queensland Centre for Mental Health Research
Elke Perdacher	Lecturer			School of Criminology and Criminal Justice	Griffith University
Fiona Davidson	Research and Evaluation Manager	1.0	Operationally Funded	Forensic Mental Health	Queensland Forensic Mental Health Service, Metro North Mental Health
Gerard Byrne	Professor	1.0	Operationally Funded	School of Medicine	The University of Queensland
Hollie Wilson	Research Coordinator				
James Scott	Professor			UQ Centre for Clinical Research	University of Queensland
James Scott	Director of Research	0.5	Operationally Funded	Mental Health	Metro North Mental Health
James Scott	Head of Mental Health Programme			Mental Health Programme	QIMR Berghofer Medical Research Institute
James Scott	Group Leader			Child and Youth Mental Health	Queensland Centre for Mental Health
Jane Phillips	Senior Lecturer			School of Medicine	The University of Queensland
Lisa Fawcett	Clinical Associate Professor	1.0	Operationally Funded	School of Nursing	Australian Catholic University
Nathan Dart	Clinical Research Fellow	1.0	Operationally Funded	School of Nursing	Australian Catholic University
Niall Higgins	Associate Professor	1.0	Operationally Funded	School of Nursing	University of Southern Queensland
Niall Higgins	Senior Research Fellow	1.0	Conjointly Funded	Mental Health	Metro North Mental Health/ Queensland University of Technology
Sue Patterson	Principal Research Fellow	1.0	Operationally Funded	Mental Health	Metro North Mental Health
Sue Patterson	Associate Professor	n/a		School of Dentistry	The University of Queensland
William Brennan	Program Lead			Master of Mental Health Nursing, Faculty of Health and Behavioural Sciences	The University of Queensland
Zara Samaraweera	Associate Lecturer-Registrar			School of Medicine	The University of Queensland

Current RBWH Research Group / Department Led Research Activity

RBWH Research Group/Department Led Researchers <i>(RBWH staff in bold)</i>	Collaborative Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Andrew Teodorczuk	Anne Wand, Amy Montgomery, Peter Smedley	Evaluation of the Delirium Evaluation and Monitoring System (DEMS)
Andrew Teodorczuk	Emily Gallagher, Laurie Grealish, Eva Schmidt	Realist review of Carer education in delirium
Andrew Teodorczuk		ECT in schizophrenia a review.
Andrew Teodorczuk	Anne Wand, Koen Milisan, Song, James Fisher, Ann Marie Hosie, Meera Agar	A systematic review of delirium education
Anthony Bligh, Kylie Garrick	Ross Young, Will Parsonage, Gino Medoro	CBTp Training Evaluation: An observational evaluation of implementation, experience of participation and perceived impact
Brett Emmerson, Gail Robinson, Andrew Teodorczuk	Jamie Wallis, Elizabeth Cardell, Georgina Sanger, Gary Rogers	Evaluation of a student well being bundle
Carla Meurk	Kym Walford, Fiona Black, Dominic Beer	What really matters? An exploratory study into insight in a forensic psychiatric inpatient population
Carla Meurk, Megan Steele		Young Offenders Mental and Sexual health
Carrick Anderson		Frequent callers to emergency services
Conor O'Luanaigh, Niall Higgins		Prevalence of loneliness in community dwelling older adults with co-morbid mental health problems
Darren Neillie, Bob Green, Fiona Davidson		Treatment pathways of persons found not criminally responsible due to mental disorder
Darren Neillie, Tim Lowry, Carla Meurk	Terri-Ann Goodwin	Delusional Disorders
Eamonn Eeles, Andrew Teodorczuk		Understanding complexity in delirium
Ed Heffernan	Julia Crilly <i>(GC)</i> , Stuart Kinner <i>(GU)</i> , Et al.	Improving outcomes for people with acute mental illness in emergency departments
Ed Heffernan	Bobbie Clugston	ITO Benchmarking
Ed Heffernan, Carla Meurk, Bob Green, Jane Phillips, Zara Samaraweera, Carolina Ceron	Adam Griffin, Bobbie Clugston, Cameron Gardner <i>(QPS)</i>	Fitness for interview and Fitness for Trial
Ed Heffernan, Carla Meurk, Elissa Waterson		Partners in prevention. Data linkage
Ed Heffernan, Carla Meurk, Megan Steele, Laura Ferris		PIP: Mental Health, Ambulance and Police models – QLD mapping
Ed Heffernan, Fiona Davidson	Kimina Anderson, Stuart Kinner	Family Business – Improving and understanding the treatment of PTSD among incarcerated Aboriginal and Torres Strait Islander Women
Ed Heffernan, Fiona Davidson, Michelle Perrin	Stuart Kinner <i>(Griffith)</i> , Bobbie Clugston	National PMHS benchmarking project
Ed Heffernan, Laura Ferris, Carla Meurk, Fiona Davidson		PIP Responding to suicide crises: First responders' knowledge, skills, attitudes and confidence
Ed Heffernan, Tim Lowry, Elissa Waterson, Jane Phillips	Bobbie Clugston	Siege Project
Ed Heffernan	David Street <i>(NZ)</i> , Graham Neilsen, Elnike Brand, Daniel Barns <i>(Maryb.)</i> , Felicity Moore <i>(Maryb.)</i>	Let's talk about sex
Elke Perdacher, Carla Meurk	Lisa Wittenhagen, Megan Steele, Andrew Aboud, Tamara Smith, Darryn Collins, David Kavanagh <i>(QUT)</i> , Ian Garton (e-wellbeing services)	e-Inside Project
Elke Perdacher, Ed Heffernan, Penny Dale	David Kavanagh <i>(QUT)</i> , Jenny Sheffield <i>(UQ)</i>	Stay Strong Custody Project
Evelyn Ma, Susan Patterson, Vikas Moudgil		Attending to the physical health of morbidly obese adults with severe mental illness being treated by public mental health service
Fiona Davidson, Ed Heffernan	Tony Butler <i>(UNSW)</i> , David Greenberg <i>(UNSW)</i> , Phillip Burgess <i>(UQ)</i>	National Court Liaison Benchmarking Project

Current RBWH Research Group / Department Led Research Activity *(cont)*

RBWH Research Group/Department Lea Researchers <i>(RBWH staff in bold)</i>	Collaborative Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Fiona Davidson, Ed Heffernan, Jane Phillips	Tony Butler <i>(UNSW)</i> , David Greenberg <i>(NSW)</i> , Philip Burgess <i>(UQ)</i>	Queensland Court Liaison Service – Pathways of Mental Health Service
Gail Robinson, Niall Higgins	Andrew Burke, Deanne Curtin, George Tay	OSA prevalence in SMI Screening for sleep disordered breathing in an in-patient mental health population
James Scott	Stefan Blum, Belinda Lennox, Brian O'Donoghue, Michael Benros, Dan Siskind, Shuichi Suetani	Anti Neuronal Antibodies in patients with psychosis
James Scott	Alex Ryan, Judith Greer	Muscarinic antibodies in first episode psychosis
John Reilly, Ed Heffernan, Carla Meurk		Detecting and intervening in substance disorders in MHS
Katherine Moss, Ed Heffernan, Carla Meurk, Megan Steele		Physical activity in a High Secure Inpatient Service
Lisa Wright	Sally Bennett <i>(UQ)</i> , Pamela Meredith <i>(CQU)</i>	Sensory Modulation in Mental Health Care: Phase One: Investigating the factors affecting implementation of sensory modulation in inpatient mental health units
Matilda Mackay-Sim, James Scott	James Kesby, Alex Ryan	Goal-Directed Action in those with Early Psychosis
Melanie Mitchell		Mentally ill threateners
Niall Higgins	Jordan Laurie <i>(QUT)</i> , Jonathan Roberts <i>(QUT)</i> , Thierry Peynot <i>(QUT)</i>	Non-contact vital signs assessment using robotic vision
Niall Higgins	Judy Munday <i>(QUT)</i> , Samantha Keogh <i>(QUT)</i>	A comparison of zero-heat-flux thermometry with core temperature measurements for perioperative temperature monitoring: a pilot study
Niall Higgins, Fiona Coyer, Brett Emmerson, Lisa Fawcett	Jonathan Roberts <i>(QUT)</i>	Remote patient monitoring via non-invasive digital technology: a preliminary evaluation of a system for respiratory observations
Niall Higgins, Hollie Wilson, Gail Robinson, Vikas Moudgil	Rajib Rana <i>(USQ)</i> , Kazi Shezan <i>(USQ)</i> , Sonja March <i>(USQ)</i>	Automated Computation of Mood Using Artificial Intelligence
Penny Dale, Megan Steele, Ed Heffernan, Elke Perdacher, Fiona Davidson and IMHIP team		IMHIP evaluation
Queensland Forensic Mental Health Service	Fiona Black, Dominic Beer, Robert King <i>(QUT)</i>	Barriers to engagement in physical activity in a Forensic Mental Health Inpatient Setting
Samantha Bicker, Susan Patterson, Sally Mercier, Danielle Manolis		It makes sense: therapeutically: creating sensory spaces in inpatient units
Sue Patterson, Danielle Alchin, Kelly Price	Gail Robinson, Brett Emmerson, Wilsen Brincat, Michael Luck, Karen Petty	Acceptability, feasibility and impact of contingency management (CM) as an adjunct to smoking cessation programs in Metro North Hospital and Health Service (MNMH): A mixed-methods observational evaluation
Tim Lowry		Harassment, proximity seeking and problematic approaches to public office holders: The role of mental disorder
Tim Lowry, Annette Vassey	Bruce Watt, Bruce Hamilton	High risk psychotic phenomena
Tim Lowry, Darren Neillie, Fiona Davidson		CFOS reports: Referrer feedback survey
Tim Lowry, Darren Neillie, Fiona Davidson		CFOS consumer snapshot

Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Alessandro Morandi	Andrew Teodorczuk	interdisciplinary statement if scientific societies for the advancement of delirium care across Europe
Ann Marie Hosie	Andrew Teodorczuk	Measures of delirium-related emotional distress
Christy Noble	Andrew Teodorczuk	Enriching Medical trainees Learning through Practice Toowoomba
Christy Noble	Andrew Teodorczuk	Enriching Medical trainees Learning through Practice Gold Coast
Gideon Caplan	Andrew Teodorczuk	The economic impact of delirium in Australia

Collaborative Research Activity involving RBWH Research Group / Department *(cont)*

Collaborative Led Researchers	RBWH Researchers and Others <i>(RBWH staff in bold)</i>	Research Project Title
Laurie Grealish	Andrew Teodorczuk	SIMPLE: hospital discharge for patients with dementia
Prudence Milliar	Anthony Bligh	Psychologists and their use of technology
Rosie Watson	Andrew Teodorczuk	Review of Lewy Body Dementia in Australia
Thomas Fisher	Andrew Teodorczuk	Agitation in Delirium
Tim McDonald	Andrew Teodorczuk , Gary Grant	Microdose Antagonist Combination for Depression (MAC-D) Trial

Research Awards and Achievements

Recipient <i>(RBWH staff in bold)</i>	Award	Event
Andrew Teodorczuk	Principal Fellow of the Higher Education Academy	Higher Education Academy
Andrew Teodorczuk	Prince Charles Best of Grand Rounds 2019 Peoples Award	The Prince Charles Hospital
Ed Heffernan	Recognising outstanding contributions to Indigenous mental health in either Australia or New Zealand	Royal Australian and New Zealand College of Psychiatrists Mark Sheldon Prize 2019
James Scott	Excellence in Teaching and Supervision Award	Royal Australian and New Zealand College of Psychiatrists (Qld Branch)
Katherine Moss	Award for best practice in consumer and carer inclusion	Royal Australian and New Zealand College of Psychiatrists Private Mental Health Consumer Carer Network Award 2019
Zara Samaraweera and Carolina Ceron	Medlicott Award 2019. Interviewing persons with mental illness charged with murder or attempted murder: a retrospective review of police interviews	Royal Australian and New Zealand College of Psychiatrists

Research Grants

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
James Scott , Stefan Blum, Belinda Lennox, Judith Greer, Brian O' Donoghue, Michael Benros, Dan Siskind and Shuichi Suetani	Metro North Mental Health	Identifying and treating patients with psychosis who are positive to anti-neuronal antibodies	National Health and Medical Research Council	\$810,745	\$100,000	2019-2021
Rosana Pacella, Michael Dunne, James Scott , David Finkelhor, Ben Mathews, Francesca Meinck, Darryl Higgins, Holly Erskine and Hannah Thomas	Early Psychosis	The first national study of child maltreatment in Australia: prevalence, health outcomes, and burden of disease	National Health and Medical Research Council	\$2,311,217	\$400,000	2019-2023
Harvey Whiteford, Holly Erskine, James Scott and Meghan Enright	Early Psychosis	Nationally-representative population surveys of adolescent mental disorder in Kenya, Indonesia, and Vietnam (NAMHS)	Pivotal Ventures gift	\$2,942,531 USD	\$1,000,000 USD	2018-2020
Holly Erskine, James Scott and Harvey Whiteford	Early Psychosis	Adolescent Extended Treatment Facility Evaluation Framework	Queensland Health	\$328,458	\$328,458	2018-2019
Ian Hickie, Nick Martin, James Scott , Nathan Gillespie and Daniel Hermens	Early Psychosis	Clinical and neurobiological predictors of onset of major mental disorders (mania, psychosis, severe depression), and associated functional impairment, in adolescent and young adult twins: A prospective longitudinal study"	National Health and Medical Research Council	\$1,291,586	\$200,000	2014-2019
Ed Heffernan and Elissa Waterson	QFMHS	Developing guidelines for MH Police Co-responder Models	MHAODB	\$50,000	\$50,000	2019

Research Grants *(cont)*

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups / Departments	Project Title	Granting Body	Total of funds awarded	Funds used in 2019	Years
Ed Heffernan	QFMHS	Mental Health and the Criminal Justice System: Developing the evidence-base to improve mental health and criminal justice outcomes for people with mental illness	National Health and Medical Research Council ECF	\$193,596	\$48,399	2018-2021
Julia Crilly, Stuart Kinner, Gerry Fitzgerald, Ed Heffernan and Marianne Wallis	QFMHS	Improving Outcomes for people with acute mental illness in the emergency department: a data linkage study	National Health and Medical Research Council	\$251,470	\$83,823	2017/18, 2018/19, 2019/20
Chris Doran, Jacinta Hawgood, Lisa Wittenhagen, Ed Heffernan and Carla Meurk	QFMHS	CQU Mates Data analysis	CQU Mates	\$10,000	\$10,000	2019
Ed Heffernan and Elissa Waterson	QFMHS	Metro North Hospital and Health Service Research Coordinator Grant	Metro North Hospital and Health Service	\$310,832	\$103,610	2019/20, 2020/21
Sarah Maguire, Warren Ward , Stephen Touyz, Natasha Nassar, Michelle Cunich, Ian Hickie, Janice Russell, Sloan Madden, Danielle Maloney and Claire Diffy	QuEDS	MAINSTREAM Centre for Health System Research and Translation in Eating Disorders: detection and intervention system-focused knowledge to drive better outcomes in mainstream care for eating disorders	The Commonwealth of Australia Medical Research Future Fund Million Minds	\$3,670,400	\$750,270	2019-2023
Lisa Wright	Occupational Therapy	Sensory Modulation Therapy Equipment	TPCH Hospital Foundation, through The Common Good	\$7,041.91	\$7,041.91	2019
Patrick Ho Ek Seng , James Scott and A Martin <i>(UQ)</i>	Early Psychosis	Stimulating social cognition in early psychosis (SSCEP): Effects of anodal High-Definition transcranial Direct Current Stimulation (HD-tDCS) to the right temporo-parietal junction (rTPJ) in young adults with early psychosis	RANZCP New Investigator Grants 2019	\$6,000	\$0	2019-2020
Lisa Wright , Sally Bennett and Pamela Meredith	Occupational Therapy	Sensory Modulation in Mental Health Care: Phase two: Translating sensory modulation approaches into mental health practice: Outcomes of implementing a behaviour change intervention	TPCH Hospital Foundation, through The Common Good	\$7,041.91	\$7,041.91	2019
Lisa Fawcett, Nathan Dart and Niall Higgins	Nursing	Trauma Informed Care and Practice model of nursing care	Queensland Health Nurses and Midwives Innovation Fund	\$369,781	\$300,064	2019-2021
Niall Higgins , Xiaohui Tao <i>(USQ)</i> and Raj Gururajan <i>(USQ)</i>	Nursing	Remote patient monitoring via non-invasive digital technology: a preliminary evaluation of a system for respiratory observations	Metro North Mental Health	\$8,566	\$8,566	2019-2020
Michael Breakspear, Nick Martin, Gerard Byrne , Stephen Rose, Olivier Salvado, Osvaldo Almeida, Gail Robinson , Michael Weiner and Nancy Pachana	Older Persons Mental Health	Prospective imaging study of ageing: genes, brain and behaviour (PISA)	National Health and Medical Research Council	\$6,465,047.40	\$1,293,009.48	2015-2020
Jerome Sarris, Chee Ng, Gerard Byrne , David Castle and David Camfield	Older Persons Mental Health	N-Acetyl Cysteine in the adjunctive treatment of obsessive-compulsive disorder: A 16-week, double-blind, randomised, placebo-controlled study	National Health and Medical Research Council	\$850,448	\$212,612	2016-2020
Lisa Wright	Allied Health	AH-TRIP Knowledge Translation Bursary	Metro North Allied Health, AH-TRIP	\$1,900	\$1,900	2019
Tracey Mackle , Sue Patterson , Lucia Colodro Conde and Sarah Medland	Perinatal	Pregnancy, Birth and Trauma; designing a screening tool for post-traumatic stress disorder (PTSD) in the perinatal setting, Metro	Metro North Hospital and Health Service	\$49,486	\$24,743	2019-2020

2019 Research Publications

Journal Articles

1. Ashton MM, Dean OM, Walker A, Bortolasci C, Ng C...**Scott JG**, et al. The Therapeutic Potential of Mangosteen Pericarp as an Adjunctive Therapy for Bipolar Disorder and Schizophrenia. *Front Psychiatry*. 2019 Mar 13; 10:115. doi:10.3389/fpsy.2019.00115
2. Carr P, Rippey J, Cooke M, **Higgins N**, Trevenen M, Foale A, Keijzers G, Rickard C. Derivation of a tool to improve clinical decision making for the insertion of clinically indicated peripheral intravenous catheters and promote vessel health preservation. An observational study. *PLoS One*. 2019 Mar 22;14(3). doi: 10.1371/journal.pone.0213923
3. Carr P, Rippey J, Cooke M, **Higgins N**, Trevenen M, Foale A, Rickard C. Factors associated with first-time insertion success for peripheral intravenous cannulation in the Emergency Department. A multi-centre prospective cohort analysis of patient, clinician, and product characteristics. *BMJ Open*. 2019 Apr 2;9(4). doi:10.1136/bmjopen-2018-022278
4. Chapman J, Childs S, Pratt G, Tillston S, Lau G, Petrucci J, **Patterson S**. Building Healthy Communities through Multidisciplinary Community-Based Lifestyle Interventions. TheMHS Conference Proceedings, Brisbane Australia, 27th-30th August 2019. doi:10.13140/RG.2.2.26558.23366
5. Chapman J, Lau G, Wyder M...**Patterson S**, **Avery N**, **Bligh A**, et al. Staff attitudes and opinions on addressing physical health within mental health and addiction services. TheMHS Conference Proceedings, Brisbane Australia, 27th-30th August 2019. doi:10.13140/RG.2.2.31306.72644
6. Chin K, **Teodorczuk A**, Watson R. Dementia with Lewy bodies: challenges in the diagnosis and management. *Aust N Z J Psychiatry*. 2019 Apr;53(4):291-303. doi:10.1177/0004867419835029
7. Cobham V, Hickling A, Kimball H, Thomas HE, **Scott JG**, Middeldorp C. Systematic Review: Anxiety in children and adolescents with chronic medical conditions. *J Am Acad Child Adolesc Psychiatry* (2019). doi: 10.1016/j.jaac.2019.10.010
8. **Connell M**, **Scott JG**, McGrath JJ, et al. A comparison of hallucinatory experiences and their appraisals in those with and without mental illness. *Psychiatry Res*. 2019 Apr; 274:294-300. doi: 10.1016/j.psychres.2019.01.079
9. Crilly J, Johnston A, Wallis M, Polong-Brown J, **Heffernan E**, Fitzgerald G, Young JT, Kinner S. Clinical characteristics and outcomes of patient presentations to the emergency department via police: A scoping review. *Emerg Med Australas*. 2019 Aug;31(4):506-515. doi:10.1111/1742-6723.13300
10. Dachew B, **Scott JG**, Mamun A, Alati R. Hypertensive disorders of pregnancy and emotional and behavioural problems in children: A longitudinal population-based study. *Eur Child Adolesc Psychiatry*. 2019 Nov. doi:10.1007/s00787-019-01443-0
11. Dachew BA, **Scott JG**, Betts K, Mamun A, Alati R. Hypertensive disorders of pregnancy and the risk of offspring depression in childhood: Findings from the Avon Longitudinal Study of Parents and Children. *Dev. Psychopathol*. 2019 Dec;31(5). Cambridge University Press. 2019 Jul 26. doi:10.1017/S0954579419000944
12. Dachew BA, **Scott JG**, Mamun A, & Alati R. Pre-eclampsia and the risk of attention-deficit/hyperactivity disorder in offspring: Findings from the ALSPAC birth cohort study. *Psychiatry Res*. 2019 Feb; 272:392-397. doi: 10.1016/j.psychres.2018.12.123
13. Dachew BA, **Scott JG**, Mamun A, Alati R. Hypertensive disorders of pregnancy and the risk of anxiety disorders in adolescence: Findings from the Avon Longitudinal Study of Parents and Children. *J Psychiatr Res*. 2019 Mar; 110:159-165. doi: 10.1016/j.jpsychires.2019.01.001
14. **Davidson F**, Clugston B, **Perrin M**, Williams M, **Heffernan E**, Kinner SA. Mapping the prison mental health service workforce in Australia. *Australas Psychiatry*. 2019 Dec 23. doi:10.1177/1039856219891525
15. **Davidson F**, **Heffernan E**, **Hamilton B**, Greenberg D, Butler T, Burgess P. Benchmarking Australian mental health court liaison services – results from the first national study. *J Forens Psychiatry Psychol*. 2019; 30:5:729-743. doi:10.1080/14789949.2019.1646788
16. Dissanayaka N,...**O'Sullivan J**, **Byrne GJ**, **Silburn P**, **Marsh R**, et al. Depression symptomatology correlates with event-related potentials in Parkinson's disease, an affective priming study. *J Affect Disord*. 2019 Feb 15;245:897-904. doi: 10.1016/j.jad.2018.11.094
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63. Thomas HJ, **Scott JG**, Coates JM, Connor JP. Development and validation of the Bullying and Cyberbullying Scale for Adolescents: A multidimensional measurement model. *Br J Educ Psychol.* 2019 Mar;89(1):75-94. doi: 10.1111/bjep.12223
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67. Wole A, Voisey J, **Lawford B**. NLRP3 is associated with coronary artery disease in Vietnam veterans. *Gene.* 2019. doi: 10.1016/j.gene.2019.144163
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Book Chapters / Letters

1. **Clark S, et al (2019)**. 'Substance use and dependency'. *Lewis's Medical-Surgical Nursing ANZ 5th edition*. Elsevier, Marrickville, NSW
2. **Johnson JCS, Byrne GJA**. QT-prolonging agents with risk of torsades de pointes. *Australas Psychiatry.* 2019 Feb;27(1):92. doi: 10.1177/1039856218794875.

Other Publications

1. Capra C, Gardner M, **Scott J**. Ed-LinQ Evaluation Framework. Prepared for Children's Health Queensland
2. Capra C, Garner M, **Scott J**. Evaluation Framework for the Adolescent Extended Treatment Centre (AETC): Final Summary Report for the Mental Health Alcohol and Other Drugs Branch (MHAODB)
3. Gardner M, Capra C, Erskine E, Whiteford H, **Scott J**. Youth Residential Rehabilitation Units Service Evaluation Report. Prepared for the Mental Health Alcohol and Other Drugs Branch
4. **Mercier S, Manolis D, Patterson S & Bicker S**. Evaluation report: development of sensory spaces on adult inpatient mental health units. Report submitted to the Mental Health, Alcohol and Other Drugs Branch, Queensland Health, State of Queensland, Brisbane.

Conference Presentations – Invited Speaker, Oral and Poster

Invited Speakers

1. **Andrew Teodorczuk**. Blackall CA, Delirium: the cognitive superbug. Hobart, Australia. July 2019
2. **Andrew Teodorczuk**. Delirium Update, Older Peoples Statewide symposium. Brisbane. August 2019
3. **Andrew Teodorczuk**. European Delirium Association: Delirium Education: where are we now? Edinburgh. September 2019
4. **Andrew Teodorczuk**. European Delirium Association: How to make delirium education effective. Edinburgh. September 2019
5. **Andrew Teodorczuk**. European Delirium Association: The Wicked Problem of Delirium Education. Edinburgh. September 2019

Invited Speakers (cont)

6. **Andrew Teodorczuk.** RACMA, Resilience and wellbeing: lessons from across the education continuum. Brisbane. November 2019
7. **Andrew Teodorczuk.** Recent advances in management and assessment of delirium. Statewide Older Peoples Mental Health Symposium. August 2019
8. **Andrew Teodorczuk.** Delirium: Past Present and Future. The Prince of Wales Hospital. May 2019
9. **Ed Heffernan, Fiona Davidson, Carla Meurk.** Mental health of police. RANZCP Congress. Cairns. 13 May 2019
10. **Ed Heffernan, Penny Dale, Yasmin Muller, Fiona Davidson, Megan Steele, Elissa Waterson.** From custody to community, the Indigenous Mental Health Intervention Program. RANZCP Congress. Cairns. 13 May 2019
11. **Gerard Byrne.** Are self-ratings or informant-ratings of anxiety better in the presence of dementia? International Geriatrics and Gerontology Association – European Regional Conference. Gothenburg, Sweden. May 2019
12. **Gerard Byrne.** Can suicide be prevented in older people? Centre for Health Services Research Geriatric Seminar. Translational Research Institute, University of Queensland. Princess Alexandra Hospital. Brisbane. November 2019
13. **Gerard Byrne.** Risk in Older People: Assessment and Mitigation. Psychiatric Masterclass. Perth, Western Australia. March 2019
14. **Gerard Byrne.** Trick question: Can suicide be prevented? Risk assessment and mitigation in older people. Australian Psychological Society – Psychology & Ageing Interest Group. Auckland University of Technology, Auckland, New Zealand. June 2019
15. **James Scott.** Bullying: Definition, Prevalence and Longitudinal Outcomes at “The Causes and Consequences of Childhood Bullying. An Australian and Danish Workshop”. Aarhus University Denmark. 30th October 2019
16. **James Scott.** Psychosocial interventions in schizophrenia: Back to the Future Vision 2020. Sydney. 30 March 2019
17. **James Scott.** The mistaken identity of autoimmune encephalitis. Psyacademy. Melbourne. 21 September 2019.

Oral Presentations

1. **Amanda Davis.** Innovative methods enhance confidence and competence of Dietitians to deliver dietetic interventions for eating disorders. Dietitians Association of Australia Conference. 13 August 2019
2. **Amanda Davis.** Solving the supervision dilemma for Dietitians working in Eating Disorders - Innovative programmes from a state-wide advisory service. Australian New Zealand Academy for Eating Disorders 17th Annual Conference 2019. 23 August 2019
3. **Amanda Davis.** Solving the supervision dilemma for Dietitians working in Eating Disorders - Innovative programmes from a state-wide advisory service. Dietitians Association of Australia 36th Annual Conference. 13 August 2019
4. **Bozica Stumfol.** Application of EMDR therapy for an elderly man with a lifelong anxiety disorder: a case study. Older Person's Mental Health Statewide Symposium, RBWH, Brisbane. 9 August 2019
5. **Carla Meurk, Megan Steele, Jackyln Schess, Lorraine Yap, Jocelyn Jones, Scott Harden, Tony Butler, Ed Heffernan.** Prevalence of mental disorder among justice involved youth: A cross-sectional survey. Justice Health Conference, Public Health Association of Australia, Sydney. 10 April 2019
6. **Catherine Doyle, Amy Hannigan and Jacqueline Byrne.** Carer Peer Mentor Pilot Program: Feasibility and Qualitative evaluation. Australian New Zealand Academy for Eating Disorders 17th Annual Conference. 24 August 2019
7. Justin Chapman, Stephen Tillston, Sarah Childs, Greg Pratt, Shuichi Suetani, Dan Siskind, and **Sue Patterson.** Building healthy communities through multidisciplinary community-based lifestyle interventions. Brisbane North Allied Health Conference, Chermide, Brisbane. 21 May 2019
8. **Darren Neillie.** RANZCP Family Violence in Psychiatry Network: improving capacity of mental health services to respond to family violence. RANZCP Congress, Cairns. 14 May 2019
9. **Dylan Flaws.** Clinician scientist perspective/career. Faculty of Medicine's annual MD Student Research Welcome and Expo for incoming medical students in 2020. 9 April 2019
10. **Dylan Flaws.** Enabling clinical research through Partnership. The MNHHS Interactive Research Workshop. 13 August 2019
11. **Dylan Flaws.** The role of research in ongoing medical training. Australian Medical Student Journal Research Symposium. 19 July 2019
12. **Ed Heffernan, Carla Meurk, Megan Steele, Elissa Waterson.** Partnering with police to improve outcomes in mental health crisis situations. RANZCP Congress. Cairns. 14 May 2019
13. **Ed Heffernan, Carla Meurk.** Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations. TheMHS Conference 2019. Brisbane. 28 August 2019
14. **Ed Heffernan, Penny Dale, Yasmin Muller, Fiona Davidson, Megan Steele, Elissa Waterson.** From custody to community, the Indigenous Mental Health Intervention Program. TheMHS Conference 2019. Brisbane. 29 August 2019
15. **Ed Heffernan.** Innovations in community services (symposium). The MHS Conference 2019, Brisbane. 28 August 2019
16. **Fiona Davidson.** Diversion down under: how well do Australian mental health court liaison services perform? Justice Health Conference, Public Health Association of Australia, Sydney. 10 April 2019
17. **Gerard Byrne.** Assessment of anxiety in the presence of dementia. Annual Congress of the Royal Australian & New Zealand College of Psychiatrists. Cairns, Queensland. May 2019
18. **James Scott, Frances Dark, Julianne Fraser, Faith Ng, Stephen Parker, Katherine Moss, Eesharnan Mahendran and Brendon Eyre.** Welcome to the breakfast club: fostering culture, diversity and mutual learning among registrars and early career psychiatrists through research. RANZCP Congress. Cairns. 13 May 2019
19. **James Scott.** The aggressive child. Royal Australian and New Zealand College of Psychiatrist Congress. Cairns. 14 May 2019
20. John Reilly, Calogero Longhitano, **Darren Neillie.** Violence risk assessment and management framework: mental health services. RANZCP Congress. Cairns. 14 May 2019

Oral Presentation (cont)

21. **Julie Ewing**. A physical health audit's impact on care design. Australian College of mental Health Nursing conference. Sydney. 8-10 October 2019
22. **Katherine Moss, Ed Heffernan, Carla Meurk**, Megan Steele. Physical health and mental illness: can implementation science assist in addressing the needs of forensic patients in secure facilities? RANZCP Congress. Cairns. 14 May 2019
23. **Lisa Wright**, Pamela Meredith, Sally Bennett. "Why didn't you just give them PRN": Investigating the factors influencing the implementation in inpatient mental health units. Occupational Therapy 28th National Conference and Exhibition 2019. Sydney. 10-12 July 2019
24. Megan Steele, **Carla Meurk, Jackyln Schess**, Lorraine Yap, Jocelyn Jones, Scott Harden, Tony Butler, **Ed Heffernan**. Substance use patterns of justice involved youth. Justice Health Conference. Public Health Association of Australia, Sydney. 10 April 2019
25. **Melissa Connell**. Trauma Informed Care and Practice in MNMH-ADS. Queensland Health Mental Health Alcohol and Other Drugs Senior Leaders Group (SLG) forum. Victoria Park, Brisbane. 13 August 2019
26. **Melissa Connell, Kim Sander, Annaketurah Ralph, John Kelly, Nicole Brigg**. Becoming Trauma Informed: MNMH-ADS journey of developing and implementing a model of Trauma Informed Care and Practice. Australian Winter School 2019. 25-26 July 2019
27. Oystein Tronstad, **Dylan Flaws, Sue Patterson**, John Fraser. ICU of the Future - how redesigning the ICU environment can improve patient outcomes. 29th TheMHS Conference 2019. 28 August 2019
28. Oystein Tronstad, **Dylan Flaws, Sue Patterson**, John Fraser. What are the short and long-term impacts of an ICU admission on the patient? 29th TheMHS Conference 2019. 28 August 2019
29. Oystein Tronstad, **Dylan Flaws, Sue Patterson**, John Fraser. How does the ICU environment impact staff experience and patient care: implications for environmental development. World Congress of Intensive Care. Melbourne. 14-18 October 2019
30. **Sally Mercier, Danielle Manolis, Sue Patterson, Samantha Bicker**. It makes sense, therapeutically: Creating sensory spaces in mental health inpatient units. 29th TheMHS Conference 2019, 28 August 2019 & Statewide Leaders' Forum, 13 August 2019.

Poster Presentations

1. **Bridget Johnson, George Bruxner, Sue Patterson**. Optimising Psychiatric After-Hours Duty: The Implementation and Impact of a Short Cycle After-Hours Roster. RANZCP Congress in Cairns. 12-16 May 2019
2. **Bruce Collyer, Diane Burrows and Imani Gunasekara**. 'Onboarding, to recovery'. Presented to: ACMHN 45th International Mental Health Nursing Conference. Sheraton Grand Sydney Hyde Park. 8-10 October 2019
3. **Lisa Wright, Margherita Chiavone**. Psychiatric Intensive Care Units: Developing a Role for Occupational Therapists. Presented by L.Wright at Occupational Therapy 28th National Conference and Exhibition 2019. Sydney. 10-12 July 2019
4. Oystein Tronstad, **Dylan Flaws, Sue Patterson**, John Fraser. What can ICU patients tell us about their experience and the impact of the environment on their recovery? World Congress of Intensive Care. 14-18 October 2019
5. Oystein Tronstad, **Dylan Flaws, Sue Patterson**, John Fraser. When a flower doesn't bloom, you fix the environment where it grows, not the flower – Designing the ideal ICU. World Congress of Intensive Care. 14-18 October 2019
6. **Scott Haworth, Robin Counsel and Imani Gunasekara**. 'To debrief or not to debrief: Adding a collaborative approach to decreasing repeated restrictive practices'. Presented to: ACMHN 45th International Mental Health Nursing Conference; Sheraton Grand Sydney Hyde Park. 8 -10 October 2019.

Other communications and outputs:

1. Hielscher E, **Scott JG**. "Researchers identify risk factors for teens attempting suicide". Brisbane Times (9 Dec). <https://www.brisbanetimes.com.au/national/queensland/researchers-identify-risk-factors-for-teens-attempting-suicide-20191208-p5310i.html>
2. Hielscher E, **Scott JG**, Diminic S. (2019). "For people with a mental illness, loved ones who care are as important as formal supports". The Conversation (17 October). <https://theconversation.com/for-people-with-a-mental-illness-loved-ones-who-care-are-as-important-as-formal-supports-120344>
3. **Scott JG**. (2019). "Mum discovers heartbreaking note years after Victorian teen Cassidy Trevan's death". Channel 9 News (4 April). <https://www.9news.com.au/national/victoria-news-mum-discovers-heartbreaking-note-years-after-teen-cassidy-trevans-death/34b1a51b-d0e0-44c3-b5eb-447ea1fa0540>
4. **Scott JG**. (2019). "Researchers count the ways children are abused in bid to uncover economic cost". ABC News (11 Mar). <https://www.abc.net.au/news/2019-03-11/child-abuse-study-financial-cost/10883284>.