

2021

# RBWH Research Report

MENTAL HEALTH  
SERVICES

# Contents

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## Metro North Mental Health



**Dr Kathryn Turner**  
**Executive Director**

In 2021, Metro North Mental Health welcomed Dr Kathryn Turner, as Executive Director following Professor Brett Emmerson's retirement from the role after 25 years. Dr Turner brings to the role her extensive expertise and leadership in suicide prevention, having steered significant organisational practice change in her previous Clinical Director role.

2021 continued to be a challenging one with the demand for mental health services growing while the service dealt with the ongoing demands presented by COVID-19. Within this challenging context, MNMH's clinicians and researchers continued their pursuit of knowledge that will inform the continued delivery of high quality mental health care for residents within the Metro North region. The dedication of clinicians and researchers to this task resulted in more than 60 peer reviewed publications and awarding of grants to address significant mental health issues facing vulnerable Australians.

A particular highlight was the successful collaboration with QIMR Berghofer by four of our staff, A/Prof Kylie Burke, Ms Danielle Alchin, Mr Chris Henaway and Professor James Scott, who were awarded a NHMRC Ideas grant amounting to more than \$2.8M to improve mental health outcomes for First Nations consumers. The study will engage with consumers and communities, service providers and policy makers to co-design, deliver and evaluate a person-centred, communication training package (CTP) for non-indigenous mental health professionals, improving mental health outcomes and building a culturally sensitive and capable mental health workforce.

Another achievement of MNMH in 2021 was the successful completion of an innovative dietician led clinic for people with severe mental illness funded by Janssen. The clinic saw 26 patients over 3 months with positive feedback from those patients about the experience. Further, results are currently being evaluated by MNMH's Cassie Benson to determine the feasibility and effectiveness of the model of care moving forward. We look forward to seeing these results.

### Research Awards and Achievements

Recipient (RBWH staff in bold)	Award	Event
McDonald, C., Daelman, T., Grozdanovic, E., Wilkinson, N., <b>Higgins, N, and Fawcett, L.</b>	Winner – Fostering Innovation "RBWH-ETC Mental Health SWIM project	Quality Awards Recognising Remarkable Initiative & Excellence in Service (QuARRIES)

### Research Grants

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Rajib Rana, <b>Niall Higgins</b>	USQ	Using Artificial Intelligence to prioritise emergency calls for suicide prevention due to COVID-19 pandemic	Advance Queensland Industry Research Fellowships	\$300,000.00	2020-2023

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
<b>Niall Higgins</b>	USQ	Patient vital signs monitoring via RFID motion sensing	Metro North Mental Health Service	\$8,566.91	2018-2023
Hielscher, E., <b>Scott, J. G.</b> , Crandon, T.	Mental Health	Fostering sense of purpose in young people to prevent anxiety and depression.	Wellcome Trust	\$83,000.00	2021-2022
Amminger, P., McGorry, P., Lin, A., Yung, A., Nelson B., Wood, S., Berger, M., Killackey, E., Thompson, A., O'Donoghue B., <b>Scott, J.</b> , Clarke, S., McGregor, I., Yuen, H.,	Mental Health	The Cannabidiol Early Psychosis Project: A Randomised Controlled Trial.	Wellcome Trust	\$6,286,731.00	2021-2025
Hieschler, E., <b>Scott, J.</b> , Lawrence, D., Batterham, P	Mental Health		Suicide Prevention Australian	\$66,065.00	2021
Heffernan, E., Williams, M., Harden, S., <b>Scott, J.</b> , Watson, M., Stathis, S., Kinner, S., Meurk, C., Steele, M., Pratt, G.	Mental Health	IMHIP-Youth: A multi-disciplinary collaboration to embed and evaluate a model of social and emotional wellbeing care for Indigenous adolescents who experience detention	Medical Research Future Fund (MRFF).	\$1,988,280.32	2021-2023
<b>Scott, J.</b> , Blum, S., Lennox, B., Greer, J., O'Donoghue, B., Benros, M., Siskind, Dan., & Suetani, S.	Mental Health	Identifying and treating patients with psychosis who are positive to anti-neuronal antibodies.	National Health and Medical Research Council	\$810,745.40	2019-2021
<b>Najman, J. M.</b> , McGee, T., Farrington, D., <b>Scott, J.G.</b> , Williams, G. M., Clavarino, A., Middeldorp, C.	Mental Health	Child & Adolescent Victimization: Prevalence & Predictors in Australia,	Australian Research Council.	\$560,468.00	2020-2022
Eapen, V., Liaw, S., Pritchard, M., Lingam, R., Woolfenden, S., Jalaludin, B., Page, A., Kohlhoff, J., <b>Scott, J.</b> , Lawson, K.	Mental Health	"Watch Me Grow": Changing practice to improve Universal Child Health and Developmental Surveillance in the primary care setting"	National Health and Medical Research Council	\$1,195,014.00	2020-2022
<b>Hayes, L</b>		Burns Survivors Offering Assistance in Recovery (SOAR)	Burns Team via philanthropic donation (Anglo American)	\$100,000.00	

Investigator Names (RBWH staff in bold)	RBWH Departments / Research Groups	Research Project Title	Granting Body	Total Awarded (whole all years)	Length of Awards in years and years active
Pratt, G, Combo, M; Bernards, C; Ekberg, S; Isua, J; Medlin, L; <b>Burke, K</b> ; Birch, S; Meuter, R; Mushin, I; <b>Scott, J</b> ; Toombs, M; Williamson, D; Douglas, T; <b>Alchin, D</b> ; <b>Henaway, C</b> ; Bean, N; Williams, H.	Mental Health	Communication training for mental health professionals: developing cultural sensitivity and capability to improve Aboriginal and Torres Strait Islander people mental health outcomes	NHMRC	\$2.844,349.72M	

### Current RBWH Department / Research Group Led Research Activity

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
<b>Heyes, L</b>	Brown, J	Burns Survivors Offering Assistance in Recovery (SOAR).	n/a	n/a
<b>Thomas, R</b>		Clozapine induced hepatic injury: Systematic review		
<b>Laura Freeburn</b>	<b>Lisa Fawcett, Nathan Dart, Niall Higgins, Tegan Louttit, Robin Council, Melanie Sullivan, Lucinda Burton</b>	Trauma Informed Care: Aligning Culture with Values	n/a	n/a

### Collaborative Research Activity Involving RBWH Department / Research Group

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Mosley, Philip	Velakoulis, Dennis; Farand, Sarah; <b>Marsh, Rodney</b> ; Mohan, Adith; Castle, David; Sachdev, Perminder	Deep Brain Stimulation in Severe Enduring Anorexia Nervosa (SEAN) Trial		
Ratcliffe, S;	Rosenberg, J., Stafford, L., Kelly, B., Agar, M., Best, M. <b>Boon, K.</b> , Dhillon, H.M., Kissane, D., Lobb,E., Milne, D., Philip, J., Turner,J., Shaw, J.,	Experiences of moral distress among health care professionals in oncology and palliative care in Australia: A Qualitative investigation.	n/a	n/a
Hoey, P	Kimberley Ryan, Mark Appleyard, Neha Tiwari, <b>Boon, K</b>	Service evaluation of an interdisciplinary model of care for the management of repeated intentional foreign body ingestion in patients with Emotionally Unstable Personality Disorder		

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
<b>Scott, James</b>	Judith Greer, Stefan Blum, Belinda Lennox, Brian O'Donoghue, Michael Benrol, Dan Siskind, Shuichi Suetani	H-RAP (High risk for autoimmune psychosis)	821	821
<b>Scott, James</b>	Dr George Bruxner, Associate Professor Gail Robinson, Dr Terry Stedman, Dr Drew Richardson, Dr Allan Drummond, Dr Digant Roy, Dr Peter Donovan, Dr Jacobus Ungerer, Dr Gunter Hartel, A/Professor Luca Cocchi, <b>Dr Vikas Moudgil</b> , Dr Ravinder Sohal, Dr Emma Whittle, Dr Anne Gordon, Lachlan Clarke, Andrea Baker	Cadence Discovery: A dose finding study of sodium benzoate in schizophrenia	5	5
<b>Scott, James</b>	Emily Hielscher, Ed Heffernan, Carla Meurk, Lisa Wittenhagen	Partners in Prevention (PiP) project. Data linkage of suicide-related police/ambulance calls	n/a	n/a
<b>Flaws, Dylan</b>	Tippett, V; Barnett, A; Corley, A; Fraser, J; Latu, J; Lavana, J; Laupland, K; Lye, I; Patterson, S; Ramanan, M; Tabah, A; Tayal, S; Teodoczuk.	Tracking Outcomes Post Intensive Care (TOPIC)	180-200	180-200
<b>Subramanian Purushothaman</b> Emily Martin	Emma Ballard <b>Kylie Burke</b> Julie Blake <b>James Scott</b> Margaret Buda	The Provision of Electroconvulsive Therapy at a Tertiary Mental Health Facility	n/a	n/a
<b>Ward, W.,</b>	Pankaj, S	Deep Brain Stimulation (DBS) of the Nucleus Accumbens for Treatment Resistant Severe and Enduring Anorexia Nervosa: A Phase 1 Open Trial	2	2
<b>Burke, Kylie</b>	<b>Giebels, E; Higgins, N; Scott, J;</b> Parker, S; Heffernan, E; Davidson, F; Wilson, H; Hannigan, A; Gunasekara, I; Brigg, N; Teodorczuk, A; Flaws, D.	Research Integration into Practice Project	n/a	n/a
<b>Burke, Kylie</b>	<b>Giebels, E; Higgins, N;</b> Soares, T	A systematic review of models of service that care for adults experiencing serious mental illness in secure rehabilitation facilities	n/a	n/a
<b>Vickers, Mark</b>	<b>Ramineni, Vinet</b>	Risk factors for Clozapine induced cardiac adverse events: A systematic review and meta-analysis	n/a	n/a
<b>Ho, Patrik</b>	n/a	Effects of High-Definition transcranial Direct Current Stimulation on Social Cognition in Young Adults with Early Psychosis	n/a	n/a

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Nasrallah, Fatima;	<b>Reutens, David</b> ; Chandra, Shekhar; Walsham, James; Russell, Trevor; Bhuta, Sandeep; Ross, Jason, Esther Jacobson; Cliff Pollard; Professor Jeff Lipman; Professor Michael Reade; <b>A/Prof. Dylan Flaws</b> ; Dr Siva Senthuran; Dr James Walsham; Dr Lewis Campbell; Dr James McCullough; Dr Mark Sheridan; <b>Dr Craig Winter</b> ; Dr Jason Ross; Dr Shekhar Chandra; Dr Sandeep Bhuta; <b>Dr Trevor Russell</b> ; Dr David Reutens; Dr Katie McMahon; Dr Dana Bradford; Mr. Tim Cudmore; Dr James Doecke; <b>Professor Kevin Laupland, Dr Perry Cleland,</b>	Prediction and Diagnosis using Imaging and Clinical Biomarkers Trial in Traumatic Brain Injury (PREDICT-TBI)	23	23
Higgins, N		Prevalence of loneliness in the Older population		
Higgins, N				
Aditi Bose (USQ)	Rajib Rana (USQ), <b>Niall Higgins</b>	Systematic Review of technology-based approaches for assessment and diagnosis of mental illness	n/a	n/a
Louise Durant (TPCH)	Jeremy Hayllar, <b>Niall Higgins</b> , Karen Li Hoiyan	Nurse led overdose training for opioid treatment clients	100	100
Judy Munday (QUT)	Samantha Keogh (QUT), <b>Niall Higgins</b> , Jed Duff (QUT)	Prevalence of inadvertent perioperative hypothermia, active warming and perioperative temperature monitoring: a systematic review	n/a	n/a
Conor O'Luanaigh (TPCH)	Isabel O'Brien (USC), Ilna Agarwal (TPCH), Rosie Bruce (USC), Lin Lin Thaw (TPCH), <b>Niall Higgins</b>	Prevalence of loneliness in community dwelling older adults with co-morbid mental health problems	61	61
Zhang LY (TPCH)	James Anderson (TPCH), <b>Niall Higgins</b> , Andrew Burke (TPCH), Gail Robinson (TPCH), Diane Curtin (TPCH), George Tay (TPCH)	Screening for Obstructive Sleep Apnoea in Mental Health Patients	30	30
<b>Niall Higgins</b>	<b>Nicole Marsh, Emily Larsen</b>	Survey of staff experiences during COVID19 pandemic	554	554
Judy Munday (QUT)	Samantha Keogh (QUT), <b>Niall Higgins</b>	A comparison of non-invasive zero-heat-flux thermometry with invasive oesophageal measurements for consistent perioperative	28	28
Jordan Laurie (QUT)	<b>Niall Higgins</b> , Thierry Peynot (QUT), Jonathan Roberts (QUT)	Dedicated exposure control for remote photoplethysmography	n/a	n/a
Rajib Rana (USQ)	<b>Niall Higgins</b>	Automated Mood Inference Tool	2	11
Rajib Rana (USQ)	<b>Niall Higgins</b> , Kazi Shezan (USQ)	In-call distress inference for effective triaging in emergency response services	n/a	



Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Ilias Ibrahim (USQ)	Rajib Rana (USQ), <b>Niall Higgins</b>	Improving the Robustness of Automatic Speech Emotion Recognition System against Adversarial Attack	n/a	n/a

## Research Activity with a Specific Focus on First Nations People

Lead Investigator Name (RBWH staff in bold)	Other Study Investigators (RBWH staff in bold)	Research Project Title	Number of RBWH Patients Recruited in 2021	Total number of RBWH Patients Recruited
Pratt, G	Combo, M; Bernards, C; Ekberg, S; Isua, J; Medlin, L; Burke, K; Birch, S; Meuter, R; Mushin, I; Scott, J; Toombs, M; Williamson, D; Douglas, T; Alchin, D; Henaway, C; Bean, N; Williams, H.	Communication training for mental health professionals: developing cultural sensitivity and capability to improve Aboriginal and Torres Strait Islander people mental health outcomes	n/a	n/a

## Research Publications

### Publications in 2021

#### Journal Articles (RBWH staff in bold)

1. Amminger, G. P., Lin, A., Kerr, M., Weller, A., Spark, J., Pugh, C., O'Callaghan, S., Berger, M., Clark, S. R., **Scott, J. G.**, Baker, A., McGregor, I., Cotter, D., Sarnyai, Z., Thompson, A., Yung, A. R., O'Donoghue, B., Killackey, E., Mihalopoulos, C., Yuen, H. P., Nelson, B., & McGorry, P. D. (2021). Cannabidiol for at risk for psychosis youth: A randomized controlled trial. *Early Interv Psychiatry*. <https://doi.org/10.1111/eip.13182>
2. Antti, M., Anni-Emilia, A., Caroline, S., Tuula, H., Jonna, L., **Scott, J. G.**, Jouko, M., & Solja, N. (2021). Age of first alcohol intoxication and psychiatric disorders in young adulthood - A prospective birth cohort study. *Addict Behav*, 118, 106910. <https://doi.org/10.1016/j.addbeh.2021.106910>
3. Blake, J. A., Gardner, M., Najman, J., & **Scott, J. G.** (2021). The association of birth by caesarean section and cognitive outcomes in offspring: a systematic review. *Soc Psychiatry Psychiatr Epidemiol*, 56(4), 533-545. <https://doi.org/10.1007/s00127-020-02008-2>
4. Blake, J. A., Pelecanos, A., Najman, J. M., Callaway, L., & **Scott, J. G.** (2021). The association between birth by caesarean section at term and offspring cognitive and academic performance: A birth cohort study. *Aust N Z J Obstet Gynaecol*. <https://doi.org/10.1111/ajog.13403>
5. Charlson, F., Ali, S., Benmarhnia, T., Pearl, M., Massazza, A., Augustinavicius, J., & **Scott, J. G.** (2021). Climate Change and Mental Health: A Scoping Review. *Int J Environ Res Public Health*, 18(9). <https://doi.org/10.3390/ijerph18094486>
6. Dachew, B. A., **Scott, J. G.**, & Alati, R. (2021). Gestational urinary tract infections and the risk of antenatal and postnatal depressive and anxiety symptoms: A longitudinal population-based study. *J Psychosom Res*, 150, 110600. <https://doi.org/10.1016/j.jpsychores.2021.110600>
7. Dachew, B. A., **Scott, J. G.**, Mamun, A., Fetene, D. M., & Alati, R. (2021). Maternal hypertensive disorders during pregnancy and the trajectories of offspring emotional and behavioral problems: the ALSPAC birth cohort study. *Ann Epidemiol*, 53, 63-68.e61. <https://doi.org/10.1016/j.annepidem.2020.08.015>
8. Dissanayaka, N. N., Forbes, E. J., Yang, J. H. J., Pourzinal, D., O'Sullivan, J. D., Mitchell, L. K., Copland, D. A., McMahon, K. L., & **Byrne, G. J.** (2021). Anxiety disorders are associated with verbal memory impairment in patients with Parkinson's disease without dementia. *J Neurol*. <https://doi.org/10.1007/s00415-021-10736-x>



## Journal Articles (RBWH staff in bold)

9. Forbes, E. J., **Byrne, G. J.**, O'Sullivan, J. D., Yang, J., Marsh, R., & Dissanayaka, N. N. (2021). Defining Atypical Anxiety in Parkinson's Disease. *Mov Disord Clin Pract*, 8(4), 571-581. <https://doi.org/10.1002/mdc3.13193>

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10. **Fleming, C.**, Le Brocq, R., & Healy, K. (2021). How are families included in the treatment of adults affected by eating disorders? A scoping review. *The International journal of eating disorders*, 54(3), 244-279. <https://doi.org/10.1002/eat.23441>

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11. **Gray, E. J., Scott, J. G.**, Lawrence, D. M., & Thomas, H. J. (2021). Concordance between adolescents and parents on the Strengths and Difficulties Questionnaire: Analysis of an Australian nationally representative sample. *Aust N Z J Psychiatry*, 48674211009610. <https://doi.org/10.1177/00048674211009610>

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12. Hides, L., Quinn, C., Chan, G., Cotton, S., Pocuca, N., Connor, J. P., Witkiewitz, K., **Daglish, M. R. C.**, Young, R. M., Stoyanov, S., & Kavanagh, D. J. (2021). Telephone-based motivational interviewing enhanced with individualised personality-specific coping skills training for young people with alcohol-related injuries and illnesses accessing emergency or rest/recovery services: a randomized controlled trial (QuikFix). *Addiction*, 116(3), 474-484. <https://doi.org/10.1111/add.15146>

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13. Hielscher, E., DeVlyder, J., Hasking, P., Connell, M., Martin, G., & **Scott, J. G.** (2021a). Can't get you out of my head: Persistence and remission of psychotic experiences in adolescents and its association with self-injury and suicide attempts. *Schizophr Res*, 229, 63-72. <https://doi.org/10.1016/j.schres.2020.11.019>

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14. Hielscher, E., DeVlyder, J., Hasking, P., Connell, M., Martin, G., & **Scott, J. G.** (2021b). Mediators of the association between psychotic experiences and future non-suicidal self-injury and suicide attempts: results from a three-wave, prospective adolescent cohort study. *Eur Child Adolesc Psychiatry*, 30(9), 1351-1365. <https://doi.org/10.1007/s00787-020-01593-6>

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15. Ip, H. F., van der Laan, C. M., Krapohl, E. M. L., Brikell, I., Sánchez-Mora, C., Nolte, I. M., St Pourcain, B., Bolhuis, K., Palviainen, T., Zafarmand, H., Colodro-Conde, L., Gordon, S., Zayats, T., Aliev, F., Jiang, C., Wang, C. A., Saunders, G., Karhunen, V., Hammerschlag, A. R., Adkins, D. E., Border, R., Peterson, R. E., Prinz, J. A., Thiering, E., Seppälä, I., Vilor-Tejedor, N., Ahluwalia, T. S., Day, F. R., Hottenga, J. J., Allegrini, A. G., Rimpfeld, K., Chen, Q., Lu, Y., Martin, J., Soler Artigas, M., Rovira, P., Bosch, R., Español, G., Ramos Quiroga, J. A., Neumann, A., Ensink, J., Grasby, K., Morosoli, J. J., Tong, X., Marrington, S., Middeldorp, C., **Scott, J. G.**, Vinkhuyzen, A., Shabalin, A. A., Corley, R., Evans, L. M., Sugden, K., Alemany, S., Sass, L., Vinding, R., Ruth, K., Tyrrell, J., Davies, G. E., Ehli, E. A., Hagenbeek, F. A., De Zeeuw, E., Van Beijsterveldt, T., Larsson, H., Snieder, H., Verhulst, F. C., Amin, N., Whipp, A. M., Korhonen, T., Vuoksima, E., Rose, R. J., Uitterlinden, A. G., Heath, A. C., Madden, P., Haavik, J., Harris, J. R., Helgeland, Ø., Johansson, S., Knudsen, G. P. S., Njolstad, P. R., Lu, Q., Rodriguez, A., Henders, A. K., Mamun, A., **Najman, J. M.**, Brown, S., Hopfer, C., Krauter, K., Reynolds, C., Smolen, A., Stallings, M., Wadsworth, S., Wall, T. L., Silberg, J. L., Miller, A., Keltikangas-Järvinen, L., Hakulinen, C., Pulkki-Räback, L., Havdahl, A., Magnus, P., Raitakari, O. T., Perry, J. R. B., Llop, S., Lopez-Espinosa, M. J., Bønnelykke, K., Bisgaard, H., Sunyer, J., Lehtimäki, T., Arseneault, L., Standl, M., Heinrich, J., Boden, J., Pearson, J., Horwood, L. J., Kennedy, M., Poulton, R., Eaves, L. J., Maes, H. H., Hewitt, J., Copeland, W. E., Costello, E. J., Williams, G. M., Wray, N., Järvelin, M. R., McGue, M., Iacono, W., Caspi, A., Moffitt, T. E., Whitehouse, A., Pennell, C. E., Klump, K. L., Burt, S. A., Dick, D. M., Reichborn-Kjennerud, T., Martin, N. G., Medland, S. E., Vrijkotte, T., Kaprio, J., Tiemeier, H., Davey Smith, G., Hartman, C. A., Oldehinkel, A. J., Casas, M., Ribasés, M., Lichtenstein, P., Lundström, S., Plomin, R., Bartels, M., Nivard, M. G., & Boomsma, D. I. (2021). Genetic association study of childhood aggression across raters, instruments, and age. *Transl Psychiatry*, 11(1), 413. <https://doi.org/10.1038/s41398-021-01480-x>

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16. Jadambaa, A., Brain, D., Pacella, R., Thomas, H. J., McCarthy, M., **Scott, J. G.**, & Graves, N. (2021). The Economic Cost of Child and Adolescent Bullying in Australia. *J Am Acad Child Adolesc Psychiatry*, 60(3), 367-376. <https://doi.org/10.1016/j.jaac.2020.05.010>

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17. Jadambaa, A., Graves, N., Cross, D., Pacella, R., Thomas, H. J., **Scott, J. G.**, Cheng, Q., & Brain, D. (2021). Economic Evaluation of an Intervention Designed to Reduce Bullying in Australian Schools. *Appl Health Econ Health Policy*. <https://doi.org/10.1007/s40258-021-00676-y>

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18. **Ketheesan, S., Bertram, G.**, Adam, R., **Stark, A.**, & **Scott, J. G.** (2021). Muddying the waters? A false positive case of autoimmune psychosis. *Australas Psychiatry*, 29(3), 278-281. <https://doi.org/10.1177/1039856220965041>

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19. **Khoo, T.**, Warren, N., **Jenkins, A.**, & **Turner, J.** (2021). Teaching medical students remotely during a pandemic - what can psychiatry offer? *Australas Psychiatry*, 29(3), 361-364. <https://doi.org/10.1177/1039856220971931>

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20. **Laurie, J., Higgins, N.**, Peynot, T., Fawcett, L., & Roberts, J. (2021). An evaluation of a video magnification-based system for respiratory rate monitoring in an acute mental health setting. *Int J Med Inform*, 148, 104378. <https://doi.org/10.1016/j.ijmedinf.2021.104378>

## Journal Articles (RBWH staff in bold)

21. Mosley, P. E., Robinson, K., Dissanayaka, N. N., Coyne, T., Silburn, P., **Marsh, R.**, & Pye, D. (2020). A Pilot Trial of Cognitive Behavioral Therapy for Caregivers After Deep Brain Stimulation for Parkinson's Disease. *Journal of Geriatric Psychiatry and Neurology*, 34(5), 454-465. <https://doi.org/10.1177/0891988720924720>
22. Mosley, P. E., Velakoulis, D., Farrand, S., **Marsh, R.**, Mohan, A., Castle, D., & Sachdev, P. S. (2021). Deep brain stimulation for treatment-refractory obsessive-compulsive disorder should be an accepted therapy in Australia. *Australian & New Zealand Journal of Psychiatry*, 00048674211031482. <https://doi.org/10.1177/00048674211031482>
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## Books (RBWH staff in bold)

1. **Stark, A.** (2021). *Medicine Women: An Anthology of Stories and Letters by Female Doctors and Health Professionals*

## Keynote or Plenary Lectures given in 2021

Date	Title
07/2021	Huntington's Disease (Author: Rodney Marsh)