



Royal Brisbane and Women's Hospital

# RBWH Research Report 2024

Mental Health Services

Metro North  
Health



Queensland  
Government



Metro North Health acknowledges the Traditional Custodians of the Land upon which we live, work and walk, and pay our respects to Elders both past and present.

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# Mental Health

## Research Highlights

Over the past year people from Metro North Mental Health have been very busy undertaking research and continuous improvement projects to great success. Across Mental Health at the Royal Brisbane and Women’s Hospital, there was numerous research and service and quality improvement projects underway, 42 publications and over \$5,000,000 in research and strategic project funding active in 2024. One impactful project underway last year was, *Haircuts for mental health: Reducing barriers to recovery*, led by Katie Roberts-Slater and the project team: Michelle Roberts, Kylie Burke, Liz Eggins, Tessa Clarkson, Nicole Brigg, Joyce Tan, Sarah Lavelle and Danielle Clapson. People admitted to inpatient wards with longer stays at the Royal Brisbane Women’s Hospital Mental Health Service often lack access to haircuts due to barriers like mental illness, financial constraints, limited leave, and safety risks on the ward. *Haircuts for Mental Health* is evaluating whether reducing barriers to self-care, via access to professional hairdressing, during an admission for serious mental illness is associated with improved admission experiences.

MNMH Director of Research, Stephen Parker, was awarded a Metro North Clinician Research Fellowship in 2024. Stephen’s vision as a fellow is to deliver a collaboratively developed evidence-informed pathway of care to improve the outcomes of people experiencing the First Episode of Psychosis and comorbid substance use. We wish him the best and look forward to witnessing the impact of his work. Finally, another exciting project is the *Tracking and Measuring the Mental Health Intensive Discharge Team (MIND)*, led by Carissa Uzabeaga and the project team: Liz Eggins, Mark Butterworth and Kylie Burke. The MIND team provides intensive, evidence-based care, including specialized assessment and coordination, to support individuals with complex psychosocial disabilities in transitioning from hospital to community within Metro North Health. This project evaluates MIND’s implementation and impact with the intention to inform large-scale evaluation and research projects in the future. By tracking the roll-out of MIND, the team can identify critical barriers to discharge, develop strategies to improve patient flow and ensure sustainable community transitions to prevent unnecessary hospitalisations. Overall, this year brought significant advancements in mental health research, and we are excited to build on this momentum for a successful 2025.

## Successful Research Higher Degree candidates in 2024

| Name                    | Title  | Month Competed | Affiliated University    | Summary   |
|-------------------------|--|----------------|--------------------------|---|
| Dr Tessa Clarkson (PhD) | The impact of self and reward on cognitive processes | August 2024    | University of Queensland | This thesis explores the similarities and differences between self and reward biases in cognitive processes, particularly attention, memory, and decision-making, by exploring the Self-Reference Effect (SRE). It examines how these biases interact with age, social salience, and rewards. Key findings conclude that self-relevance alone did not significantly impact attentional capture and the SRE decreased with age <i>and</i> when a socially salient other was introduced. However, the SRE emerged when self-relevant items were paired with reward, with younger adults showing a stronger reliance on reward-based prioritization than older adults. Overall, the findings suggest that the impact of self and reward biases on cognition is influenced by both age and context. |

## Research Awards and Achievements

| Recipient (RBWH staff in bold) | Award   | Event   |
|--------------------------------|---|---|
| <b>Copeland Winten</b>         | Australia and New Zealand Academy for Eating Disorders (ANZAED)and Dietitian Australia Research Prize | Australia and New Zealand Academy for Eating Disorders (ANZAED) |



## Research Grants

| Investigator Names<br>(RBWH staff in bold)   | RBWH<br>Departments<br>/ Research<br>Groups | Research Project Title  | Granting Body                                      | Total<br>Awarded<br>(whole all<br>years) | Length of<br>Awards in<br>years and<br>years active |
|--|---|---|--|--|---|
| <b>Heffernan, E.</b> , Meurk, C., Wallace, D., Khoo, A., McKay, D., Lane, J., <b>Waterson, E.</b> , Oltvolgyi, C | QFMHS                                       | Understanding and improving responses to suicidality to DVA clients: proposed data linkage study  | Department of Veterans Affairs                     | \$520,632                                | 2 years, 2023-2025                                  |
| <b>Heffernan, E.</b> , Meurk, C., Wallace, D., Khoo, A., McKay, D., Lane, J., Dwyer, M., Crawford, D             | QFMHS                                       | Understanding and enhancing first responses to suicide crises involving current serving and ex-serving members of the Australian Defence Force (ADF)  | Royal Commission into Military and Veteran Suicide | \$375,697                                | 1 year, 2023-2024                                   |
| Barabara Baumgartner and <b>Hollie Wilson</b>  | MNMH-ADS                                    | Your Call Families: A pilot of telephone counselling for family members of people with AOD concerns   | MN Research  | \$25,000                                 | 0.5 year, Dec-23 – June-24                          |
| <b>Kylie Burke, Liz Eggins</b> , Alina Morawska, Erika Giebels   | MNMH  | Considering parents and parenting in recovery from serious mental illness   | MN Research  | \$25,000                                 | 0.5 years, Dec-23 – June-24                         |
| Anna Jenkins and Megan Nitz  | MNMH  | <i>Physical activity focus in Inpatient Mental Health Unit</i>  | Queensland Health                                  | \$49,487                                 | 0.5 years, Dec-24 – June-24                         |
| <b>Flaws, D., Parker, S., Burke, K</b>   | MNMH  | Caboolture Short Stay Unit Evaluation   | The Common Good                                    | \$200,000                                | 3 years, 2023-2026                                  |
| <b>Dr Senthil Muthuswamy, Michael Power,</b><br><b>Catriona Harwood</b>  | MNMH - TPCH                                 | Implementation of Restorative Practice in mental health services at TPCH (Stage 2)  | TPCH Foundation                                    | \$100,000                                | 1 year, 2023-2024                                   |
| <b>Stephen Parker</b> , Faye Jordan  | MNMH  | Getting it right the first time – Predicting mental health related emergency department re-presentations and subsequent hospitalisation: Logistic regression modelling of re-presentation within 48 hours, 7-days and 28-days | The Common Good                                    | \$89,096.73                              | 2 years, 2023-2025                                  |
| <b>Stephen Parker</b> , Andrew Thompson  | MNMH  | 2023 National Critical Infrastructure Grant   | MRFF   | \$2,993,285                              | 2023-unknown  |
| <b>Stephen Parker</b> , James Kesby  | MNMH  | Consumer and Community Involvement Microgrants: Reward learning in psychosis: a predictor of illness course   | Health Translation Queensland                      | \$1,000                                  | 1 year, 2023-2024                                   |
| <b>Stephen Parker</b>  | MNMH  | Clinician Research Fellowship: SURE-STEP  | Metro North HHS                                    | >\$600,000                               | 3 years, 2024-2027                                  |

## RBWH Department / Research Group Led Research Activity

| Lead Investigator Name (RBWH staff and consumers in bold) | Other Study Investigators (RBWH staff and consumers in bold)  | Research Project Title  | Consumer involvement | Number of RBWH Patients Recruited       |
|---|---|---|----------------------|---|
| <b>Kylie Burke</b>  | <b>Sally Nahak</b>  | Improving victim support across metro north mental health   | 3                    | 45 (across MNMH)                        |
| <b>Copeland Winten</b>                                    |   | PhD on Avoidant/Restrictive Food Intake Disorder (ARFID)  | 2                    |   |
| <b>Leanne Payne</b>                                       | Bruce Hamilton  | Consumers who received a medico-legal from a mental health court liaison service: Characteristics and court outcomes.   | 3                    |   |
| <b>Leanne Payne</b>                                       | <b>Ed Heffernan</b>   | Police Communications Centre Mental Health Liaison Service: Enhancing outcomes for people in mental health crisis   |                      |   |
| <b>Ed Heffernan</b>                                       | <b>Leanne Payne</b>   | Characteristics, precipitating factors, and service use of individuals who are the subject of a police negotiation incident   |                      |   |
| <b>Hilda Wu</b>   | <b>Sam Houston, Liz Eggins, Stephen Parker, Magdalena Hagn</b>  | A comprehensive cohort description and statistical grouping of patients referred to Consultation-Liaison Psychiatry Services in an Australian metropolitan hospital district                  | 3                    |   |
| <b>Loshana Jothieswaran</b>                               | Tommy Speed, Jana Waldmann, <b>Stephen Parker, Magdalena Hagn</b>   | Systematic review (proposal in development): The association between cognitive impairments and financial vulnerability to scams in older adults.  | 4                    |   |
| <b>Dasuni Ralapanawa</b>                                  | <b>Joseph Cook, Gerard Byrne, Stephen Parker</b>  | The relationship between sociotropy and anxiety: A systematic review  | 4                    |   |
| <b>Thomas Frain</b>                                       | <b>Stephen Parker</b>   | A comprehensive cohort comparison of service use complexity associated with length of stay in a psychiatric short stay pathway  |                      |   |
| <b>Jeremy Hayllar</b>                                     | Other authors unknown   | TINA Trial: National Australian HCV Point of Care Testing (POCT) program. Ethos Engage II   | 3                    |   |
| <b>Lauren Pearson</b>                                     | <b>Morgan Sidari</b> , Joanna Malone  | Malnutrition in eating disorders  |                      |   |
| <b>Stephen Parker</b>                                     | <b>Mathew Tipping, Ryan Heffernan, Katie McCullough, John Reilly, Mark Daglish, James Scott, Jason Connor</b> | SUNRISE: Substance Use Needs: Revealing unmet ISSues in Early Psychosis through prospective cross-sectional comparison of routine clinical documentation and a structured clinical assessment | 3                    | Target 100 consumers across RBWH + TPCH |
| <b>Anna Jenkins</b>                                       | <b>Liz Eggins, Stephen Parker, Jessina Cheney, Jasmine Soder, Dr Emma Forrester, Minnie Park</b>              | P-CANS: Prescribed CAnnabis and Stimulant drugs before acute adult inpatient mental care: Investigating Trends and Implications   | 3                    | 750 RBWH consumers audited data         |
| <b>Nicole Brigg</b>                                       | <b>Sally Mercier</b>  | Neuro-affirming practices in MH OT  |                      |   |
| <b>Angela Ng</b>  | Additional authors not provided.  | Supporting flexibility in care: A case series exploring brief intervention pathways for consumers with multi-diagnostic eating disorder presentations   | 3                    | 3                                       |
| <b>Stephen Parker</b>                                     | Andrea Baker, Dan Siskind   | SPIRIT Master Protocol: Schizophrenia Platform for Improving Recovery with Integrated Trials  | 2 & 3                |   |

| Lead Investigator Name (RBWH staff and consumers in bold)                          | Other Study Investigators (RBWH staff and consumers in bold)   | Research Project Title  | Consumer involvement        | Number of RBWH Patients Recruited |
|--|--|---|-----------------------------|-----------------------------------|
| <b>Katie Roberts-Slater</b>  | <b>Michelle Roberts, Kylie Burke, Liz Eggins, Tessa Clarkson, Nicole Brigg, Joyce Tan, Sarah Lavelle, Danielle Clapson</b> | Haircuts for mental health: Reducing barriers to recovery project protocol  | 3                           | >64                               |
| <b>Carissa Uzabeaga</b>  | <b>Liz Eggins, Mark Butterworth, Kylie Burke</b>   | Tracking and Measuring the Mental Health Intensive Discharge Team (MIND)  | 3 (clinical audit + survey) | 200+ across RBWH, TPCH, RedCab    |
| <b>Morgan Sidari</b>   | <b>Amy Hannigan, Kate Murphy</b>   | QuEDS Database: Acceptability and Feasibility   | 4                           |                                   |
| <b>Amanda Davis</b>  | <b>Lauren Pearson, Amy Davis, Copeland Winten, Morgan Sidari</b>   | EDIT-ED: Evaluation of dietetic intervention in outpatient eating disorder treatment – a proposed suite of key nutrition outcome measures to assist with standardised evaluation of dietetic outcomes |                             |                                   |
| <b>Natalie Boulton</b> (extended leave – to be replaced by <b>Ashleigh Olive</b> ) | <b>Amy Hannigan, Kate Murphy, Amanda Davis, Morgan Sidari</b>  | QuEDS Facilitated Peer Supervision for Therapists (QFPS-T)  |                             |                                   |
| <b>Kylie Burke</b>   | <b>Liz Eggins</b>  | Evaluation of HITH: Hospital in The Home  | 3                           | RBWH consumers                    |
| <b>Liz Eggins</b>  | <b>Kylie Burke</b>   | Evaluation of AMCART: Assertive Mobile Crisis Assessment Response Team  | 3                           | RBWH consumers                    |
| <b>Liz Eggins</b>  | <b>Kylie Burke, Louise Durant</b>  | Evaluation of CSU (Caboolture Short Stay Unit)  | 3                           | 0                                 |
| <b>Danielle Alchin, Anna Asnicar</b>   | <b>Kylie Burke, Tessa Clarkson</b>   | ASPIRES Training Evaluation   | 3                           | MNMH-wide                         |
| <b>Catriona Harwood</b>  | <b>Michael Power, Tessa Clarkson, Kylie Burke</b>  | Restorative Practice in Mental Health Stage 2   | 3                           | 0                                 |
| <b>Kylie Burke</b>   | <b>Liz Eggins, Alina Morawska, Louise Brennan, Bryce McMahon</b>   | Recovering from serious mental illness while being a parent   | 3                           | MNMH-wide                         |

## Collaborative Research Activity Involving RBWH Department / Research Group

| Lead Investigator Name (RBWH staff and consumers in bold) | Other Study Investigators (RBWH staff and consumers in bold)                              | Research Project Title  | Consumer involvement          | Number of RBWH Patients Recruited |
|---|---|---|-------------------------------|-----------------------------------|
| Courtney Craig  | Jana Waldman, <b>Mark Daghish</b> , Jason P. Connor, <b>Stephen Parker</b>                | Varenicline for the management of CANNabis use and Cannabis Use Disorder: A systematic review (VANCAN)  | 4 (literature-based research) | 0                                 |
| Daniel Schmidt  | Cecilia Shim, <b>Sui Ki Ng, Stephen Parker, Emily Martin, Kylie Burke, Tessa Clarkson</b> | The impact of dialectical behaviour therapy on suicidality and self-harm behaviour in people with autism spectrum disorder: A systematic review | 4                             |                                   |
| Shivani Gopal   | <b>Serena Angeline</b> , James Scott, <b>Stephen Parker</b>                               | Systematic review: interventions for major depressive episodes occurring in the context of bipolar disorder in children and adolescents.        | 4                             |                                   |

| Lead Investigator Name (RBWH staff and consumers in bold) | Other Study Investigators (RBWH staff and consumers in bold)   | Research Project Title   | Consumer involvement | Number of RBWH Patients Recruited |
|---|--|--|----------------------|-----------------------------------|
| Jeremy Dodd   | <b>Emma Brown</b> , Lars Eriksson, Simone Garrett-Walcott, <b>Subramanian Purushothaman</b> , Donel Martin, <b>Stephen Parker</b> , Mark Vickers | Comparison of cognitive screening tools used to assess neurocognitive side effects of electroconvulsive therapy (ECT): A systematic review                       | 4                    |                                   |
| Matilda Mackay-Sim  | Eebah Goraya, Jana Waldmann, Adam Frankl, <b>Stephen Parker</b>  | Who develops restrictive eating disorders (Anorexia Nervosa (typical and atypical) and Bulimia nervosa) after bariatric surgery for obesity: A systematic review | 4                    |                                   |
| Dennis Mok  | Samuel Goulter, Jana Waldmann, <b>Magdalena Hagn</b> , <b>Stephen Parker</b>   | Systematic review (proposed): Predictors of recurrent mental health related ED presentations for adults in Australia   | 4                    |                                   |
| Noori Dhaliwal  | Siddarth Kaladharan, Jana Waldmann, <b>Stephen Parker</b> , <b>Magdalena Hagn</b>  | A systematic scoping review of the feasibility, safety, and effectiveness of intramuscular clozapine   | 4                    |                                   |
| Daniel Debattista   | Ben Goodwin, Jana Waldmann, <b>Gerard Byrne</b> , Lena Oestreich, <b>Stephen Parker</b>  | The relationship between social media use and social anxiety: A systematic review and meta-analysis  | 4                    |                                   |
| Akash Ebby  | James Blair-Swannell, Alka Kothari, Jana Waldmann, James Scott, <b>Stephen Parker</b> .  | Scoping review: sexual and reproductive health in women with bipolar disorder  | 4                    |                                   |
| Hilary Ung  | <b>Zorica Jokovic</b> , <b>Mark Daglish</b>  | Long-term neurocognitive side effects of MDMA in recreational ecstasy users following sustained abstinence: A systematic review and meta-analysis, 2024          |                      |                                   |
| Amanda Morphet  | <b>Emma Armitage</b>   | Diversity and inclusion – 15 Step Challenge  | 3                    |                                   |
| Kiara Palmer  | <b>Emma Armitage</b> , John Kelly  | A novel approach to overdose prevention – Statewide Postal Take Home Naloxone Program via Adis 24/7 Alcohol and Drug Support                                     | 4                    |                                   |
| John Kelly  | James Searles, <b>Liz Eggins</b>   | From evidence to practice: Implementing patient reported outcome measures with Psychosocial treatment, MNMH-ADS AH-TRIP project                                  |                      |                                   |
| Wendy Muller  | <b>Matteo Brunetti</b>   | (Extra)ordinary Excellence: A positive reporting system for capturing excellence amongst Metro North Mental Health   | 4                    | 0                                 |
| Margherita Chiavone                                       | <b>Nicole Brigg</b> , Ada Gain, <b>Liz Eggins</b> , <b>Abbie Galloway</b>  | Evaluating the HP1 Allied Health Cadets at MNMH  | 3                    | 20 across RedCab, TPCH, RBWH      |
| Justin Chapman  | <b>Kylie Burke</b>   | The MOVEMENT study: iMproving quality Of life in people with seVEre MENTAL illness   | 3                    | 75                                |
| Neil Woodroffe  | <b>Nicole Brigg</b>  | Updating and validating the domestic and community skills assessment (DACSA)   | 3                    | 97 across RedCab, TPCH, RBWH      |
| Kate Murphy   | <b>Kirsten McMahon</b> , Thomas Skerlj, <b>Chloe Pearson</b> , <b>Liz Eggins</b> , <b>Stephen Parker</b>   | Cardiovascular risk factors for serious adverse health events in individuals with eating disorders: A systematic review  |                      |                                   |
| Kate Murphy   | Rea Nolan, <b>Mairead OCallaghan</b> , <b>Morgan Sidari</b>  | First Episode Rapid Early Intervention for Eating Disorders (FREE)   |                      |                                   |



| Lead Investigator Name (RBWH staff and consumers in bold) | Other Study Investigators (RBWH staff and consumers in bold)                        | Research Project Title  | Consumer involvement | Number of RBWH Patients Recruited |
|---|---|---|----------------------|-----------------------------------|
| QCMHR   | <b>Ed Heffernan</b>   | Queensland Multimorbidity Quality Improvement Strategy: An audit and evaluation of multimorbidity and associated clinical practices in Mental Health Alcohol and Other Drugs service consumers using routinely collected structured electronic health record data |                      |                                   |
| QCMHR   | Elissa Waterson, <b>Penny Dale</b>  | IMHIP-Youth: a multidisciplinary project to develop, implement and evaluate a model of social and emotional wellbeing for Aboriginal and Torres Strait Islander young people who experience youth detention   |                      |                                   |
| Sharon Gordon   | David Ashmore, Taylor Dawson, <b>Kylie Burke, Tessa Clarkson</b>                    | Evaluation of a Youth Step Up Step Down Model of Service with embedded DBT  | 3                    | 0                                 |
| Darren Neillie  | <b>Kylie Burke, Bryce McMahon, Tessa Clarkson</b> , Alison Greenwood, Erika Giebels | Strengthening the Redcliffe Caboolture Secure Mental Health Rehabilitation Unit Referral Decision Making Processes  | 3                    | 0                                 |
| Imani Gunasekara  | <b>Kylie Burke, Tessa Clarkson</b> , Alex Cook                                      | myRole invigoration project   | 3                    | MNMH-wide                         |
| Greg Pratt  | <b>Kylie Burke, Chris Henaway</b>   | Developing Cultural Capability through Communication Training for Mental Health Professionals (5-year research project from NHMRC Indigenous grant)   | 2                    |                                   |

## Research Activity with a Specific Focus on Aboriginal and Torres Strait Islander Peoples

| Lead Investigator Name (RBWH staff and consumers in bold) | Other Study Investigators (RBWH staff and consumers in bold) | Research Project Title  | Number of RBWH Patients Recruited |
|---|--|---|-----------------------------------|
| QCMHR   | Elissa Waterson, <b>Penny Dale</b>                           | IMHIP-Youth: a multidisciplinary project to develop, implement and evaluate a model of social and emotional wellbeing for Aboriginal and Torres Strait Islander young people who experience youth detention |                                   |
| Greg Pratt  | <b>Kylie Burke, Chris Henaway</b> , Danielle Alchin          | Developing Cultural Capability through Communication Training for Mental Health Professionals (5-year research project from NHMRC Indigenous grant)   |                                   |

## Research Publications

### Authors

| Investigator              | ORCID ID  | Investigator     | ORCID ID  |
|---------------------------|---|------------------|---|
| Kylie Burke               | <a href="https://orcid.org/0000-0003-4246-0120">https://orcid.org/0000-0003-4246-0120</a> | Niall Higgins    | <a href="https://orcid.org/0000-0002-3260-1711">https://orcid.org/0000-0002-3260-1711</a> |
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| Emily Martin              | <a href="https://orcid.org/0000-0002-3728-6685">https://orcid.org/0000-0002-3728-6685</a> | Tessa Clarkson   | <a href="https://orcid.org/0000-0002-9249-8760">https://orcid.org/0000-0002-9249-8760</a> |

|   |   |                        |   |
|---|---|------------------------|---|
| Rodney Marsh                                  | <a href="https://orcid.org/0000-0002-3867-1120">https://orcid.org/0000-0002-3867-1120</a> | Elizabeth (Liz) Eggins | <a href="https://orcid.org/0000-0002-5625-6449">https://orcid.org/0000-0002-5625-6449</a> |
| Paul Pun                                      | <a href="https://orcid.org/0000-0002-5039-6061">https://orcid.org/0000-0002-5039-6061</a> | Jennifer Taggart       | <a href="https://orcid.org/0000-0002-1087-6298">https://orcid.org/0000-0002-1087-6298</a> |
| Yekaterina Polyakova-Nelson<br>(Katya Nelson) | <a href="https://orcid.org/0009-0008-8929-4645">https://orcid.org/0009-0008-8929-4645</a> | Rebecca Sue Menhinnit  |   |
| Danielle Soh-Young Cha<br>(Danielle Cha)      | <a href="https://orcid.org/0000-0001-7155-1158">https://orcid.org/0000-0001-7155-1158</a> | Magdalena Hagn         |   |
| Nagaraj Gundarpi                              |   | Amy Duff               |   |
| Hilda Wu                                      |   | Vikas Moudgil          |   |
| Rashmi Gururajan                              |   | Sally Mercier          |   |
| Kym Boon                                      |   | Amy Hannigan           |   |
| Amanda Dearden                                |   |                        |   |

## Publications in 2024

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

Arnold R, Murphy-Smith J, Ng CH, **et al.** Predictors of the placebo response in a nutraceutical randomized controlled trial for depression. *J Integr Med.* 2024;22(1):46-53. doi:10.1016/j.joim.2024.01.007 **5<sup>th</sup> author: Gerard Byrne**

Brandenburg C, Crilly J, Thomas S, Gardiner P, Kinner SA, **Heffernan E**, et al. Police perspectives on the economic considerations of providing healthcare in short-term custodial settings in Australia. *Med Sci Law.* 2024;64(3):217-23. doi:10.1177/00258024231198915

Branjerdporn G, McCosker LK, Jackson D, Gillespie KM, McDowell S, Chand S, et al. Descriptive analysis of 1,048 presentations in the first five years of a zero-suicide framework in a child and youth mental health service in Australia. *Front Psychiatry.* 2024;15:1437016. doi:10.3389/fpsy.2024.1437016. **11<sup>th</sup> Author: Kathryn Turner**

Branjerdporn G, McCosker LK, Jackson D, McDowell S, Williams P, Chand S, et al. The implementation of a zero-suicide framework in a child and youth mental health service in Australia: processes and learnings. *Front Psychiatry.* 2024;15:1370256. doi:10.3389/fpsy.2024.1370256. **11<sup>th</sup> Author: Kathryn Turner**

**Byrne GJ.** Rasch modeling of IQCODE scores in people with dementia. *Int Psychogeriatr.* 2024;36(3):153-154. doi:10.1017/S1041610222000710

**Cha DS**, Kleine N, Teopiz KM, Di Vincenzo JD, Ho R, Galibert SL, et al. The efficacy of zuranolone in postpartum depression and major depressive disorder: a review & number needed to treat (NNT) analysis. *Expert Opin Pharmacother.* 2024;25(1):5-14. doi:10.1080/14656566.2023.2298340

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