

ALLIED HEALTH RESEARCH REPORT 2023



JUNE 25 2024

Authored by the Allied Health Research Team:

Adam Semciw, Hazel Heng and Emily Farrugia

A brief snapshot

Key achievements for 2023

- **Expansion of allied health research team** with new appointments of Grade 4 Allied Health Research Lead (0.6 EFT) and Grade 3 Allied Health Research Officer (0.4 EFT) positions
- **>5 successful grant applications totalling more than \$495K** in support of multidisciplinary research and quality improvement, including physiotherapy, dietetics and podiatry departments
- **Another successful research week in 2023** with James Walker and the TARP team selected in the top 10% of abstracts for oral presentations, and awarded second place in the Best Presentation Award
- **Four PhDs completed**; Hazel Heng (Physiotherapy), Caitlin Farmer (Orthopaedics), Elaine Dos Santos (Physiotherapy) and Hannah Silva (Dietetics)
- **Stepping Into Research publications**, with two articles published in *Osteoarthritis and Cartilage* and *Nutrition and Dietetics* and one paper currently under review
- **Launch of research newsletter series**, with 3 distributed across Northern Health staff in 2023

“Research is formalised curiosity. It is poking and prying with a purpose.” Zora Neale Hurston

2023 reflection

In 2023, the Allied Health Research Team expanded alongside **Associate Professor Adam Semciw**, with the addition of Allied Health Research Lead **Dr Hazel Heng**. A physiotherapist by background, Hazel holds a strong qualitative research background with her main interests in falls prevention, vestibular rehab and digital health. She completed her PhD in 2023 on reducing falls. The Allied Health Research Team also welcomed the addition of a Senior Allied Health Research Officer **Emily Farrugia**, following her participation in Stepping into Research in 2021. As a dietitian by background, Emily holds interest in nutrition research and gastrostomy-related complications amongst vulnerable groups and is currently working within a clinician research fellowship awarded towards an additional publication in her field. Together, Adam, Hazel and Emily aim to assist clinicians in building research capacity, capability and confidence, particularly where results can be translated into practice.

Staff focused on **research translation** throughout 2023, with Catherine Ransom and Claire Schofield successfully rolling out the Advanced Practice Physiotherapy Pelvic Health Clinic later in the year, managing waitlists in the outpatient setting. The Targeted Acute Rehabilitation Program (TARP), presented by **James Walker**, shared that TARP patients were significantly more likely to discharge directly home and have a shorter overall length of stay. Patients improved significantly in their mobility and were less likely to experience a hospital-acquired complication.

The Allied Health Research Newsletter went back in motion, with three newsletters published over 2023. The newsletter captures breaking news across allied health research, highlighting achievements from awards received to PhDs completed. Staff can find inspiration, or their own questions answered through staff Q&A's, along with an ever-growing list of publications, newly approved allied health research projects and research opportunities being promoted across Northern Health and its' research culture in general. Occasionally, you may also find broadcasted a visit from Seeing Eye dog "Paddy".

The Northern Health annual **research week** was held again, in an in-person format for the first time since Covid-19. Many clinicians, nurses and medical professionals were given an opportunity to showcase their research, results and impact, once again highlighting the translation of research into clinical practice and knowledge on the ground. We congratulated **James Walker** on his award for second best abstract and to all those who took the opportunity to present.

The Allied Health Research Training program "**Stepping into Research**" saw another seven allied health staff participate in the full 12-week program. This program introduces clinicians to the process of conducting and writing up a systematic review of the literature. At the program's end, participants are expected to have commenced a systematic review for a clinical intervention relevant to their workplace and to present preliminary findings. Participants are encouraged to write up the systematic review to a standard suitable for submission to a peer reviewed journal in the following year. In December 2023, a presentation was held to highlight research conducted from the program and preliminary findings. We are working towards a goal of 1 in 3 people producing a peer-reviewed journal publication of their review.

All in all, staff were encouraged to collaborate, celebrate and highlight all achievements throughout the year and brace themselves for an even bigger 2024!

Major projects approved with grant funding

Paediatric Nasogastric Tube Insertion Project

\$125,986.00

Project lead: Tarryn Thom - Dietetics

The Dietetics team successfully obtained a Department of Health Allied Health Advanced Practice Grant to develop an Advanced Practice Dietitian role. Nasogastric tubes (NGT) require frequent replacement with patients presenting to the NH Emergency Department (ED) and Children's ward for planned and unplanned tube insertions. The number of presentations for insertions has increased due to more paediatric patients requiring NGT feeding at home. With current processes, there are often delays in NGT insertion and hydration assessments resulting in an increased risk of dehydration for patients and delay in receiving enteral nutrition, negatively impacting wellbeing and growth.

Delivering a new and innovative Dietitian-led NGT and hydration assessment service allows for improved co-ordination of care and access to NGT management and replacement alongside reducing: the administration time to arrange procedures, associated costs required to be carried out in ED and Children Inpatient Unit, ED presentations and the burden on medical and nursing staff. A more streamlined service is anticipated to improve patient and parent/carer experience in future.

Advanced Practice Physiotherapy Pelvic Health Clinic

\$153,485.00

Project lead: Catherine Ransom and Claire Schofield – Physiotherapy and Continence

The Advanced Practice Physiotherapy Pelvic Health Clinic started seeing patients with the first clinic successfully running from October. In the lead up, 1700 referrals on the wait list were screened and 900 patients identified with diagnoses of incontinence and/or prolapse. Of these, 450 patients met inclusion criteria, and a further 25 patients were suitable to be removed from the waiting list, due to having been treated at Northern Health or another health service for the same condition. Outcomes such as the number of attempted contacts, patients booked for or no longer requiring appointments have been tracked using a dashboard on REDCap. Remaining patients have been sent letters and/or text messages and will be managed as per the specialist clinic waitlist management policy regarding patient contact.

Progress continues on the Digital Care Pathway which the CLEO team will assist with in the near future. Claire and Catherine will also commence their credentialing preparation to ensure staffing sustainability in the longer term.

Bereavement model of care in ED and ICU

\$20,000.00

Project lead: Alycea Formosa – Social Work

Northern Palliative Care Unit provides bereavement care to the next-of-kin (NOK) of the decedent through a weekly bereavement review, risk screening and stratification of bereavement follow up needs. Currently at Northern Health there is no organization-wide bereavement procedure. The aim of this Bereavement project is to develop and implement a pilot bereavement procedure that has considered the local community that Northern Health provides care to. To evaluate the acceptability and feasibility of its delivery amongst staff and

whether there is an increased incidence of bereavement assessments and provision in non-palliative care related patient deaths at Northern Hospital.

The implementation of a standardized bereavement procedure will have some of the following benefits:

- Provision of comprehensive care to our Northern health community which aligns with Standard 5 of the National standards and Northern Health’s values of safe, kind, together
- Reduce distress amongst inexperienced staff dealing with bereaved NOK through clear escalation pathways to experienced clinicians
- Increased capture of bereaved NOK who are at higher risk of complex grief and in turn reducing their future risk of mental health issues and reduced productivity in society
- Opportunities for staff education regarding best practice end-of-life-care including bereavement support and external resources available within the Northern Health catchment

The BACKTrAC project

\$150,000.00

Project lead: Milly Bell - Physiotherapy

BACKTrAC is an iterative implementation project for people who present to the Northern Health Emergency Department (ED). When they receive their follow up appointment details for the Back Pain Hot Clinic, they also receive a text message to complete surveys about their back pain as part of a Digital Care Pathway (DCP). Once participants opt in, they receive follow up surveys at weeks 2, 4, 6 and 12 to monitor changes. The DCP were launched at the end of 2023 and so far, over 90 participants have completed baseline surveys and 11 people have completed week 12 surveys.

Project post-doc Dr Milly Bell interviewed people with back pain about what is important to them, and interviewed ED staff about what they thought was important for patients. The findings from these interviews were analysed with Milly and Dr Hazel Heng and will be submitted to a peer reviewed journal for publication soon. Excitingly, the findings are already contributing to improvements for the DCP, including the creation of two short educational videos for participants about return to activities and imaging.

The DCP is approaching a makeover, where later this year, the surveys will be conducted on a bespoke platform created by Datos. Work on this is expected to be rolled out to participants later this year. Milly will also be interviewing participants following completion of the DCP week 12 surveys to ascertain what further improvements can be made to the DCP to improve user experience, education and resource needs. Results of the surveys will be analysed by Associate Professor Adam Semciw and Dr Matt King down the track when sufficient responses have been received. Click [here](#) for the Northern Health iNews report about BACKTrAC.

Usability of smart glasses for telehealth

\$30,000.00

Project lead: Belinda Baines – Podiatry

Project name: Supporting Urgent care and rEsidential aged caRe using a Virtual ED (U-SERVE)

In the near future, the Victorian Virtual Emergency Department (VVED) will be implementing smart glasses within four partnered urgent care centres (UCCs), marking a transformative step in healthcare delivery. These glasses are set to revolutionise patient care by enabling clinicians to remain hands-free, ensuring

uninterrupted focus on patients' needs. Through this technology, clinicians will seamlessly engage in co-teleconsults, leveraging expertise from remote specialists to enhance diagnosis and treatment decisions.

Through the implementation of smart glasses in urgent care settings, the VVED will facilitate efficient and collaborative healthcare delivery. Clinicians will have the ability to seamlessly access real-time support and guidance from specialists without disrupting patient care flow. This integration will ensure that expertise is readily available, regardless of physical location, fostering a more cohesive and effective approach to managing urgent medical needs. The introduction of smart glasses will streamline workflows and elevate the standard of care delivered in urgent care centres across Victoria.

This project successfully secured \$30,000 of funding via a grant through La Trobe University.

Northern Health Research Grants Program for 2023-2024

In more exciting news, several grants were advertised late-2023, with each category tailored to support various aspects of health research. The following grants will be announced in 2024:

- x1 Northern Health Foundation Grant (\$50,000)
- x3 Research@Northern Support Grants (\$20,000)
- x5 Grants in Aid (\$10,000)

Allied Health Research Committee Representatives

- Jeff Khoshaba (**Pharmacy**)
- Emily Farrugia (**Dietetics**)
- Belinda Baines (**Podiatry**)
- Rebecca Turnbull (**Exercise Physiology**)
- Adrienne Munro (**Occupational Therapy**)
- Luckshica De Silva (**Physiotherapy**)
- Brooke Froud Cummins (**Psychology**)
- Miyuki Watanabe (**Speech Pathology**)
- Yue Hu (**TALS**)
- Lilian Abbew (**Social Work**)
- Carolyn Dun (**Mental Health**)

Research week

Northern Health Research Week ran over 5 days in 2023, with activities scheduled throughout the last week of October. This was the first opportunity since Covid-19 to return to a face-to-face format, showcasing the breath of research occurring across the hospital along with providing an opportunity to meet other inspiring researchers and learn from fellow peers. This was a week dedicated to broadcasting all achievements across the last 12 months. It was also an opportunity to spread awareness of research as one of the key foundations to ongoing quality and improvement in healthcare for our surrounding community. Read more about Research week [here](#).

A series of 'Poster Blitz' presentations were held where selected researchers, students and clinicians had the opportunity to present their work during quick fire presentations:

- **Obeid N**, Brain J, Evans R, Di Stefano J, Gerges C, Bamford S, Henderson T: *Malnutrition Point Prevalence Study 2023*
- **Watanabe M**, Pierce JE: *Speech Pathology group interventions in Primary Progressive Aphasia: A systematic review*
- **Gallagher A**, Chiu J, **Semciw A**: *Effectiveness of Expiratory Muscle Strength Training for improving swallowing in neurodegenerative disease – A systematic review*
- **Semciw, AI, Bell EC, Collins T, See K, Webster T**, Hahne A, **Alousis N**, & King M: *BackTrAC: A digital care pathway for people presenting to emergency with back pain.*
- **Chau H**, Gentle J, **Tong L, Harms A, Cattapan G, Galea R, Collins T, Shahin S, Alousis N, Semciw AI**: *Web-based exercise, education and dietary advice for people with knee osteoarthritis: 6-week outcomes*
- **Tong L**, Gentle J, **Chau H, Harms A, Cattapan G, Galea R, Collins T, Shahin S, Alousis N**, Pizzari T, **Semciw A**: *Web-based exercise, education and dietary advice for people with knee osteoarthritis: 12-week outcomes*
- Rizk S, Talevski J, **Jessup RL**, Sher L, **Semciw A**, Boyd J, Hutton J: *Socioeconomic differences in patient presentations to the Victorian*

On the final day of research week, James Walker and the TARP team were selected as 1 out of only 7 top research projects to be selected for the “Best Oral Presentations” (the top 10% of abstracts) along with an award for second place in the Best Presentation Award out of over 60 abstract submissions on “Targeted Acute Rehabilitation Program increases discharges directly home and improves functional mobility in hospitalised inpatients”; a huge success to celebrate for allied health!



Conferences attended

- Spiritual Care Australia (SCA) national conference
 - **Melanie Moore** (Spiritual Care) presented a workshop on “A 10-step sustainable model of spiritual care integration into the healthcare system: 10 strategic ways you can integrate and embed



your spiritual care practice”. This workshop was based on 19 years of practice in spiritual care in acute healthcare settings, of which 17 were based at Northern Health.

- Australian Orthopaedic Association (AOA) conference
 - **Hue Chau** (Physiotherapist) presented an evaluation of the ‘Musculoskeletal Wellness Program.’; a program developed by the Orthopaedic, Physiotherapy and Dietetic departments at Northern Health, in collaboration with patients, and researchers from Latrobe University. The program is an online digital rehabilitation program, involving a structured 12-week physiotherapy program, dietetic advice and education, aimed at patients with hip and knee osteoarthritis. Preliminary data demonstrates trends that patients are getting better and improving in terms of pain and function. Further research is being conducted, and the Musculoskeletal Wellness team are further expanding this online resource to make it linguistically diverse.



- **James Walker** (Physiotherapist) completed on the 12-month Targeted Acute Rehab Program (TARP) trial from 2022. This program aimed to provide increased intensity/frequency of Physiotherapy, Occupational Therapy and Social Work in the hope of discharging patients directly home and bypassing subacute. TARP patient outcomes were compared to a like-for-like group via a retrospective propensity matching process and were significantly more likely to discharge directly home and have a shorter overall length of stay. They improved significantly more in their mobility and were less likely to experience a hospital acquired complication. The results were also presented at the 15th National Allied Health Conference in Perth in August, a large biennial conference highlighting innovation and research in Allied Health across Australia and beyond.



- 15th National Allied Health Conference
 - **Angela McLoughlan** (Occupational Therapist) presented on her work resulting from a small grant awarded in 2020 and completed as part of her Masters degree. The presentation was titled: “Preparedness of the healthcare workforce to continue using technology to support patient care beyond the COVID-19 pandemic”, with the primary aim to investigate Health Care Professional’s preparedness to continue using telehealth beyond the COVID-19 pandemic. Nurses were at least six times, and medical staff, at least three times more likely than allied health to indicate that they would continue to use telehealth in the future. Recommendations regarding broadening the scope of telehealth care were made. *Image not provided.*

- Results from **James Walker's** presentation were also presented at this conference, a large biennial conference highlighting innovation and research in Allied Health across Australia
- **Carolyn Dun** (Mental Health) presented an e-poster, titled "Drive Safe Program: Changing workforce practice throughout a mental health organisation to promote safe driving with consumers". This presentation aimed to describe "how embedding lived experience staff in program delivery actively supports humanity and human rights by prioritising person centred, recovery focused approaches in the promotion of safe driving for consumers and how clinicians support consumers with safe driving". *Dun, C., Swan, J., Strahan, J., Finch, E., Palmer, C., Dollman, G., & Turville, M. (2023) (in press). Driving guidelines for public mental health clinicians to assist consumers with safe driving Version 4. Melbourne, Victoria: Northern Health. Image not provided.*

- The Society of Hospital Pharmacists of Australia (SHPA) Medicines Management National Conference

An impressive number of Pharmacy staff submitted abstracts and attended to gather knowledge and share innovative ideas from hospital pharmacists and pharmacy technicians across the country.

Oral presentations:

- **Aaron Hoey:** Home is Where the Heart is – Does a Virtual Ward Improve Prescribing Practices?

Poster presentations:

- **Cynthia Donarelli:** MedPass – a ticket to dietitian prescribing oral nutritional supplements.
- **Emma Burnet:** Should we risk it? A VTE Risk Screening and Anticoagulation Prescribing Audit.
- **Gina Georges:** Slipping Up on Sliding Scales.
- **Danni Miatke:** 'Off-Sides': Management of complex Non-Tuberculosis Mycobacterial infections in an 'Aminoglycoside free' hospital.
- **Nikayla Van Krieken:** Allergy Alert! Evaluation of the communication of new allergies post-discharge.
- **Andrew Leake:** Spinning Silver into Gold: An Evaluation of an IBD Pharmacy Technician-Led Subcutaneous Biologic Delivery Service.
- **Nivein Yenis:** Right under your nose. Pharmacy support in the implementation of a novel randomised controlled trial.
- **Angela Given:** Old tools - new tricks? iGuidance as a decision support tool in prescribing COVID-19 antivirals.
- **Jeff Khoshaba:** Shining the research idea light brighter.
- **Alexandra Brown:** The Virtual Reality of Medication Error Reduction Through Multidisciplinary Teamwork.
- **Alexandra Brown:** A Virtual Patient Experience.



- Australian Physiotherapy Association 'Ignite 2023' Conference

- **Stephen Quick** (Allied Health Education Team) attended and presented on: “What is excellence in physiotherapy dementia care and how do we achieve it: A qualitative study.” and “Physiotherapy students are overwhelmed and underprepared to work with people living with dementia: a qualitative study.” There were only three presentations on dementia for the entirety of the conference, and Stephen was able to present two of them, of which form part of his PhD looking at physiotherapy and the care of people living with dementia.



- 10th Biennial Australia and New Zealand Falls Prevention Society (ANZFPS) Conference

- **Hazel Heng** (Allied Health Research Lead) presented at the conference, on her paper “Qualitative insights into healthcare professionals' views on falls prevention education”. Her research looked at what barriers and enablers health professionals face when delivering falls prevention education in hospital, and what future falls prevention trials should consider when designing and implementing falls education interventions.



- World Association for Infant Mental Health Congress (Dublin)

- **Carol Clark** (Mental Health) presented research on “Policy, practice and infant mental health – How well do we support parents with a mental illness?”, which explores key policies and review documents along with how these documents provide for the particular challenges of those with pre-existing mental illness as they become parents and for their infants and families. *Image not provided.*

- Occupational Therapy Australia 30th National Conference (OTAUS2023)

- **Carolyn Dun** (Mental Health) also presented her research titled “Establishing the Drive Safe Team and Project: Promoting Consumer Driving as a Core Practice in Public Mental Health” at this conference. *Carolyn Dun^{1,2}, Catherine Palmer^{1,2}, Glen Dollman^{1,2}, Janene Strahan^{1,2}, Erin Finch^{1,2} and Megan Turville². Establishing the drive safe team and project: Promoting consumer driving as a core practice in public mental health. 1Northern Health, Preston, Australia; 2Royal Melbourne Hospital, Parkville, Australia. Image not provided.*

- The Mental Health Services Conference

- Catherine Palmer (Mental Health) also presented an e-poster on “Driving and mental health: Moving beyond risk and legislation to consumer support and self-regulation” at the MHS Conference held in Adelaide. *Image not provided.*

Research Awards

- **Melanie Moore** (Spiritual Care) - Best of Care award for an outstanding spiritual care individual
- **James Walker** (Physiotherapy) – 2nd place in the ‘Best Presentation Award’ on “Targeted Acute Rehabilitation Program increases discharges directly home and improves functional mobility in hospitalised inpatients”
- **Adam Semciw** (Associate Professor) and Dr Loren Sher - Research Engagement and Impact award
- **Hazel Heng** (Allied Health research) & **Belinda Baines** (Podiatry): Allied Health Staff Award: Research (the allied health staff member or team who has shown a passion and commitment to improving practice or obtaining new knowledge through their pursuit of research at Northern Health)
- **Carolyn Dun** (Mental Health) - Occupational Therapy Australia Research Award: Clinical Researcher (refers to research undertaken by an occupational therapist who holds a substantive clinical position) at the OTAUS2023
- **Carolyn Dun** (Mental Health) – 2023 Allied Health Adult Team Excellence Award Winner (Drive Safe Program – Mental Health) along with team including Occupational Therapists Erin Finch, Janene Strahan and Megan Turville; Consumer Lived Experience Project Officer Catherine Palmer; and Carer Lived Experience Project Officer Glen Dollman

PhDs completed

- **Dr Elaine Dos Santos** – Senior Physiotherapist
 - Migrant mothers and health professionals' views and experiences of the Australian perinatal healthcare system and its influence on their mental health
- **Dr Caitlin Farmer** – Advanced Musculoskeletal Physiotherapist
 - Optimising the request and reporting of imaging of the lumbar spine in people with low back pain
- **Dr Hanna Silva** – Dietetics
 - Dietary treatments for irritable bowel disease
- **Dr Hazel Heng** – Allied Health Research Lead
 - Reducing falls in hospitals with patient education

Current PhD candidates

- **Lin Tong** – Physiotherapist
- **Stephen Quick** – AH Education
- **Ed Leahy** – Physiotherapist

Stepping Into Research Publications

- **Iryoung Fan** – Senior Physiotherapist and Stepping Into Research Participant (2021)

Title: How effective are exercises delivered digitally (requiring internet), amongst patients with hip or knee osteoarthritis? A systematic review and meta-analysis.

This study aims to describe the effects of digitally delivered exercises on pain, physical function and quality of life (QoL) in patients with hip or knee OA. Digital exercises must require internet and comparators found included usual care, face-to-face, no comparison, GP management or delivery by paper. There was very low to low level quality of evidence suggesting digitally delivered exercises are comparable to face-to-face delivery for pain, QoL and physical function, and clinicians should offer the choice of face-to-face or digitally delivered exercises.

- **Emily Farrugia** – Senior Dietitian/Allied Health Research Officer and Stepping Into Research Participant (2021)

Title: Proportion of unplanned tube replacements and complications following gastrostomy: A systematic review and meta-analysis

This study aims to determine the prevalence of specific long-term gastrostomy-related complications and unplanned replacements in adults. Approximately 1 in 10 people with a gastrostomy will experience a complication related to either hypergranulation, infection or dislodgement. Age, in combination with sex, may provide a guide for risk of displacement among adult female cohorts, though further studies reporting prevalence of gastrostomy-related complications along with participant demographics are required.

Publications of 2023

1. Bell, E. C., Pazzinatto, M. F., Wallis, J. A., Kemp, J. L., Skou, S. T., O'Halloran, P., Crossley, K. M., De Oliveira Silva, D., **Semciw, A. I.**, Dundules, K. and Barton, C.J. (2023). Association of baseline physical activity participation with participant characteristics and outcomes following education and exercise-therapy in people with knee osteoarthritis: A GLA: D[®] Australia prospective cohort study. *Musculoskeletal Care*.
2. Conilione, P., **Jessup, R.**, & Gust, A. (2023). Novel machine learning model for predicting multiple unplanned hospitalisations. *BMJ Health & Care Informatics*.
3. **Connolly, A.**, Bailey, S., Lamont, R., & **Tu, A.** (2023). Factors associated with assistive technology prescription and acceptance in motor neurone disease. *Disability and Rehabilitation: Assistive Technology*.
4. Cotchett, M., **Bramston, C.**, Bergin, S., Menz, H. B., & **Jessup, R.** (2023). Lived experience of people with painful hallux valgus: A descriptive qualitative study. *Musculoskeletal Care*.
5. **Cvetanovska, N.**, **Jessup, R. L.**, Shee, A. W., Rogers, S., & Beauchamp, A. (2023). Patients' perspectives of factors influencing active participation in healthcare interactions: A qualitative study. *Patient Education and Counseling*.
6. Dickson, K., Aboltins, C., Pelly, J., & **Jessup, R. L.** (2023). Effective communication of COVID-19 vaccine information to recently-arrived culturally and linguistically diverse communities from the perspective of community engagement and partnership organisations: a qualitative study. *BMC Health Services Research*.
7. Donovan, J., **De Silva, L.**, Cox, H., Palmer, G., **Semciw, A.I.** (2023). Vestibular dysfunction in people who fall: A systematic review and meta-analysis of prevalence and associated factors. *Clinical Rehabilitation*.
8. Ebrahimi-Madiseh, A., Nickbakht, M., Eikelboom, R. H., Bennett, R. J., Friedland, P. L., Atlas, M. D., & **Jessup, R. L.** (2023). Models of service delivery in adult cochlear implantation and evaluation of outcomes: A scoping review of delivery arrangements. *Plos one*.
9. **Fan, I.**, Govil, D., King, M.G., Scholes, M.J., **Semciw, A.I.** (2023). How effective are exercises delivered digitally (requiring internet), amongst patients with hip or knee osteoarthritis? A systematic review and meta-analysis. *Osteoarthritis and Cartilage*.
10. **Farrugia, E.**, **Semciw, A.I.**, **Bailey, S.**, Cooke, Z., Tuck, C. (2023). Proportion of unplanned tube replacements and complications following gastrostomy: A systematic review and meta-analysis. *Nutrition and Dietetics*.
11. Hislop, A., Collins, N. J., Tucker, K., & **Semciw, A. I.** (2023). The association between hip strength, physical function and dynamic balance in people with unilateral knee osteoarthritis: a cross-sectional study. *Musculoskeletal Science and Practice*.
12. **Jessup, R.L.**, **Bramston, C.**, Putrik, P. Haywood, C., Tacey, M., Copnell, B., **Cvetanovska, N.**, Cao, Y., Gust, A., Campbell, D., Oldenburg, B., Mehdi, H., Kirk, M., Zucchi, E., **Semciw, A.I.**, Beauchamp, A. (2023). Frequent

hospital presenters' use of health information during FD-19: results of a cross-sectional survey. *BMC Health Services Research*, 23(1).

13. Kinsella, R., Nasser, A., Menz, H. B., Pizzari, T., Collins, N. J., & **Semciw, A. I.** (2023). Effects of foot orthoses and footwear interventions on impairments and quality of life in people with hip pain: A systematic review. *Musculoskeletal Care*.
14. Luo, S., Zheng, Z., Bird, S. R., Plebanski, M., Figueiredo, B., **Jessup, R.**, ... & Itsiopoulos, C. (2023). An overview of long COVID support services in Australia and international clinical guidelines, with a proposed care model in a global context. *Public health reviews*.
15. Morris, M. E., Brusco, N. K., Jones, J., Taylor, N. F., East, C. E., **Semciw, A. I.**, ... & Oldenburg, B. (2023). The widening gap between the digital capability of the care workforce and technology-enabled healthcare delivery: a nursing and allied health analysis. *Healthcare*.
16. Nasser, A., Grimaldi, A., Vicenzino, B., Rio, E., Rich, A., Pizzari, T., & **Semciw, A.** (2023). Towards development of a core outcome set in proximal hamstring tendinopathy-A systematic review of measurement instruments and their clinimetric properties. *Musculoskeletal Science and Practice*.
17. O'Brien, M.J.M., **Semciw, A.I.**, Mechlenburg, I., Tønning, L.C.U., Stewart, C.J.W, Kemp, J.L. (2023). Pain, function and quality of life are impaired in adults undergoing periacetabular osteotomy (PAO) for hip dysplasia: a systematic review and meta-analysis. *HIP International*.
18. Rostron, Z. P., Zacharias, A., **Semciw, A. I.**, Kingsley, M., Pizzari, T., Woodley, S. J., & Green, R. (2023). Comparison between a targeted exercise program and a sham intervention on gluteal muscle activity in people with hip osteoarthritis: Analysis of secondary outcomes from a randomised clinical trial. *Gait & Posture*.
19. Ryan, R., **Jessup, R.**, Hill, S., Walsh, L., & Oldenburg, B. (2023). People at heightened risk of deterioration from COVID-19: living 'with' or living 'despite' public health communications? *Australian and New Zealand Journal of Public Health*.
20. **Sayeed, M.S.I.**, Oakman, J., Stuckey, R. (2023). Factors influencing access to and participation in rehabilitation for people with lower limb amputation in East, South, and Southeast Asian developing countries: the perspective of rehabilitation professionals—a qualitative study. *Disability and Rehabilitation*.
21. **Sayeed, M.S.I.**, Oakman, J., Stuckey, R. (2023). Rehabilitation professionals' perspectives of factors influencing return to occupation for people with lower limb amputation in East, South, and Southeast Asian developing countries: A qualitative study. *Frontiers in Public Health*, 11.
22. Shaw, L., Kiegaldie, D., **Heng, H.**, Morris, M.E. (2023). Interprofessional education to implement patient falls education in hospitals: Lessons learned. *Nursing Open*, 10(1);36-47.
23. Suppiah, S. D., Malhotra, R., Tan, Y. W., Jessup, R. L., Chew, L. S. T., Tang, W. E., & Beauchamp, A. (2023). Prevalence of health literacy and its correlates from a national survey of older adults. *Research in Social and Administrative Pharmacy*.

-
24. Talevski, J., Kulnik, S. T., **Jessup, R. L.**, Falls, R., **Cvetanovska, N.**, & Beauchamp, A. (2023). Use of co-design methodology in the development of cardiovascular disease secondary prevention interventions: a scoping review. *Health Expectations*.
 25. Tønning, L. U., O'Brien, M., **Semciw, A.**, Stewart, C., Kemp, J. L., & Mechlenburg, I. (2023). Periacetabular osteotomy to treat hip dysplasia: a systematic review of harms and benefits. *Archives of Orthopaedic and Trauma Surgery*.
 26. Tse, T., Skorik, S., Fraser, R., **Munro, A.**, & Darzins, S. (2023). Testing feasibility of relevant outcome measures in an inpatient setting to demonstrate the value of occupational therapy. *Australian Occupational Therapy Journal*.