



Institute for Musculoskeletal Health

ANNUAL REPORT 2022

Institute for Musculoskeletal Health
10N Missenden Rd
Camperdown Sydney
NSW 2050
Prepared by Alexandra Edmondson

Executive Summary

The Institute for Musculoskeletal Health is a world-class innovative research collaboration between Sydney Local Health District and University of Sydney. The Institute brings together musculoskeletal healthcare researchers and frontline clinicians to conduct high-quality, patient-centred research across the complex healthcare system. By bringing together clinicians, policymakers, researchers and consumers, the Institute positively impacts practice, health systems and health policy.

Our IMH team of 51 includes 6 Professors, 2 Associate Professors, 15 post-doctoral researchers, 3 senior clinicians and 25 professional staff. IMH hosts 27 higher degree research candidates from a range of health disciplines with 6 PhD graduations in 2022. The Institute's workforce comprises outstanding researchers from diverse multidisciplinary backgrounds such as physiotherapy, occupational therapy, public health, pharmacy, chiropractic, general medicine, orthopaedic surgery, and rheumatology.

The Institute promotes translational research and fosters the development of a highly-skilled musculoskeletal research workforce while contributing to developing sustainable, equitable, and cost-effective healthcare. The Institute is responsible for maintaining the operations of the Physiotherapy Evidence Database (PEDro), which in 2022 was used to answer over 3.8 million questions from users worldwide and has grown exponentially to 58,000 trials.

Throughout 2022, the Institute continued to be recognised by the government, policymakers and peers as a leader in musculoskeletal health and physical activity. Last year the Institute achieved remarkable milestones, including publishing 182 peer-reviewed journal articles and providing 118 presentations at conferences. The Institute secured an additional \$18.5 million in grant funding in 2022, with \$16.5 million of this funding coming from the National Health and Medical Research Council and the Medical Research Future Fund.

In addition to receiving 23 prestigious awards for research excellence, the Institute was honoured to have four of its researchers recognised by Stanford University as among the top 2% of academics in their respective fields. Further achievements are summarised and can be read on page four of this report.

Despite logistical challenges caused by Covid-19, the Institute maintained strong workplace connections and fostered a culture of collaboration and support. Last year, researchers from the Institute actively contributed to 16 Sydney Local Health District and 21 University of Sydney committees and working groups. The Institute's close partnership with RPA has also enabled the continuation of practicum placements for physiotherapy students.

In conclusion, the Institute for Musculoskeletal Health is well-positioned to continue making significant advances in musculoskeletal health and physical activity research. We are grateful for the ongoing support of our partners, and we are excited to collaborate on new initiatives and projects in the year ahead. Together, we can continue to make a meaningful impact towards advancing healthcare and improving patient outcomes.

Table of Contents

Executive Summary	2
Key Achievements	5
Awards	7
Publication Details	9
Peer Review Journal Articles.....	9
Commissioned and technical reports	21
Books	21
Book Chapters	21
Presentations	22
National	22
International	26
Media	29
Research Team	30
Professors	30
Associate Professors.....	30
Post-doctoral Researchers	30
Senior Clinicians	30
Professional Staff	31
Higher Degree Students.....	31
Higher Degree Completions	32
Visiting Researchers	32
Events	33
Trials	34
Ethics applications	34
Active research studies.....	35
Active clinical trials.....	37
Participant recruitment	40
Contributions to The University of Sydney	42
Committees	42
Teaching	42

Contributions to Sydney Local Health District..... 43

 Committees 43

 Invited presentations 44

Contribution to the Scientific Community 45

 Leadership roles in international and national organisations 45

 Peer-Review roles..... 47

 Physiotherapy Evidence Database Partnership (PEDro Partnership)..... 49

Grants..... 51



The IMH Team

Key Achievements

In 2022, the Institute for Musculoskeletal Health team:

- Authored **182 publications** in peer-reviewed journals including *The Lancet*, *Journal of the American Medical Association* and the *British Medical Journal*.
- Provided **118 presentations at international and national conferences**.
- Awarded **18.5 million dollars** in 2022 to fund new research, with nine new project grants awarded by the NHMRC and MRFF.
- Published the book: *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*.
- Authored seven book chapters and were commissioned to complete two technical reports.
- Held **\$62.5 million** in grant funding comprised of 75 competitive grants primarily awarded by government bodies (e.g. NHMRC, MRFF) and various research foundations.
- **Recruited 3794 participants** to clinical trials.
- Contributed to **16 SLHD Committees**.
- Supervised **27 higher degree research** (PhD and research masters) students with **six PhD completions**.
- Continued to offer 5-week practicum placements for physiotherapy students in collaboration with the RPAH physiotherapy clinicians and The University of Sydney.
- Received **23 prestigious awards** for research excellence and recognition, including:
 - Australian and New Zealand Musculoskeletal Clinical Trials Network **Inaugural Trial of the Year Award 2021-2022**. “*SHaPED: Effectiveness of a multifaceted intervention to improve emergency department care of low back pain: a stepped-wedge cluster-randomised trial*”
 - Australian Pain Society **Rising Star Award 2022 for Outstanding Early Career Research** (Dr Adrian Traeger)
 - The Conversation. **Most read article of 2022**. “*3 Orthopaedic surgeries that might doing patients (and their pockets) more harm than good*” Over 900 000 views. (Dr Giovanni Ferreira)
 - BMJ Quality and Safety **Top 10 Paper of 2021-2022**. “*SHaPED: Effectiveness of a multifaceted intervention to improve emergency department care of low back pain: a stepped-wedge cluster-randomised trial*”. The journal’s editors selected this as one of the Top 10 Papers of 2021 based on reader engagement, citations, and importance to the field.
 - *International Journal of Rheumatic Diseases*. **Top 10 downloaded article 2021-2022** for “*Musculoskeletal healthcare: Have we over-egged the pudding?*” (Prof Christopher Maher).
 - Sydney Research Supervisor of the Year (Prof Cathie Sherrington)
- Stanford University recognised **four researchers** from the Institute for Musculoskeletal Health as being **within the top 2% of researchers in their field**.
- According to Expertscape, our researchers are the **top experts in the world** for four different areas (1st Pain, 1st Back Pain, 1st Low Back Pain and 1st Sciatica).
- **Twelve researchers are ranked in the top 30 global experts** in their respective fields:
 - Prof Christopher Maher (1st Pain, 1st Back Pain, 1st Low Back Pain and 1st Sciatica, 22nd Physical Therapy Modalities, 26th Musculoskeletal Pain)
 - Prof Cathie Sherrington (3rd Accidental Falls)

- Prof Steve Kamper (2nd Physical Therapy, 4th Musculoskeletal Pain, 6th Back Pain, 12th Low Back Pain)
- Prof Anne Tiedemann (5th Accidental Falls, 19th in Healthy Aging)
- Prof Christine Lin (11th in Sciatica)
- Prof Ian Harris (13th Rehabilitation Hospitals)
- Dr Stephanie Mathieson (13th in Sciatica; 1st EMCR researcher for Sciatica)
- Dr Adrian Traeger (15th in Back pain; 1st EMCR researcher for Back Pain, 16th Low Back Pain)
- Dr Gustavo Machado (17th in Back Pain, 17th Low Back Pain)
- Prof Jane Latimer (20th in Sciatica)
- Dr Marina Pinheiro (26th Back Pain)
- Dr Mary O’Keefe (30th in Back Pain)
- Our research was featured **nationally and internationally** across television, radio and print. In 2022 **over 570 news stories internationally featured IMH research.**
- Some press highlights include;
 - Prof Cathie Sherrington’s appearances on the Drum and Sydney Morning Herald regarding the impact and cost of falls on the Australian healthcare system.
 - Dr Adrian Traeger’s feature in the Sydney Morning Herald following his systematic review on spinal cord stimulators.
 - Dr Christina Abdel Shaheed’s radio interview regarding her research on how common painkillers impact the immune system.
 - Dr Giovanni Ferriera, Prof Ian Harris, Dr Josh Zadro and Dr Mary O’Keefe’s press coverage regarding orthopaedic surgeries and how some procedures may be doing more harm than good.

Awards

Throughout 2022, members of the Institute team were the recipients of 21 domestic and international accolades. These awards and their recipients are summarised below.

1. **Abdel Shaheed, C.** Vice-Chancellor's Award for Excellence; Outstanding Teaching and Research. University of Sydney, Vice-Chancellor's Awards.
2. **Coombs D** et al. Inaugural Trial of the Year 2021-2022. "SHaPED: Effectiveness of a multifaceted intervention to improve emergency department care of low back pain: a stepped-wedge cluster-randomised trial" Australian and New Zealand Musculoskeletal Clinical Trials Network.
3. **Costa N.** Postgraduate Research Conference. (Oral presentation) - Best Presentation in Musculoskeletal: Movement in Health 2022
4. Cross AJ, Buchbinder R, **Mathieson S**, Bourne A, **Maher C**, **Lin C**, O'Connor DAO. BMJ Quality & Safety Top 20 Articles for 2022: Barriers and enablers to monitoring and deprescribing opioid analgesics for chronic non-cancer pain: A qualitative evidence synthesis using the Theoretical Domains Framework.
5. **Dawson R.** Best oral presentation at the Faculty of Medicine and Health, HDR Conference 2022.
6. **Ferreira GE.** The Conversation. Most read article of 2022. 3 Orthopaedic surgeries that might do patients (and their pockets) more harm than good
7. **Ferreira GE.** Wiser HealthCare National meeting 2022: Best quantitative publication - An Analysis of the Adverse Events Reported to the Australian Therapeutic Goods Administration.
8. **Ferreira GE.** News Corp Australia: Australia's Top 20 Researchers under 40.
9. **Kamper SJ.** Bonica Lecture Award, Winner 2022, *Pain, health and lifestyle*. Australian Pain Society.
10. **Kwok W.** Presentation Winner Higher Degree Student Conference, Faculty of Medicine and Health, The University of Sydney (2022).
11. **Lin C.** Finalist, SUPRA (Sydney University Postgraduate Representative Association) Supervisor of the Year 2022.
12. **Lin C.** Top cited article 2021-2022, *The efficacy and safety of paracetamol for pain relief: an overview of systematic reviews*. Medical Journal of Australia.
13. **Coombs D et al.** BMJ Top 10 Paper of 2021-2022. "SHaPED trial." The journal's editors selected this as one of the Top 10 Papers of 2021 based on reader engagement, citations, and importance to the field.
14. **Maher CG. Traeger A.** International Journal of Rheumatic Diseases. Top 10 downloaded article 2021-2022 - *Musculoskeletal healthcare: Have we over-egged the pudding?* Awarded in 2022.
15. **Mathieson, S.** Top-ranked Early Career Researcher on Sciatica (2022).
16. **McLennan C.** Finalist, SLHD Innovation Symposium Pitch Competition, 'The pain of falling is the same in any language' (2022).
17. **Teng MJ.** 3MT Competition Faculty of Medicine and Health finalist, The University of Sydney (2022).
18. **Traeger A.** Winner, Faculty of Medicine and Health, University of Sydney's Next Step Funding (2022).
19. **Traeger A.** Top-ranked Early Career Researcher on Back Pain (2022).
20. **Traeger A.** Winner, 2022 Australian Pain Society Rising Star Award for outstanding early career research.
21. **Sherrington C,** Sydney Research Supervisor of the Year (2022).

22. **Sherrington C.** Finalist, SUPRA (Sydney University Postgraduate Representative Association) Supervisor of the Year 2022
23. **Vella S, Chen Q, Maher C,** Simpson P, Swain M, **Machado G.** 3rd prize for Research Excellence (podium). Paramedic management of back pain: a scoping review. Chiropractic Australia Researchers' Day (2022).

Publication Details

Members of the Institute for Musculoskeletal Health contributed to a total of 182 peer-reviewed journal articles over the course of 2022. These articles are listed below, with the IMH authors **bolded**.

Peer Review Journal Articles

1. **Abdel Shaheed C**, Awal A, Zhang G, **Gilbert S**, Gallacher D, McLachlan A, Day R, **Ferreira GE**, **Jones CM**, Ahedi H, Tamrakar M, Blyth F, Stanaway F, **Maher C**. Efficacy, Tolerability, and Dose-Dependent Effects of Opioid Analgesics for Osteoarthritis: Systematic review and Meta-Analysis. *Medical Journal of Australia*. 2022;216(6):305-11.
2. **Abdel Shaheed C**, **Maher C**, Furmage A, Hoffmann T, McLachlan A. Strengthening the reporting of harms of all interventions in clinical trials. *Medical Journal of Australia*. 2022;217(10):502-4.
3. **Abdel Shaheed C**, **Maher C**, Furmage A, Hoffmann T, McLachlan A. Better measuring and reporting of adverse events are needed in back pain trials of non-drug interventions. *BMJ* 2022;377:o1055.
4. Alaiti RK, Castro J, Lee H, Caneiro JP, Vlaeyen JW, **Kamper SJ**, Da Costa MF. What Are the Mechanisms of Action of Cognitive-Behavioral, Mind-Body, and Exercise-based Interventions for Pain and Disability in People with Chronic Primary Musculoskeletal Pain?: A Systematic Review of Mediation Studies from Randomized Controlled Trials. *Clinical Journal of Pain*. 2022;38(7):502-9.
5. Allen NE, Canning CG, Almeida LRS, Bloem BR, Keus SH, Löfgren N, Nieuwboer A, Verheyden GS, Yamato TP, **Sherrington C**. Interventions for preventing falls in Parkinson's disease. *Cochrane Database of Systematic Reviews*. 2022;2022(6).
6. Ambrens M, Alley SJ, **Oliveira JS**, To Q, Delbaere K, Vandelanotte C, **Tiedemann A**. The effect of eHealth-delivered exercise programmes on balance in people aged 65 years and over living in the community: A systematic review & meta-analysis of randomised controlled trials. *BMJ Open* 2022;12(6).
7. Ambrens M, van Schooten K, Lung T, Clemson L, Close JCT, Howard K, Lord SR, Zilstra GAR, **Tiedemann A**, Valenzuela T, Vandelanotte C, Chow J, McInerney G, Miles L, Woodbury A, Delbaere K. Economic evaluation of the e-Health StandingTall balance exercise programme for fall prevention in people aged 70 years and over. *Age and Ageing* 2022;51(6).
8. Anandacoomarasamy A, **Richards B**, Ward L, Langford K, Wallace G, Sinclair T, Anderson T, Barnsley L. Design and implementation of flexible advanced training in rheumatology: report of a pilot programme. *Intern Med J*. 2022 Oct;52(10):1768-1772.
9. Anderson DB, Beard D, Sabet T, Eyles J, **Harris I**, Adie S, Buchbinder R, **Maher C**, Ferreira M. Evaluation of placebo fidelity and trial design methodology in placebo controlled surgical trials of musculoskeletal conditions: a systematic review. *Pain* 2022;163(4): 637-651.
10. Ardern CL, Büttner F, Andrade R, Weir A, Ashe MC, Holden S, Impellizzeri FM, Delahunt E, Dijkstra HP, **Mathieson S**, Rathleff MS, Reurink G, **Sherrington C**, Stamatakis E, Vicenzino B, Whittaker JL, Wright AA, Clarke M, Moher D, Page MJ, Khan KM, Winters M. Implementing the 27 PRISMA 2020 Statement items in the context of systematic reviews in the sport and exercise medicine, musculoskeletal rehabilitation, and sports science fields—the PERSIST (implementing Prisma in Exercise, Rehabilitation, Sport medicine and SporTs science) guidance. *British Journal of Sports Medicine*. 2022;56(4):175-195.
11. Ayre J, Jenkins H, McCaffery K, **Maher C**, Hancock MJ. Physiotherapists have some hesitations and unmet needs regarding delivery of exercise programs for low back pain prevention: A qualitative interview study. *Musculoskeletal Science and Practice*. 2022;62.
12. Ayre J, Jenkins H, McCaffery K, **Maher C**, Hancock MJ. Unique considerations for exercise programs to prevent future low back pain: The patient perspective. *Pain*. 2022;163(8):E953-E62.
13. Badge, HM, Churches T, Naylor JM, Xuan W, Armstrong E, Gray L, Fletcher JP, Gosbell I, **Lin C**, **Harris I**. Association between VTE and antibiotic prophylaxis guideline compliance and patient-reported

outcomes after total hip and knee arthroplasty: an observational study. *Journal of Patient-Reported Outcomes* 2022 6(1):110.

14. Bagg M, Wand B, Cashin A, Lee H, Hubscher M, Stanton TR, O'Connell N, O'Hagan ET, Rizzo R, Wegege MA, Rabey M, Goodall S, Saing S, Lo S, Luomajoki H, Herbert RD, **Maier C**, Moseley GL, McAuley JH. Effect of graded sensorimotor retraining on pain intensity in patients with chronic low back pain: a randomized clinical trial. *JAMA*. 2022;328(5):430-9.
15. **Bates A**, Furber S, **Sherrington C**, van den Dolder P, Ginn K, Bauman A, Howard K, Kershaw M, Franco L, Chittenden C, **Tiedemann A**. Effectiveness of workshops to teach a home-based exercise program (BEST at Home) for preventing falls in community-dwelling people aged 65 years and over: a pragmatic randomised controlled trial. *BMC Geriatrics*. 2022;22(1).
16. Bejarano G, Csiernik B, Young JJ, Stuber K, **Zadro JR**. Healthcare students' attitudes towards patient centred care: a systematic review with meta-analysis. *BMC Medical Education*. 2022;22(1).
17. Bittencourt JV, Chaves de Souza PA, Corrêa LA, Narcizo Volotao A, **Mathieson S**, Nogueira LAC. Health literacy, pain-related interference, and pain-related distress of patients with musculoskeletal pain. *Health Promotion International*. 2021 Oct 31;daab183. doi: 10.1093/heapro/daab183. Online ahead of print.
18. Block H, Annesley A, Lockwood K, Xu L, Cameron ID, Laver K, Crotty M, **Sherrington C**, Kifley A, Howard K, Pond D, Nguyen TA, Kurrle SE. Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings (FORTRESS): protocol for a hybrid type II stepped wedge, cluster, randomised trial. *BMC Geriatrics*. 2022;22(1).
19. Blokzijl J, Hopin L, Cullen L, Coggins A, Gillet M, Middleton P, **Ferreira GE**, **Machado G**, **Maier C**, **Traeger A**. Diagnoses and trends in use of imaging for low back pain in four Australian emergency departments between 2012 and 2019. *Emergency Medicine Australasia*. 2022;34(4):539-46.
20. Camara GC, **Oliveira JS**, **Tiedemann A**, **Sherrington C**, Lord SR, Bauman AE, Anstey KJ, Shepherd RB. 591 Yoga for falls prevention: impressions of people aged 60 years and over. *Injury Prevention*. 2022;28:A89.
21. Cashin AG, Lee H, **Traeger A**, Moseley GL, Hübscher M, **Kamper SJ**, Skinner IW, McAuley JH. Producing clinically meaningful reductions in disability: A Causal Mediation Analysis of a Patient Education Intervention. *Journal of Pain*. 2022;23(2):236-47.
22. Caterson HC, **Youssef P**. Sulfasalazine-induced myopathy in a patient with an acute spondyloarthritis. *Intern Med J*. 2022 Jan;52(1):155.
23. **Chen Q**, **Machado G**, **Ferreira GE**, **Maier C**. Comment on the article by Singh et al.: The 2019 GBD study provided very limited primary data to estimate the burden of osteoarthritis in India over 30 years. *Osteoarthritis and Cartilage*. 2022;30(10):1411-2.
24. **Chen Q**, **Machado G**, **Ferreira GE**, **Maier C**. The GBD Study 2019 provided very limited data to estimate the prevalence of osteoarthritis in 204 countries over 30 years: comment on the article by Long et al. *Arthritis & Rheumatology* 2022;74(8):1455-6.
25. **Chen Q**, Medina CMS, **Maier C**, **Ferreira GE**, Hernández AEO, Godínez VV, Gómez AF, **Vella S**, **Machado G**. Almost one in five Physiotherapy trials excluded people due to lack of language proficiency: A meta-epidemiological study. *Journal of Clinical Epidemiology*. 2022;152:13-22.
26. **Chen Q**, **Vella S**, **Maier C**, **Ferreira GE**, **Machado G**. Racial and ethnic differences in the use of lumbar imaging, opioid analgesics and spinal surgery for low back pain: a systematic review and meta-analysis. *European Journal of Pain*. 2022; 10.1002/ejp.2075.
27. Clemson L, Stark S, Pighills A, Lamb S, **Fairhall N**, Jinnat A, **Sherrington C**. Environmental interventions for preventing falls in older people living in the community. *Cochrane Database of Systematic Reviews*. In Press, accepted 16 November 2022.
28. **Coombs D**, **Machado G**, Collett M, **Mathieson S**, **Abdel Shaheed C**, **Lin C**, **Maier C**. Continued opioid use following an emergency department presentation for low back pain. *Emergency Medicine Australasia* 2022 34: 694-697.
29. Corrêa LA, Bittencourt JV, **Mathieson S**, Teixeira dos Santos L, Meziat-Filho N, Jandre dos Reis FJ, de Sá Ferreira A, Nogueira LAC. Pain-related interference and pain-related distress of three different phenotypes of patients with chronic low back pain. *Musculoskeletal Science and Practice*. 2022.

30. Corrêa LA, Bittencourt JV, Pagnez MAM, **Mathieson S**, Sargiotto BT, Telles GF, Meziat-Filho N, Nogueira LAC. Neural management plus advice to stay active on clinical measures and sciatic nerve area for patients with chronic sciatica: study protocol for a controlled randomised clinical trial. *Plos One* 2022;17(2):e0263152.
31. Corrêa LA, **Mathieson S**, Hancock M, Verhagen A, Darlow B, Hodges P, French S. Knowledge and beliefs questionnaires for musculoskeletal pain conditions: a systematic review protocol. *J Can Chiropr Assoc.* 2022;66(2):217.
32. Corrêa LA, **Mathieson S**, Teixeira dos Santos L, Meziat-Filho N, Jandre dos Reis FJ, de Sá Ferreira A, Nogueira LAC. Which psychosocial factors are related to severe pain and functional limitation in patients with low back pain? *Brazilian Journal of Physical Therapy.* 2022;26(3):100413.
33. **Costa N**, Blyth, FM, Parambath, S, & Huckel Schneider, C. What's the problem of low back pain represented to be? An analysis of discourse of the Australian context. *Disability and Rehabilitation.* 2022.
34. **Costa N**, Mescouto, K, Dillon, M, Olson, R, Butler, P, Forbes, R, & Setchell, J. The ubiquity of uncertainty in low back pain care. *Social Science and Medicine,* 2022, 313.
35. **Costa N**, Blyth, FM, Amorim, AB, Parambath, S, Shanmuganathan, S, & Huckel Schneider, C. Implementation Initiatives to Improve Low Back Pain Care in Australia: A Scoping Review. *Pain medicine (Malden, Mass.),* 2022, 23(12), 1979-2009.
36. **Costa N**, Smits, EJ, Kasza, J, Salomoni, S, Rodriguez-Romero, B, Ferreira, ML, & Hodges, PW. Are objective measures of sleep and sedentary behaviours related to low back pain flares? *Pain,* 2022, 163(9), 1829-1837.
37. Cross AJ, Buchbinder R, **Mathieson S**, Bourne A, **Maier C**, **Lin C**, O'Connor DAO. Barriers and enablers to monitoring and deprescribing opioid analgesics for chronic non-cancer pain: A qualitative evidence synthesis using the Theoretical Domains Framework. *BMJ Quality & Safety* 2022 Jan 21:bmjqs-014186.
38. Cuadra G, **Oliveira JS**, **Pinheiro M**, **Tiedemann A**, **Sherrington C**, Pivotto L, Khalatbari-Soltani S, **Sharma S**, **Costa N**. Physical activity interventions for adults aged 60+ years in low-and middle-income countries: a scoping review. *Journal of Physical Activity and Health.* Dec 2022
39. Damato TM, Christofaro D, **Pinheiro M**, Morelhaio PK, Pinto RZ, Silva DO, Tebar W, Grande G, Oliveira C. Does sedentary behavior contribute to the development of a new episode of low back pain? A systematic review of prospective cohort studies. *European Journal of Pain* 2022; 26:1412-1423.
40. Dario AB, **Kamper SJ**, Williams C, Straker L, O'Sullivan P, Schütze R, Smith A. Psychological distress in early childhood and the risk of adolescent spinal pain with impact. *Eur J Pain.* 2022;26(2):522-30
41. Davidson SR, Bolsewicz K, **Kamper SJ**, Haskins R, Petkovic D, Feenan N, Smith D, O'Flynn M, Pallas J, Williams CM. Perspectives of emergency department clinicians on the challenges of addressing low back pain in the emergency setting: a qualitative study. *Emergency Medicine Australasia.* 2022;34(2):199-208
42. Davidson SR, **Kamper SJ**, Haskins R, O'Flynn M, Coss K, Smiles JP, Tutty A, Linton J, Bryant J, Buchanan M, Williams CM. Low back pain presentations to rural, regional, and metropolitan emergency departments. *Australian Journal of Rural Health.* 2022;30(4):458-67.
43. Delbaere K, Elkington J, Lord SR, Batchelor F, Sturnieks DL, **Sherrington C**. The rising cost of falls – Health researchers are calling for action. *Australasian Journal on Ageing.* 2022;41(4):487-9.
44. Diniz LM, Oliveira CB, **Machado G**, **Maier C**, Verhagen A, Fernandes DAM, Franco MR, Souza TR, Pinto RZ. Effectiveness of brief patient information materials for promoting correct beliefs about imaging and inevitable consequences of low back pain: A randomised controlled trial. *Clinical Rehabilitation.* 2022;36(4):527-537.
45. Diong J, Carden PC, O'Sullivan K, **Sherrington C**, Reed DS. Eccentric exercise improves joint flexibility in adults: A systematic review update and meta-analysis. *Musculoskeletal Science and Practice.* 2022;60.
46. El-Kotob R, Pagcanlungan J, Craven BC, **Sherrington C**, Mourtzakis M, Giangregorio L. Researchers' Perspectives on Adverse Event Reporting in Resistance Training Trials: A Qualitative Study. *Applied Physiology, Nutrition, and Metabolism.* 2022;47(9):893-902.

47. **Fairhall N**, Dyer SM, Mak J, Diong J, **Kwok W**, **Sherrington C**. Interventions for improving mobility after hip fracture surgery in adults. *Cochrane Database of Systematic Reviews*. 2022;2022(9).
48. Feise RJ, **Mathieson S**, Kessler RS, Witenko C, Zaina F, Brown BT. Benefits and harms of treatments for chronic non-specific low back pain without radiculopathy: Systematic review and meta-analysis. *Spine J*. 2022 Nov 17:S1529-9430(22)01006-3.
49. **Ferreira GE**, **Zadro JR**, **Liu C**, **Harris I**, **Maher C**. Second opinions for spine surgery: a scoping review. *BMC Health Services Research* 2022 22(1) 358..
50. **Ferreira GE**, Elkins MR, **Jones CM**, **O’Keeffe M**, Cashin AG, Becerra RE, Gamble AR, **Zadro JR**. Reporting characteristics of journal infographics: a cross-sectional study. *BMC Medical Education*. 2022;22(1).
51. **Ferreira GE**, Lobo M, **Richards B**, Dinh M, **Maher C**. Hospital variation in admissions for low back pain following an emergency department presentation: a retrospective study. *BMC Health Services Research* 2022 22(1):83.
52. **Ferreira GE**, **Zadro JR**, **O’Keeffe M**, Chen M, Gao Y, Hu Z, Zhang Z, **Harris I**, **Maher C**. A content analysis of online information about the benefits and harms of spine surgery. *Brazilian Journal of Physical Therapy* 2022; 26(2).
53. Fioratti I, Fandim JV, Pereira C, Batista G, Freitas GE, Palomo A, Reis FJJ, Miyamoto G, Costa LOP, Dear B, **Maher C**, Saragiotto B. Feasibility, Usability and Implementation Context of an Internet-Based Pain Education and Exercise Program for Chronic Low Back Pain: a pilot trial of the REABILITADOR program. *JMIR Formative Research* 2022;6(8). e35743 PMID: 35776863
54. Gamble AR, McKay MJ, Pappas E, Dale M, O’Keeffe M, **Ferreira GE**, Richardson K, **Zadro JR**. Online information about the management of anterior cruciate ligament ruptures in Australia: A content analysis. *Musculoskeletal Science and Practice*. 2022; 59.
55. **Gilchrist H**, **Haynes A**, **Oliveira JS**, Grunseit A, **Sherrington C**, Bauman A, Shepherd R, **Tiedemann A**. The value of mind-body connection in physical activity for older people. *Journal of Aging and Physical Activity* 2022;1:1-8.
56. Gleadhill C, Bolsewicz K, Davidson SR, **Kamper SJ**, Tutty A, Robson E, Da Silva PV, Donald B, Dooley K, Manvell J, Manvell N. Physiotherapists’ opinions, barriers, and enablers to providing evidence-based care: a mixed-methods study. *BMC Health Services Research*. 2022;22(1).
57. Gosselink R, **Zadro JR**. Appraisal of Clinical Practice Guideline: Physiotherapy for epidermolysis bullosa. *Journal of Physiotherapy*. 2022;68(3):209.
58. Hamilton C, Lovarini M, van den Berg M, McCluskey A, **Hassett L**. Usability of affordable feedback-based technologies to improve mobility and physical activity in rehabilitation: a mixed methods study. *Disability and Rehabilitation*. 2022;44(15):4029-38.
59. **Hamilton M**, Gnjidic D, **Lin C**, Jansen J, Weir KR, **Abdel Shaheed C**, Blyth F, **Mathieson S**. Opioid deprescribing: qualitative perspectives from those with chronic non-cancer pain. *Research in Social and Administrative Pharmacy* 2022 18:4083-4091.
60. **Hamilton M**, **Mathieson S**, Blyth F, Gnjidic D, Jansen J, Weir K, **Abdel Shaheed C**, **Lin C**. Barriers, facilitators and resources to opioid deprescribing in primary care: experiences of general practitioners in Australia. *PAIN*. 2022;163(4):e518–e526.
61. **Hamilton M**, **Kwok W**, Hsu A, **Mathieson S**, Gnjidic D, Deyo R, Ballantyne J, von Kroff M, Blyth F, **Lin C**. Opioid deprescribing in patients with chronic noncancer pain: a systematic review of international guidelines. *Pain* 2023;164:485-93.
62. **Han CS**, Hancock MJ, Downie A, Jarvik JG, Koes BW, **Machado G**, Verhagen AP, Williams CM, **Maher C**. Red flags to screen for vertebral fracture in patients presenting with low back pain. *Cochrane Database of Systematic Reviews*. 2022;7:CD014461.
63. **Han CS**, Hancock MJ, **Maher C**. Reconsidering non-specific low back pain: Where to from here? *Spine Journal* 2022 22: 1927-1930.
64. Hancock MJ, **Maher C**, Jarvik JG, Battie MC, Elliott J, Jensen T, Panagopoulos J, Jenkins H, Pardey M, McIntosh J, Magnussen J. Reliability and validity of subjective radiologist reporting of temporal changes in lumbar spine MRI findings. *PMR* 2022;14(11):1325-32.

65. Hanna S, **Youssef P**, Lowe P. Novel combination biologic therapy for recalcitrant psoriasis and psoriatic arthritis in a medically complex patient. *Australas J Dermatol.* 2022 Feb;63(1):e63-e66
66. Harrison L, Wong D, **Traeger A**, Harmer R, Jennings M, & **Moseley AM**. Knowledge, skills and barriers to evidence-based practice and the impact of a flipped classroom training program for physical therapists: An observational study. *Physiotherapy theory and practice*, 2022,38(13), 2702–2713.
67. Hartvigsen J, **Kamper SJ**, French SD. Low-value care in musculoskeletal health care: Is there a way forward? *Pain Practice.* 2022;22(S2):65-70.
68. **Hassett L**, Jennings M, Brady B, **Pinheiro M**, **Haynes A**, Sidhu B, Christie L, Dennis S, Pearce A, Howard K, Greaves C, **Sherrington C**. Brief Physical Activity Counselling by Physiotherapists (BEHAVIOUR): protocol for an effectiveness-implementation hybrid type II cluster randomised controlled trial. *Implementation Science Communications.* 2022 Apr 8;3(1):39
69. **Hassett L**, Wolfenden L. 2022. Designing implementation trials in physiotherapy (Invited Research Note). *Journal of Physiotherapy.* 68 (2022):210-212
70. Hauber SD, Robinson K, Kirby E, **Kamper SJ**, Lennox NN, O'Sullivan K. Describing the Non-Surgical, Non-Pharmacological Interventions Offered to Adolescents with Persistent Back Pain in Randomized Trials: A Scoping Review. *Eur J Pain* 2022
71. Hauber S, Robinson K, Kirby E, **Kamper SJ**, Lennox NN, O'Sullivan K. Describing the nonsurgical, nonpharmacological interventions offered to adolescents with persistent back pain in randomized trials: A scoping review. *European Journal of Pain (United Kingdom).* 2022;18(1):970.
72. Hayden JA, Hayden JA, Ogilvie R, Singh S, Kashif S, Hartvigsen J, **Maher C**, Furlan AD, Lasserson T, Tugwell P, van Tulder M. Commentary: collaborative systematic review may produce and share high-quality, comparative evidence more efficiently. *Journal of Clinical Epidemiology.* 2022;152:288-94.
73. **Haynes A**, **Gilchrist H**, **Oliveira JS**, Grunseit A, **Sherrington C**, Lord S, **Tiedemann A**: What helps older people persevere with yoga classes? A realist process evaluation of a COVID-19-affected yoga program for fall prevention. *BMC Public Health.* 2022 Mar 8;22(1):463.
74. **Haynes A**, **Gilchrist H**, **Oliveira JS**, **Sherrington C** & **Tiedemann A**. "I wouldn't have joined if it wasn't online": understanding older people's engagement with teleyoga classes for fall prevention. *BMC Complementary Medicine and Therapies*, 2022,22(283).
75. **Haynes A**, **Sherrington C**, Ramsay E, **Kirkham C**, Manning S, **Wallbank G**, **Hassett L**, **Tiedemann A**. "Sharing Success with Someone": Building therapeutic alliance in physiotherapist-delivered physical activity coaching for healthy aging. *Physiotherapy Theory and Practice.* 2022;38(13):2771-87.
76. Hicks KM, Orange ST, Dulson D, Ansdell P, Todryk S, **Gilbert S** and Saxton JM (2022). The effect of menstrual cycle phase on immune responses to acute exercise: An exploratory study. *International Journal of Sports Physiology and Performance.* DOI: 10.1123/ijsp.2022-0130.
77. Ho K, Simic M, **Pinheiro M**, Miller CB, Ferreira M, Grunstein RR, Hopper J, Ordoñana J, Ferreira PH. Efficacy of a digital cognitive behavioral therapy for insomnia in people with low back pain: a feasibility randomized co-twin and singleton-controlled trial. *Pilot and Feasibility Studies* 2022;8:125.
78. Ho K, Skarpsno E, Nilsen K, Ferreira PH, **Pinheiro M**, Hopstock L, Johnsen MB, Steingrimsdóttir OA, Nielsen CS, Stubhaug A, Simic M. A bidirectional study of the association between insomnia, high-sensitivity C-reactive protein, and comorbid low back pain and lower limb pain. *Scandinavian Journal of Pain* 2022; 23:110-125.
79. Irving M, Pescud M, Howse E, **Haynes A**, & Rychetnik L. Developing a systems thinking guide for enhancing knowledge mobilisation in prevention research. *Public Health Research & Practice* 2022: 32232212-32232212.
80. Jenkins H, French SD, Young A, Moloney NA, **Maher C**, Magnussen **JS**, Dear BF, Hancock MJ. Feasibility of testing the effectiveness of a theory-informed intervention to reduce imaging for low back pain: a pilot cluster randomised controlled trial. *Pilot and Feasibility Studies* 2022 8:249
81. Jenkins HJ, **Ferreira GE**, Downie A, **Maher C**, Buchbinder R, Hancock MJ. The available evidence on the effectiveness of 10 common approaches to the management of non-specific low back pain: an evidence map. *European Journal of Pain* 2022 26(7):1399-1411

82. Jenkins HJ, Moloney NA, French SD, **Maher C**, Dear BF, Magnussen **JS**, Hancock MJ. General practitioner experiences using a low back pain management booklet aiming to decrease non-indicated imaging for low back pain. *Implementation Science Communications* 2022 28; 3(1):71.
83. Johnstone CS, Roberts D, **Mathieson S**, Steffens D, Koh CE, Solomon MJ, McLachlan AJ. Pain, pain management and related outcomes following pelvic exenteration surgery: A systematic review. *Colorectal Disease*. 2022.
84. **Jones CM**, **Lin C**, Day RO, Koes BW, **Latimer J**, **Maher C**, McLachlan AJ, Billot L. OPAL: a randomised, placebo-controlled trial of opioid analgesia for the reduction of pain severity in people with acute spinal pain—a statistical analysis plan. *Trials* 2022 23(1):212.
85. **Jones CM**, **Shaheed CA**, **Ferreira GE**, Mannix L, **Harris I**, Buchbinder R, **Maher C**. Spinal Cord Stimulators: An Analysis of the Adverse Events Reported to the Australian Therapeutic Goods Administration. *Journal of Patient Safety*. 2022;18(5):507-11.
86. **Jones CM**, **Abdel Shaheed C**, **Ferreira GE**, Mannix L, **Harris I**, Buchbinder R, **Maher C**. Author Response. 2022 Dec 19 [Epub ahead of print]
87. **Jones CM**, **Lin C**, Jamshidi M, Dinh M, Patanwala A, **Harris I**, **Abdel Shaheed C**, **Maher C**, **Mathieson S**. Effectiveness of opioid analgesic medicines prescribed in, or at discharge from, emergency departments for musculoskeletal pain. *Annals Internal Medicine*. 2022;175(11):1572-158.
88. **Kamper SJ**, Thompson BL. Qualitative Research: Linking Evidence to Practice. *Journal of Orthopaedic and Sports Physical Therapy*. 2022;52(6):408-9. 8
89. **Kamper SJ**, Wiley C, Beldham-Collins R, Cowles L, Heikkinen J, Henderson J, Kirsten L, Eslick GD. Evaluation of research capacity in a state health district. *Asia Pacific Journal of Health Management*. 2022;17(2).
90. **Kamper SJ**. Sample Size: Linking Evidence to Practice. *Journal of Orthopaedic and Sports Physical Therapy*. 2022;52(8):563-4.
91. Karjalainen T, **Richards B**, Buchbinder R. Platelet-rich plasma injection for tennis elbow: did it ever work? *BMJ Open Sport Exerc Med*. 2022 Jan 11;8(1):e001258. doi: 10.1136/bmjsem-2021-001258.
92. Kasch R, Truthman J, Hancock MJ, **Maher C**, Otto M, Nell C, Reichwein N, Chenot JF, Wassilew G, Schmidt CO. Association of lumbar MRI findings with current and future back pain in a population-based cohort study. *Spine* 2022 47(3): 201-211.
93. Kasch R, Truthman J, Hancock MJ, **Maher C**, Otto M, Nell C, Reichwein N, Chenot JF, Wassilew G, Schmidt CO. General population research is not patient research; and despite this can be of clinical interest. Accepted for *Spine* 4/11/2022. (Reply to letter).
94. **Kharel P**, **Zadro JR**, Sundaram CS, McCaffery K, Dodd RH, **McLennan C**, **Maher C**. Physiotherapists attitudes, views, and beliefs about Choosing Wisely recommendations: a qualitative study. *Musculoskeletal Science and Practice* 2022; 61: 102610
95. King MH, **Costa N**, Lewis A, Watson K & Vicenzino B. Throwing in the deep end: athletes, coaches and support staff experiences, perceptions and beliefs of upper limb injuries and training load in elite women's water polo. *BMJ Open Sport and Exercise Medicine*, 2022; 8(1).
96. **Langford A**, Schneider SR, **Lin C**, Gnjidic D. Can we improve patient outcomes through utilising evidence-based opioid deprescribing guidelines to reduce opioid use? *Pain* 2022 163:e382.
97. Leite M, **Kamper SJ**, Broderick C, Yamato TP. What Works When Treating Children and Adolescents With Low Back Pain? *Journal of Orthopaedic and Sports Physical Therapy*. 2022;52(7):419-24.
98. **Maher C**, **Gilbert S**, **Machado G**, **Chen Q**. Letter to the Editor concerning “Epidemiological trends of low back pain at the global, regional, and national levels” by L. Wang et al. *Eur Spine J* (2022).
99. **Maher C**, **Ferreira GE**. Iran's burden of disease and burden of data collection. *The Lancet*. 2022;400(10351):490.
100. **Maher C**, **Ferreira GE**. Time to reconsider what Global Burden of Disease studies really tell us about low back pain. *Ann Rheum Dis* 2022 Mar;81(3):306-308.
101. **Maher CM**, **Jones CM**, **Abdel Shaheed C**, **Lin C**. Letter to the Editor: an updated overview of low back pain management. *Asian Spine Journal*. 2022;16(1):150-1.

102. **Manewell S**, Aitken SJ, Nube V, Crawford A, Constantino MI, Twigg SM, Menz HB, **Sherrington C**, Paul SS. Length of stay and re-admissions for people with diabetes-related foot ulceration admitted to two public tertiary referral hospitals in Australia. *Wound Practice and Research* 2022; 30(2):82-90.
103. **Manewell S**, Aitken SJ, Nube V, Crawford A, Constantino MI, Twigg SM, Menz HB, **Sherrington C**, Paul SS. Timing of minor and major amputation in patients with diabetes-related foot ulceration admitted to two public tertiary referral hospitals in Australia. *ANZ Journal of Surgery*. 2022.
104. Martini JD, **Ferreira GE**, Xavier de Araujo F. Pilates for neck pain: A systematic review and meta-analysis of randomised controlled trials. *Journal of Bodywork and Movement Therapies*. 2022; 31:37-44.
105. Mastrogiovanni C, Rosenbaum S, Delbaere K, **Tiedemann A**, Teasdale S, McGavin A, Briggs N, McKeon G. A mental health-informed, online health promotion programme targeting physical activity and healthy eating for adults aged 60+ years: study protocol for the MovingTogether randomised controlled trial. *Trials* 2022;23(1):1-14.
106. **Mathieson S**, **O'Keeffe M**, **Traeger A**, **Ferreira GE**, **Abdel Shaheed C**. Content and sentiment analysis of gabapentinoid-related tweets: An infodemiology study. *Drug and Alcohol Review*. 2022 Dec 20 [Accepted, e-pub <https://doi.org/10.1111/dar.13590>].
107. Matthew **JS**. Parker, James B. Lilleker, Hector Chinoy, Adult idiopathic inflammatory myopathies, *Medicine*, Volume 50, Issue 1, 2022, Pages 70-75, ISSN 1357-3039, 2021.10.011.
108. **McKenzie BJ**, Haas R, **Ferreira GE**, **Maher CG**, Buchbinder R. The environmental impact of health care for musculoskeletal conditions: A scoping review. *Plos one*. 2022 Nov 28;17(11):e0276685.
109. McKeon G, **Tiedemann A**, **Sherrington C**, Teasdale S, Mastrogiovanni C, Wells R, Steel Z, Rosenbaum S. Feasibility of an online, mental health-informed lifestyle program for people aged 60+ years during the COVID-19 pandemic. *Health Promotion Journal of Australia*. 2022;33(3):545-52.
110. Megalaa T, Hiller CE, **Ferreira GE**, Beckenkamp PR, Pappas E. The effect of ankle supports on lower limb biomechanics during functional tasks: A systematic review with meta-analysis. *Journal of Science and Medicine in Sport*. 2022;25(7):615-30.
111. **Melman A**, **Maher C**, **Needs C**, **Machado G**. Many people admitted to hospital with a provisional diagnosis of nonserious back pain are subsequently found to have serious pathology as the underlying cause. *Clinical Rheumatology*. 2022;41(6):1867-71.
112. **Melman A**, **Maher C**, **Needs C**, Richards R, Rogan E, **Teng MJ**, **Machado G**. Management of patients with low back pain admitted to hospital: an observational study of usual care. *International Journal of Rheumatic Diseases*. 2022;10.1111/1756-185X.14449.
113. **Melman A**, **Needs C**, **Maher C**, **Machado G**. Many people admitted to hospital with a provisional diagnosis of non-serious back pain are subsequently found to have serious pathology as the underlying cause. *Clinical Rheumatology*. 2022;41(6):1867-1871.
114. Mescouto K, Olson RE, **Costa N**, Evans K, Dillon M, Jensen N, Setchell J. 'Engaging on a slightly more human level': A qualitative study exploring the care of individuals with back pain in a multidisciplinary pain clinic. *Health (United Kingdom)*. 2022, doi:10.1177/13634593221127817
115. Mescouto K, Olson RE, Hodges PW, **Costa N**, Patton MA, Evans K, Setchell J. Physiotherapists Both Reproduce and Resist Biomedical Dominance when Working With People With Low Back Pain: A Qualitative Study Towards New Praxis. *Qualitative Health Research*, 2022, 32(6), 902-915.
116. Mikolaizak AS, Harvey L, Toson B, Lord SR, **Tiedemann A**, Howard K, Close JCT. Linking health service utilisation and mortality data– unravelling what happens after fall-related paramedic care. *Age and Ageing* 2022; 51:1–10.
117. Montero-Odasso M, van der Velde N, Martin FC, Petrovic M, Tan MP, Ryg J, Aguilar-Navarro S, Alexander NB, Becker C, Blain H, Bourke R, Cameron ID, Camicioli R, Clemson L, Close J, Delbaere K, Duan L, Duque G, Dyer S, Freiburger E, Ganz D, Gómez F, Hausdorff JM, Hogan DB, Hunter SMW, Jauregui JR, Nellie Kamkar N, Kenny R-A, Lamb SE, Latham NK, Lipsitz LL, Liu-Ambrose T, Logan P, Lord SR, Mallet L, Marsh D, Milisen K, Moctezuma-Gallegos R, Meg E, Morris ME, Nieuwboer A, Perracini MR, Pieruccini-Faria F, Pighills A, Said C, Sejdic E, **Sherrington C**, Skelton DA, d'Souza S, Speechley M, Stark S, Todd C, Troen BR, van der Cammen T, Verghese J, Vlaeyen E, Watt JA, Masud T,

- on behalf of the Global Falls Guidelines Task Force. World Guidelines for Falls Prevention and Management for Older Adults: A Global Initiative. *Age and Ageing* 2022;51:1-36.
118. **Montgomery LR, Kamper SJ**, Hartvigsen J, French SD, Hestbaek L, Troelsen J, Swain MS. Exceeding two hours sedentary time per day is not associated with moderate to severe spinal pain in 11 to 13-year-olds: A cross-sectional analysis. *Eur J Pediatr.* 2022;181(2):653-59
 119. Morvaridzadeh M, Qorbani M, Shokati Eshkiki Z, Estêvão MD, Mohammadi Ganjaroudi N, Toupchian O, Abdollahi S, Pizarro AB, Abu-Zaid A, **Zadro JR**, Heshmati J. The effect of almond intake on cardiometabolic risk factors, inflammatory markers, and liver enzymes: A systematic review and meta-analysis. *Phytotherapy Research.* 2022;36(12):4325-44.
 120. **Moseley A, Pinheiro M.** Evaluating risk of bias of randomised controlled trials. *Journal of Physiotherapy* 2022;68:148-150.
 121. O'Hagan ET, Di Pietro F, **Traeger A**, Cashin AG, Hodges PW, Wand BM, O'Neill S, Schabrun SM, **Harris IA** & McAuley JH. What messages predict intention to self-manage low back pain? A study of attitudes towards patient education. *Pain*, 2022, 163(8), 1489–1496.
 122. O'Hagan ET, Skinner IW, Jones MD, Karran EL, **Traeger A**, Cashin AG, Wand BM, Schabrun SM, O'Neill S, **Harris IA**, & McAuley JH. Development and measurement properties of the AxEL (attitude toward education and advice for low-back-pain) questionnaire. *Health and quality of life outcomes*, 2022, 20(1), 4.
 123. O'Connor D, Glasziou P, **Maher C**, McCaffery K, Schram D, Maguire B, Ma R, Billot L, Gorelik A, Traeger A, Albarqouni L, Checketts J, Vyas P, Clark B, Buchbinder R. Effect of an individualized audit and feedback intervention on rates of musculoskeletal diagnostic imaging requests by Australian general practitioners: A randomized clinical trial. *JAMA* 2022 328: 850-860.
 124. O'Keefe M, **Ferreira GE, Harris I**, Darlow B, Buchbinder R, **Traeger A, Zadro JR**, Herbert R, Thomas R, Belton J, **Maher C**. Effect of diagnostic labelling on management intentions for non-specific low back pain: a randomised scenario-based experiment. *Eur J Pain.* 2022 May 26. doi: 10.1002/ejp.1981.
 125. **O'Keefe M, Kamper SJ, Montgomery L**, Williams A, Martiniuk A, Lucas B, Dario AB, Rathleff MS, Hestbaek L, Williams CM. Defining Growing Pains: A Scoping Review. *Paediatrics.* 2022;150(2):e2021052578
 126. **O'Keefe M**, Michaleff ZA, **Harris I**, Buchbinder R, **Ferreira GE, Zadro JR, Traeger A**, Thomas R, Belton J, Darlow B, **Maher C**. Public and patient perceptions of diagnostic labels for non-specific low back pain: a content analysis. *European Spine Journal* 2022;31(12):3627-39
 127. O'Sullivan IC, **Costa N**, Franettovich Smith MM, Vicenzino B, Crossley KM, **Kamper SJ**, van Middelkoop M, Menz HB, Tucker K, O'Leary KT, Collins NJ. Adolescent perspectives on participating in a feasibility trial investigating shoe inserts for patellofemoral pain. *Journal of Foot and Ankle Research.* 2022;15(1).
 128. Oliveira C, **Hamilton M, Maher C, Traeger A**, Buchbinder R, **Richards B**, Rogan E, **Machado G**. Do patients with acute low back pain in emergency departments have more severe symptoms than those in general practice? A systematic review with meta-analysis. *Pain Medicine.* 2022;23(4):614-624.
 129. Oliveira CB, Christofaro DGD, **Maher C**, Franco MR, **Tiedemann A**, Silva FG, Damato TM, Nicholas MK, Pinto RZ. Adding physical activity coaching and an activity monitor was no more effective than adding an attention control intervention to group exercise for patients with chronic nonspecific low back pain (Physical (PAYBACK) Trial): a randomised trial. *Journal of Orthopaedic and Sports Physical Therapy* 2022 52: 287-299.
 130. **Oliveira JS, Gilbert S, Pinheiro M, Tiedemann A**, Macedo LB, Maia L, **Kwok W, L. Hassett L, Sherrington C.** Effect of sport on health in people aged 60 years and older: a systematic review with meta-analysis. 2023; *British Journal of Sports Medicine* 2023;57: 230-236.
 131. Paul S, Khalatbari-Soltani S, Dolja-Gore X, Clemson L, Lord SR, Harvey L, **Tiedemann A**, Close JCT, **Sherrington C.** Fall-related health service use in Stepping On program participants and matched controls: A non-randomised observational trial within the 45 and Up Study. *Age & Ageing.* 2022;51(12).

132. Paul S, Taylor J, **Tiedemann A**, Harvey L, Close JCT, Lord SR, Dolja-Gore X, Carney R, Clemson L, **Sherrington C**. Patterns of health service use before & after a statewide falls prevention initiative for older adults at risk of falls. *Australasian Journal on Ageing* 2022;41(4):542-553.
133. Pavic K, McGill V, D'Souza M, **McGill N**. The preservation of synovial fluid using dimethyl sulfoxide. *Ann Clin Biochem*. 2022 Jul;59(4):296-301. doi: 10.1177/00045632221076349. Epub 2022 Mar 11.
134. **Pinheiro MB**, **Hassett L**, **Sherrington C**, Hayes A, van den Berg M, Lindley RI, Crotty M, **Chagpar S**, **Treacy D**, Weber H, **Fairhall N**. Economic evaluation of digitally enabled aged and neurological rehabilitation care in the Activity and MObility UsiNg Technology (AMOUNT) trial. *Clinical Rehabilitation*. 2022 Nov 20:02692155221138920.
135. **Pinheiro M**, Howard K, **Sherrington C**, Bauman A, **Costa N**, Smith BJ, Bellew W, Ding D, **Tiedemann A**, Wang B, Santos AC, Bull F, Willumsen J, Albuquerque BS, Lunar FR, **Bapat V**, Norris SK. Economic evaluation of physical activity mass media campaigns across the globe: a systematic review. *International Journal of Behavioral Nutrition and Physical Activity* 2022;19(1):1-18.
136. **Pinheiro M**, **Oliveira JS**, **Baldwin JN**, **Hassett L**, **Costa N**, **Gilchrist H**, Wang B, **Kwok W**, Albuquerque BS, Pivotto LR, Carvalho-Silva APMC, **Sharma S**, **Gilbert S**, Bauman A, Bull FC, Willumsen J, **Sherrington C**, **Tiedemann A**. Impact of physical activity programs and services for older adults: a rapid review. *International Journal of Behavioral Nutrition and Physical Activity* 2022;19(1):1-16.
137. **Pinheiro MB**, Howard K, **Oliveira JS**, **Kwok W**, **Tiedemann A**, Wang B, Taylor J, Bauman A, **Sherrington C**. Cost-effectiveness of physical activity programs and services for older adults: a scoping review. *Age and Ageing*. 2023 Mar;52(3):afad023.
138. **Pinheiro M**, **Sherrington C**, Howard K, Caldwell P, **Tiedemann A**, Wang B, **Oliveira JS**, Santos A, Bull F, Willumsen J, Michaleff Z, Ferguson S, Mayo E, **Fairhall N**, Bauman A, Norris S. Economic evaluations of fall prevention exercise programs: a systematic review. *British Journal of Sports Medicine* 2022;56(23):1353-1365.
139. Pocovi N, de Campos TF, **Lin C**, Merom D, **Tiedemann A**, Hancock MJ. Walking, cycling and swimming for non-specific low back pain: a systematic review with meta-analysis. *Journal of Orthopaedic & Sports Physical Therapy* 2022 Feb;52(2):85-99.
140. **Purcell K**, **Tiedemann A**, Kristensen MT, Cunningham C, Hjermundrud V, Ariza-Vega P, Perracini M, **Sherrington C**. Mobilisation and physiotherapy intervention following hip fracture: snapshot survey across six countries from the Fragility Fracture Network Physiotherapy Group. *Disability and Rehabilitation*. 2022;44(22):6788-95.
141. Reedman S, Sakzewski L, **Sherrington C**, Beckman E, **West K**, Trost S, Thomas R, Chatfield M, Dutia I, Gennen A, Dodds B, Cotton Z, Boyd R. Study protocol for Running for health (Run4Health CP): a multi-centre, assessor-blinded randomized controlled trial of 12 weeks of twice weekly Frame Running training versus usual care to improve cardiovascular health risk factors in children and youth with cerebral palsy. *BMJ Open* Apr;12(4):e057668.
142. Robson E, **Kamper SJ**, Lee H, Palazzi K, O'Brien KM, Williams A, Hodder RK, Williams CM. Compliance with telephone-based lifestyle weight loss programs improves low back pain but not knee pain outcomes: complier average causal effects analyses of two randomised trials. *Pain*. 2022;163(7):e862-68
143. Santos VS, **Kamper SJ**, Camargo BI, Leite M, Saragiotto BT, Costa LO, Yamato TP. Translation, cross-cultural adaptation, and measurement properties of the psychosomatic questionnaire for children and adolescents with musculoskeletal pain into Brazilian-Portuguese. *Brazilian Journal of Physical Therapy*. 2022;26(3).
144. Santos VS, Leite M, Camargo BI, Saragiotto BT, **Kamper SJ**, Yamato TP. Three in every 10 school-aged children in Brazil report back pain in any given year: 12-month prospective cohort study of prevalence, incidence and prognosis. *J Orthop Sports Phys Ther*. 2022;52(8):554-62
145. **Sharma S**, **Traeger A**, **Machado G**, **Abdel Shaheed C**, **Jones CM**, **Maher CM**. Effect of COVID-19 on management of patients with low back pain in the emergency department. *Australasian Emergency Care* 2021 2022 25(2): 154-160.

146. Smits EJ, Salomoni S, **Costa N**, Rodríguez-Romero B, Hodges PW. How reliable is measurement of posture during sleep: Real-world measurement of body posture and movement during sleep using accelerometers. *Physiological Measurement*. 2022;43(1).
147. Soares LO, **Ferreira GE**, Costa LOP, Nogueira LC, Meziat-Filho N, Reis FJJ. Meditation for adults with non-specific low back pain: A systematic review and meta-analysis. *Scandinavian Journal of Pain*. 2022;22(1):26-39.
148. Solomon JJ, Danoff SK, Woodhead FA, Hurwitz S, Maurer R, Glaspole I, Dellaripa PF, Gooptu B, Vassallo R, Cox PG, Flaherty KR, Adamali HI, Gibbons MA, Troy L, Forrest IA, Lasky JA, Spencer LG, Golden J, Scholand MB, Chaudhuri N, Perrella MA, Lynch DA, Chambers DC, Kolb M, Spino C, Raghu G, Goldberg HJ, Rosas IO; **TRAIL1 Network Investigators**. Safety, tolerability, and efficacy of pirfenidone in patients with rheumatoid arthritis-associated interstitial lung disease: a randomised, double-blind, placebo-controlled, phase 2 study. *Lancet Respir Med*. 2023 Jan;11(1):87-96.
149. Suri P, Tanus AD, Torres N, Timmons A, Irimia B, Friedly JL, Korpak A, Daniels C, Morelli D, Hodges PW, **Costa N**. The Flares of Low back pain with Activity Research Study (FLARes): study protocol for a case-crossover study nested within a cohort study. *BMC Musculoskeletal Disorders*. 2022;23(1).
150. Tamrakar M, **O’Keeffe M**, **Traeger A**, **Harris I**, **Maher C**. Diagnostic codes for low back pain, nomenclature or noise? A descriptive study of disease classification system coding of low back pain. *International Journal of Rheumatic Diseases* 2022 25:272-280.
151. Taylor J, Stratton E, McLean L, **Richards B**, Glozier N. How junior doctors perceive personalised yoga and group exercise in the management of occupational and traumatic stressors. *Postgrad Med J*. 2022 Jul;98(1161):e10.
152. Taylor ME, Wesson J, **Sherrington C**, Hill KD, Kurrle S, Lord SR, Brodaty H, Howard K, **O’Rourke S**, Clemson L, Payne N. Erratum to: Tailored Exercise and Home Hazard Reduction Program for Fall Prevention in Older People With Cognitive Impairment: The i-FOCIS Randomized Controlled Trial. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2022;77(2):e108.
153. **Tiedemann A**, **Sherrington C**, Bauman A, Ding D. Supporting physical activity in an ageing world: A call for action. *The Lancet Regional Health - Western Pacific*. 2022 (Accepted, ePub <https://doi.org/10.1016/j.lanwpc.2022.100546>)
154. **Treacy D**, **Hassett L**, Schurr K, **Fairhall N**, Cameron ID, **Sherrington C**. Mobility training for increasing mobility and functioning in older people with frailty. *Cochrane Database of Systematic Reviews*. 2022;2022(6).
155. Tymms K, O’Sullivan C, Smith T, Littlejohn G, Freeman T, Hoffman D, Segelov D, Griffiths H, Ciciriello S, **Yousef P**, Mathers D, Deakin CT. A novel electronic patient-reported outcome delivery system to implement health-related quality of life measures in routine clinical care: An analysis of 5 years of experience. *Front Digit Health*. 2023 Jan 9;4:1074931.
156. **Vella S**, **Chen Q**, **Maher C**, Simpson P, Swain MS, **Machado G**. Paramedic care for back pain: a review of Australian and New Zealand clinical practice guidelines. *Australasian Emergency Care* 2022 25: 354-360.
157. **Vella S**, **Chen Q**, **Maher C**, Simpson PM, Swain MS, **Machado G**. Paramedic management of back pain: a scoping review. *BMC Emergency Medicine* 2022 22: 144.
158. Viana da Silva P, **Kamper SJ**, Robson E, Davidson SR, Gleadhill C, Donald B, Yamato TP, Nolan E, Lee H, Williams C, Help Trial Working Group. "Myths and Facts" Education Is Comparable to "Facts Only" for Recall of Back Pain Information but May Improve Fear-Avoidance Beliefs: An Embedded Randomized Trial. *Journal of Orthopaedic and Sports Physical Therapy*. 2022;52(9):586-94.
159. **Wallbank G**, **Haynes A**, **Tiedemann A**, **Sherrington C** & Grunseit, AC. (2022). Designing physical activity interventions for women aged 50+: a qualitative study of participant perspectives. *BMC Public Health*, 22(1), 1855.
160. **Wallbank G**, **Sherrington C**, **Hassett L**, Canning C, Shepherd R, **Richards B**, Mackay C, **Tiedemann A**. "Active Women over 50. Promoting physical activity in women over 50: a randomized trial". *American Journal of Health Promotion* 2022;36(2):305-309.
161. **Wallbank G**, **Sherrington C**, **Hassett L**, Kwasnicka D, Chau JY, Martin F, Phongsavan P, Grunseit A, Canning C, Baird M, Shepherd R, **Tiedemann A**. Acceptability and feasibility of an online physical

- activity program for women over 50: a pilot trial. *Translational Behavioural Medicine* 2022;12(2):225-236.
162. **West CA**, Guemann M, Ilhan E. You Ask #PEDroAnswers, a global social media campaign to help physiotherapists improve their searching skills to find high-quality evidence. *European Rehabilitation Journal* 2022, 2(1): Epub.
163. Wewege M, Jones M, Williams S, **Kamper SJ**, McAuley JH. Rescaling pain intensity measures for meta-analyses of analgesic medicines for low back pain appears justified: an empirical examination from randomised trials. *BMC Research Methodolodol.* 2022;22:285.
164. Wiles LK, Hibbert PD, Stephens JH, Molloy C, **Maher C**, Buchbinder R, Moseley GL, O'Sullivan PB, Lin I, Briggs AM, Slater H. What Constitutes "Appropriate Care" for Low Back Pain? Point-of-Care Clinical Indicators From Guideline Evidence and Experts (the STANDING Collaboration Project). *Spine.* 2022;47(12):879-91.
165. Williams G, **Hassett L**, Clark R, Bryant A, Morris M, Olver J, Ada L. Ballistic strength training improves mobility more than usual physiotherapy intervention following traumatic brain injury: a randomised controlled trial. *Journal of Physiotherapy.* 2022 68;4:262-268.
166. Williamson J, Michaleff Z, Schneuer F, Wong P, **Needs C**, Thompson J, Hay L. An 11-year longitudinal analysis of refracture rates and public hospital service utilisation in Australia's most populous state. *Arch Osteoporos.* 2022 May 6;17(1):76.
167. Witherow JL, Jenkins HJ, Elliott JM, Ip GH, **Maher C**, Magnussen JS, Hancock MJ. Characteristics and Effectiveness of Interventions That Target the Reporting, Communication, or Clinical Interpretation of Lumbar Imaging Findings: A Systematic Review. *American Journal of Neuroradiology.* 2022;43(3):493-500.
168. Withers HG, Liu H, Glinsky JV, Chu J, Jennings MD, **Hayes A**, Starkey IJ, Palmer BA, Szymanek L, Cruwys JJ, Wong D. Protocol for a process evaluation: face-to-face physiotherapy compared with a supported home exercise programme for the management of musculoskeletal conditions: the REFORM trial. *BMJ Open.* 2022;12(7).
169. Wong J, **Sharma S**, Wong A, **Moseley A**, Ilhan E. Evidence In Your Inbox: a mixed methods study exploring the use of the Physiotherapy Evidence Database (PEDro) e-mail alert service. *Journal of Medical Internet Research.* 2022 Sept.
170. **Wong S**, **Hassett L**, Koorts H, Grunseit A, Tong A, **Tiedemann A**, Greaves C.J, **Haynes A**, Milat A, Harvey L.A, Taylor N.F, Hinman R, **Pinheiro M**, Jennings M, **Treacy D**, **O'Rourke S**, **West C**, Ramsay E, **Kirkham C** Morris C and **Sherrington C**. Planning implementation and scale-up of physical activity interventions for people with walking difficulties: study protocol for the process evaluation of the ComeBACK trial. *Trials.* 2022;23(1).
171. Xie CX, **Chen Q**, Hincapié CA, Hofstetter L, **Maher C**, **Machado G**. Effectiveness of clinical dashboards as audit and feedback or clinical decision support tools on medication use and test ordering: a systematic review of randomized controlled trials. *Journal of the American Medical Informatics Association : JAMIA.* 2022;29(10):1773-85.
172. **Zadro JR**, Amorim AB, **Ferreira GE**, Hu X, Becerra RE, Reza BS, Khan S, **Moseley AM**. What makes a great clinical trial in physiotherapy? *Physiotherapy Theory and Practice.* 2022;38(10):1478-87.
173. **Zadro JR**, Elkins MR. Advice and education for spinal pain. *Journal of Physiotherapy.* 2022;68(2):86-8.
174. **Zadro JR**, **Ferreira GE**, **O'Keeffe M**, Stahl-Timmins W, Elkins MR, **Maher C**. How do people use and view infographics that summarise health and medical research? A cross-sectional survey. *BMC Medical Education.* 2022;22(1).
175. **Zadro J**, **Karunaratne S**, **Harris I**, **Jones CM**, **O'Keeffe M**, **Ferreira GE**, Buchbinder R, McCaffery K, Thompson R, **Maher C**, Hoffmann T. The impact of a patient decision aid on intention to undergo surgery for subacromial pain syndrome: An online randomised controlled trial. *Patient Education and Counseling.* 2022;105(9):2951-61.
176. **Zadro JR**, Lewin AM, **Kharel P**, Naylor J, **Maher C**, **Harris I**. Physical therapy utilization, costs, and return-to-work status following lumbar spine surgery: A retrospective analysis of workers compensation claims in Australia. *Brazilian Journal of Physical Therapy.* 2022;26(2).

177. **Zadro JR, Maher C.** Overview of the Drivers of Low-Value Care Comment on “Key Factors that Promote Low-Value Care: Views of Experts From the United States, Canada, and the Netherlands”. *International Journal of Health Policy and Management*. 2022;11(8):1595-8.
178. **Zadro JR, Needs C,** Foster NE, Martens D, **Coombs D, Machado G,** Adams C, **Han CS, Maher C.** Feasibility of delivering and evaluating stratified care integrated with telehealth (Rapid Stratified Telehealth') for patients with low back pain: Protocol for a feasibility and pilot randomised controlled trial. *BMJ Open*. 2022;12(1).
179. **Zadro JR, O’Keeffe M, Ferreira GE, Traeger A,** Gamble A, Page R, Herbert R, **Harris I, Maher C.** Diagnostic labels and advice for rotator cuff disease influence perceived need for shoulder surgery: An online-randomised experiment. *Journal of Physiotherapy*. 2022;68(4):269-76.
180. **Zadro JR.** Appraisal of Clinical Practice Guideline: Physical Therapy Management of Older Adults With Hip Fracture. *Journal of Physiotherapy*. 2022;68(4):282.

Commissioned and technical reports

1. **Sherrington C** et al. (2022) Australia and New Zealand Falls Prevention Society Report: “Why investing in falls prevention across Australia can’t wait” <https://www.anzfallsprevention.org/action-on-falls-prevention/>
2. Baillie A, Dennis S, Whiteford G, Flood V, **Kamper SJ** et al. The Value of Allied Health Research in Australia. A Position Statement from Professors of Allied Health embedded in Health Services. <https://australianalliedhealthprofessors.org.au/the-value-of-allied-health-research/>

Books

1. Lord SR, **Sherrington C**, Naganathan V (2022). Falls in Older People: Risk factors, Strategies for Prevention and implications for practice. Cambridge University Press (3rd edition)

Book Chapters

1. Lord SR, **Sherrington C**, Hicks C (2022). ‘Epidemiology of Falls and Fall-related Injuries’. In Lord. Sr, **Sherrington C.** & Naganathan V (3rd Eds.), *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*. Cambridge University Press.
2. **Tiedemann A** & Lord SR (2022). ‘Fall Risk Screening and Assessment’. In Lord. Sr, **Sherrington C.** & Naganathan V (3rd Eds.), *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*. Cambridge University Press.
3. Lord SR, **Sherrington C**, Naganathan V (2022). ‘The Relative Importance of Fall Risk Factors: Analysis and Summary’. In Lord. Sr, **Sherrington C.** & Naganathan V (3rd Eds.), *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*. Cambridge University Press.
4. **Tiedemann A**, **Hassett L**, **Sherrington C** (2022). ‘Strategies to Promote Uptake and Adherence to Fall Prevention Programmes’. In Lord. Sr, **Sherrington C.** & Naganathan V (3rd Eds.), *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*. Cambridge University Press.
5. Lord SR, **Sherrington C**, Naganathan V (2022). ‘Bringing It All Together’. In Lord. Sr, **Sherrington C.** & Naganathan V (3rd Eds.), *Falls in Older People: Risk factors, Strategies for Prevention and implications for practice*. Cambridge University Press.
6. **Traeger AC** (2022). Evidence about prognosis. In: Evidence-based Practice Across the Health Professions (4th ed). Hoffmann & Bennett & Del Mar.

Presentations

Throughout 2022, the Institute gave 109 presentations in total at national and international conferences.

National

1. **Camara GC.** 55th Australian Association of Gerontology Conference, Adelaide, November 2022. Yoga for falls prevention in people aged 60 years and over: the Successful AGEing (SAGE) yoga trial participants' impressions. Oral Presentation.
2. **Chen Q.** 12th Health Services Research Conference, December 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021
3. **Chen Q.** 5th Emergency Care Institute Research Symposium, October 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021
4. **Chen Q.** Australian Rheumatology Association Annual Scientific Meeting, May 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021.
5. **Chen Q.** Faculty of Medicine and Health Higher Degree Research Conference, July 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021
6. **Chen Q.** NHMRC Research Translation Symposium 2022. A meta-epidemiological study reveals that almost one in five physiotherapy trials excluded people due to lack of language proficiency. Oral Presentation.
7. **Chen Q.** NHMRC Research Translation Symposium 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021. Oral Presentation.
8. **Chen Q.** SLHD Allied Health Conference, July 2022, Sydney. Do randomised trials evaluating physiotherapy interventions for low back pain exclude participants based on language proficiency? A systematic review.
9. **Chen Q.** Sydney Spine Symposium, September 2022. Racial and ethnic differences in the management of low back pain: a systematic review and meta-analysis
10. **Costa N.** School of Health and Rehabilitation Science, 2022. Throwing in the deep end: athletes, coaches and support staff experiences, perceptions and beliefs of upper limb injuries and training load in elite women's water polo. Oral presentation.
11. **Costa N.** Sydney Musculoskeletal Annual Scientific Meeting, 2022. What hinders low back pain care in Australia and how to improve it? Oral presentation.
12. **Costa N.** The Australian Sociological Association, 2022. (Un)certainty in low back pain care – insights from a qualitative investigation. Oral presentation
13. **Costa N.** The Australian Sociological Association, 2022. How physiotherapists attend to the human aspects of care when working with people with low back pain: A thematic analysis. Oral presentation
14. **Dawson R.** 2022 Faculty of Medicine and Health Higher Degree Research Conference: TOP UP Study protocol and update. Oral presentation.
15. **Dawson R.** Australia Association of Gerontology National Conference 2022. 1) Qualitative Analysis of the TOP UP Study and 2) Intervention Component Analysis of Exercise Interventions in Residential Aged Care. Oral presentation.

16. **Dawson R.** SLHD Allied Health Conference 2022. Rapid Fire presentation – TOP UP Protocol. Oral presentation.
17. **Dawson R.** Western Health Research Network Symposium 2022. Qualitative Analysis of the TOP UP Study. Poster presentation.
18. **Ferreira GE.** Sydney Spinal Symposium 2022. Second opinions for spine surgery: a scoping review. Poster Presentation.
19. **Ferreira GE.** FMH Research Showcase 2022, Sydney. Grants from A to Z – Grant panel discussion. Invited speaker and panellist.
20. **Ferreira GE.** Sydney MSK Research Symposium 2022, Sydney. GP’s decision-making to prescribe analgesics for back pain: a qualitative study. Invited speaker.
21. **Ferreira GE.** Sydney Spinal Symposium 2022. A content analysis of online information about the benefits and harms of spine surgery. Oral Presentation.
22. **Gilchrist, H.** Australian Association of Gerontology National Conference 2022. The importance of the mind-body connection in physical activity for older people – findings from the SAGE yoga trial. Oral presentation.
23. **Gilchrist, H.** Australian Society of Physical Activity Conference 2022. Use of behaviour change techniques (BCTs) in physical activity programs and services for older adults: findings from a rapid review. Poster presentation.
24. **Hamilton M.** Australian Deprescribing Network (ADeN) Annual Meeting 2022. Opioid deprescribing: qualitative perspectives from those with chronic non-cancer pain. Poster presentation.
25. **Hamilton M.** Australian Rheumatology Association Annual Scientific Meeting 2022. Opioid deprescribing in patients with chronic non-cancer pain: A systematic review of international guidelines. Oral presentation.
26. **Hamilton M.** Faculty of Medicine and Health Higher Degree Research Conference 2022. Understanding influencing factors on general practitioners’ choices in prescribing analgesic medicines; a discrete choice experiment. Oral presentation.
27. **Han C.** Sydney Musculoskeletal Health Annual Scientific Meeting 2022. Low back pain of disc, sacroiliac joint, or facet joint origin: a diagnostic accuracy systematic review. Oral Presentation.
28. **Hassett L.** ACU Masters of Rehabilitation Program 2022. Physical activity for older adults and people living with disability. Invited speaker.
29. **Hassett L.** APA Thrive series, June 2022. Physical activity and disability- why, what and how? Presentation: Identifying the evidence-base for sport and physical recreation for adults with physical and intellectual disabilities: a systematic review. Invited symposium.
30. **Hassett L.** Invited presentation: Working with people after TBI: evidence update and management of behavioural impairments. APA Neurology group. (2022)
31. **Hassett L.** SLHD Research Methods series, October 2022. Implementation science. Invited presentation
32. **Haynes A.** Australian Association of Gerontology conference. Adelaide. 2022. Oral presentation.
33. **Kamper SJ.** Australian Pain Society Bonica Lecture, Hobart, Apr 2022. Pain, Health and Lifestyle. Invited speaker.
34. **Kamper SJ.** Chiropractic Australia Conference, Aug 2022. Pain, Health and Lifestyle. Invited keynote speaker.
35. **Kharel P.** Australian Society for Medical Research 2022 Annual Scientific Meeting. Can language enhance physiotherapists’ willingness to follow Choosing Wisely recommendations? A best-worst scaling study. Poster presentation.
36. **Kwok W.** NSW Falls Presentation Network 2022, Sydney, Australia. Understanding physical activity and falls in Australian women. Oral presentation.

37. **Maher C.** The Global Burden of Disease Study: is it the world or the study that is unwell?. Wiser Healthcare Annual Scientific Meeting
38. **Maher C.** Paracetamol: trusted pain reliever?. Wiser Healthcare Annual Scientific Meeting.
39. **Maher C.** ANZMUSC Clinical Trials Network 2022 Annual Scientific Meeting 26th-27th October 2022. Session Chair
40. **Maher C.** Sydney Spinal Symposium 2022. Session Chair.
41. **Mathieson S.** Australian Pain Society 42nd Annual Scientific Meeting, Hobart, Australia. Content and sentiment analysis of gabapentinoid-related tweets: an infodemiology study. 2022. Poster presentation.
42. **Mathieson S.** CA Researcher's Day, August 2022. Creating impact research and developing your impact case. Keynote presentation.
43. **Mathieson S.** National Medicines Symposium, May 2022. Content and sentiment analysis of gabapentinoid-related tweets: an infodemiology study. Oral presentation.
44. **Mathieson S.** *Spinal Symposium 2022, Sydney, Australia.* What proportion of patients with chronic low back pain are prescribed versus use an opioid medicine? Systematic review and meta-regression of observational studies. Oral presentation.
45. **McLennan C.** Royal Prince Alfred Hospital Links Education Series 2022. Understanding and preventing falls in hospitals. Oral presentation, Invited Speaker.
46. **McLennan C.** SLHD Allied Health Research Showcase 2022. Adapting a falls prevention program to the acute hospital setting. Oral presentation.
47. **McLennan C.** SLHD Innovation Symposium Pitch Competition 2022. The pain of falling is the same in any language. Oral Presentation.
48. **McLennan C.** Sydney Health Partners Musculoskeletal Clinical Academic Group Launch 2022. Understanding and preventing falls in hospitals. Oral Presentation, Invited Speaker.
49. **Melman A.** 5th Emergency Care Institute Research Symposium 2022 Sydney, Australia. Implementation of a virtual hospital model of care for low back pain: protocol for a hybrid type I pilot study. Oral presentation.
50. **Melman A.** 5th Emergency Care Institute Research Symposium 2022 Sydney, Australia. Management of patients with low back pain admitted to hospital: an observational study of usual care. Oral presentation.
51. **Melman A.** Australian Pain Society 42nd Annual Scientific Meeting 2022, Hobart, Australia. Medical record review of admitted patients with low back pain. Oral and Poster presentation.
52. **Melman A.** Faculty of Medicine and Health HDR Conference, 2022. Management of patients with low back pain admitted to hospital: an observational study of usual care. Poster presentation.
53. **Melman A.** Sydney Local Health District Allied Health Conference 2022, Sydney, Australia. Patients with low back pain admitted to hospital - an analysis of diagnoses, investigations, and clinical care to inform development of new models of care. Oral presentation.
54. **Pearce L.** Annual Rehabilitation Network Education Forum 2022. Agency for Clinical Innovation. Poster presentation.
55. **Pearce L.** Digital Health Week 2022. Digital Health and Informatics Network, The University of Sydney. Poster presentation.
56. **Pearce L.** Sydney MSK Annual Scientific Meeting 2022. Oral presentation.
57. **Sharma S.** Annual Stillbirth Forum 2022, Australia. Skills Training and Education to Prevent Stillbirth (The STEPS Program): A feasibility study of an integrated health literacy and stillbirth prevention program for culturally and linguistically diverse pregnant women. Invited speaker.

58. **Sharma S.** FMH Early Mid-Career Research Network Showcase 2022, Sydney. Interventions to prevent stillbirth among pregnant women from refugee, migrant and culturally and linguistically diverse backgrounds living in high-income countries: a systematic review. Poster Presentation.
59. **Sharma S.** Sydney Local Health District Allied Health Research Conference, July 2022, Concord Hospital, Sydney. Effect of a waiting room communication strategy on imaging rates and awareness of public health messages for low back pain in the emergency department. Oral Presentation
60. **Sharma S.** Sydney Msk Annual Scientific Meeting 2022, Sydney. Effect of COVID-19 on management of patients with low back pain in the emergency department. Oral Presentation.
61. **Sharma S.** Westmead Research & Innovation Conference 2022, Westmead Hospital, Sydney. Effect of a waiting room communication strategy on imaging rates and awareness of public health messages for low back pain in the emergency department. Poster Presentation.
62. **Teng MJ.** Sydney Local Health District Allied Health Research Conference, Sydney, 2022. Providing better access and care through a virtual fracture clinic. Oral presentation.
63. **Teng, MJ.** Sydney Local Health District Allied Health Research Conference, Sydney, 2022. NSW allied health clinicians' perspectives about allied health data collection and reporting for activity-based funding. Oral presentation.
64. **Tiedemann A.** Australian Association of Gerontology conference, Adelaide, 2022. Oral presentation.
65. **Traeger A.** Australian Pain Society Annual Scientific Meeting, April 2022. Overdiagnosis of low back pain. Invited speaker, Plenary talk.
66. **Traeger A.** Australian Pain Society Annual Scientific Meeting, April 2022. How (and how well) does pain-related education work? Balancing pragmatism with the rigour of sham. Workshop facilitation and presenter.
67. **Traeger A.** Australian Pain Society Annual Scientific Meeting, April 2022. Effect of a waiting room communication strategy on imaging rates and awareness of public health messages for low back pain. Oral presentation.
68. **Traeger A.** EMCR Showcase Grants Discussion Panel. "Achieving grant success in early career research. 8 December. Invited speaker.
69. **Traeger A.** Emergency Care Institute Research Symposium, 2022. NUDG-ED: NHMRC-funded trial of behavioural 'nudging' interventions to reduce low value care for low back pain in the Emergency Department. Oral presentation.
70. **Traeger A.** The University of Queensland. Pain education session. April 2022 Invited speaker, lecture.
71. **Traeger A.** UTS Physiotherapy Planning Day, Nov 2022. Research Success in the Early Career Stage. Invited speaker.
72. **Traeger, A.** Australian Pain Society 42nd Annual National Scientific Meeting. Overdiagnosis of low back pain. Invited speaker, Plenary talk.
73. **Traeger, A.** University of Technology Sydney. Intro to PEDro workshop, 2022. Invited speaker.
74. **Vella S.** Chiropractic Australia Researchers' Day 2022 . Sydney, Australia. Paramedic management of back pain: a scoping review. Oral presentation.
75. **Vella S.** Sydney Local Health District Allied Health Research Conference. Sydney, Australia. Paramedic management of back pain: a scoping review. Podium: Oral presentation.
76. **Vella S,** Chen Q, Simpson P, Swain M, Maher CG, Machado GC. Paramedic management of back pain: a scoping review. In. 21st International Conference on Emergency Medicine. Melbourne, Australia (14-19 June 2022). (Poster).

77. **West CA.** 55th Australian Association of Gerontology Conference 2022. Oral presentation and online poster.
78. **West CA.** Sydney MSK Annual Scientific Meeting 2022. Oral presentation.

International

1. **Chen Q.** 2022 International Conference on Emergency Medicine, June 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021.
2. **Chen Q.** Wiser Healthcare National Meeting, September 2022. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021.
3. **Kwok W.** Safety Conference 2022, Adelaide. Falls and physical activity in older Australian women from two different generations. Oral presentation.
4. **Kwok W.** Fragility Fracture Network Global Congress 2022, Melbourne, Australia. Exercise interventions for falls prevention in aged care: trial endpoint meta-analyses. Oral Presentation.
5. **Kwok W.** International Society Physical Activity and Health 2022, Abu Dhabi. Exploring the relationship between physical activity and falls in Australian women. Oral presentation.
6. **Kwok W.** World Congress of Gerontology and Geriatrics 2022, Virtual. Associations between different amounts and types of physical activity (PA) and injurious falls in older Australian women. Poster presentation.
7. **Kwok W.** World Congress of Gerontology and Geriatrics 2022, Virtual. Are there any differences in falls, physical activity (PA) and the associations between PA and falls in older women from two different generations? Poster presentation.
8. **Kwok W.** World Physiotherapy Asia Western Pacific Congress 2022. Use of behaviour change techniques (BCTs) in exercise interventions targeting fall prevention in community-dwelling adults aged 60+: a secondary analysis of a systematic review. Oral presentation.
9. **Vella S.** CARLoquium (virtual). 1-3rd March, Australia. 2022. The relationship between induced leg length inequality and pelvis orientation: a pre and post measurement study. Poster presentation.
10. **Vella S.** 21st International Conference on Emergency Medicine 2022, Melbourne, Australia. Paramedic management of back pain: a scoping review. Poster presentation.
11. **Vella S.** Paramedic management of back pain: a scoping review. In. Australasian College of Paramedicine International Conference. 15/16th Sep, Brisbane, Australia (2022). (Poster)
12. **Sharma S.** 12th Congress of the European Pain Federation: Pain in Europe XII 2022, Ireland. “I would not go to him”: Focus groups exploring community responses to a public health campaign aimed at reducing unnecessary diagnostic imaging of low back pain”. Invited speaker.
13. **Sharma S.** Preventing Overdiagnosis Conference 2022, Canada. Effect of a waiting room communication strategy on imaging rates and awareness of public health messages for low back pain in the emergency department. Oral Presentation.
14. **Ferreira GE.** ANZMUSC Annual Scientific Meeting 2022. GPs' decision-making process to prescribe treatments for low back pain: a qualitative study. Oral Presentation, Invited speaker.
15. **Gilchrist, H.** International Society for Physical Activity and Health (ISPAH) Congress 2022, Dubai, UAE. Use of behaviour change techniques (BCTs) in physical activity programs and services for older adults. Oral presentation.

16. **Gilchrist, H.** International Society for Physical Activity and Health (ISPAH) Congress 2022. Dubai, UAE. Understanding older people's engagement with online yoga classes: What works for whom and why? Poster presentation.
17. **Gilchrist, H.** International Society on Behavioural Nutrition and Physical Activity Conference 2022, Phoenix, Arizona. Use of behaviour change techniques (BCTs) in physical activity programs and services for older adults. Poster presentation.
18. **Hassett L.** Interdisciplinary TBI Grant Rounds, January 2022. National Intrepid Center of Excellence Walter Reed Bethesda, USA. Cardiorespiratory deconditioning and the effectiveness of fitness training for people after traumatic brain injury. Invited speaker.
19. **Hassett L.** Rehabilitation Medicine Society of Australia and New Zealand (RMSANZ) Conference 2022. From injury to long-term physical activity for people living with traumatic brain injury: development of Australian physical activity clinical practice guidelines as part of MRFF TBI mission. Oral presentation.
20. **Hassett L.** Rehabilitation Medicine Society of Australia and New Zealand (RMSANZ) Conference 2022. Economic evaluation of digitally enabled aged and neurological rehabilitation care in the Activity and MObility UsiNg Technology (AMOUNT) trial. Oral presentation.
21. **Hassett L.** 9th International Society for Physical Activity and Health (ISPAH) Congress 2022, UAE. Framework to classify physical activity intervention studies for older adults. Oral presentation.
22. **Costa N.** ANZMSK Clinical Trials Network Scientific Meeting, 2022. What hinders low back pain care in Australia and how to improve it? Invited speaker.
23. **Costa N.** International Back and Neck Pain Forum 2022. Implementation initiatives to improve low back pain (LBP) care in Australia: a scoping review. Oral presentation.
24. **Costa N.** International Society for Physical Activity and Health Conference, 2022. Physical activity interventions for older adults aged 60+ years in low- and middle-income countries: a scoping review. Oral presentation.
25. **Costa N.** International Society for Physical Activity and Health Conference 2022. Economic evaluation of physical activity mass media campaigns across the globe: a systematic review. Oral presentation.
26. **Teng MJ.** Wiser Healthcare Session 2022, Australia. Virtual fracture clinic care vs. in-person care for people with simple fractures: a non-inferiority randomised trial. Invited speaker.
27. **Pearce L.** World Congress for Neuro-rehabilitation 2022. Poster presentation.
28. **West CA.** 2nd Asia-Pacific Society for Physical Activity Conference 2022. Oral presentation.
29. **Melman A.** Wiser Healthcare Session 2022, Australia. What is typical clinical care for people admitted to hospital with acute low back pain? Invited Speaker.
30. **Melman A.** 21st International Conference on Emergency Medicine 2022, Melbourne, Australia. Many people admitted to hospital with a provisional diagnosis of nonserious back pain are subsequently found to have serious pathology as the underlying cause. Poster presentation.
31. **Tiedemann A.** International Society of Physical Activity for Health 2022. Abu Dhabi. Oral presentation.
32. **Tiedemann A.** Safety 2022, Adelaide. Oral presentation.
33. **Hamilton M.** Wiser Healthcare Session 2022, Australia. Opioid deprescribing in patients with chronic non-cancer pain: A systematic review of international guidelines. Invited speaker.
34. **Maher CM.** ANZMUSC Clinical Trials Network 2022 Annual Scientific Meeting. Session Chair.
35. **Maher CM.** Wiser Healthcare Session 2022. GBD talk. Invited Speaker.
36. **Maher CM.** Wiser Healthcare Session 2022. Paracetamol talk. Invited Speaker.
37. **Kamper SJ.** Hannover Mental Health Summit, Oct 2022. Embedding research in the insurance industry. Presentation.

38. **Kamper SJ.** European Society for Shoulder and Elbow Research International Research Event, London, June 2022. How to interpret research. Oral presentation.
39. **Traeger A.** ANZMUSC Annual Scientific Meeting, October 2022. Writing track record and your research impact (ECF Committee-hosted Workshop). Oral presentation.
40. **Traeger A.** ANZMUSC Annual Scientific Meeting, Melbourne, October 2022. NUDG-ED: NHMRC-funded trial of behavioural 'nudging' interventions to reduce low value care for low back pain in the Emergency Department. Oral presentation.

Media

In 2022, research produced by the Institute generated 558 news stories worldwide. Below is a sample of audio-visual media. This list consists of invited interviews, radio presentations, podcasts and television appearances related to research activities in 2022.

1. **Costa N.** A peek behind the study with Marguerite King. BMJ Open. 2022.
2. **Costa N.** Navigating Uncertainty with Dr Nathalia Costa. Words Matter Podcast with Oliver Thomson. Episode 68. 2022.
3. **Kamper SJ.** Growing Pains; a misnomer? Junkee Media Jul 2022.
4. **Kamper SJ.** Le Pub Scientifique. Sep 2022. Evidence in Practice and Pain. Online interview. <https://lepubscientifique.podbean.com/e/episode-13-professor-steve-kamper-evidence-in-practice-and-pain/>
5. **Kamper SJ.** Sports Medicine Australia. 2022. An hour with Steve Kamper, Engaging clinicians with research. Online webinar-interview. <https://sma.org.au/event/an-hour-with-professor-steve-kamper-engaging-with-research/>
6. **Lin CW.** Opioids no stronger than placebo in ED pain management, says new research. ABC Radio Sydney. <https://www.abc.net.au/sydney/programs/mornings/clin/101547254>
7. **Melman A.** Virtual Hospitals. Inmotion Magazine, Australian Physiotherapy Association. 2022.
8. **O’Keefe M.** Growing pains in adolescents. ABC Drive (Radio)
9. **O’Keefe M.** Growing Pains; a misnomer? ABC Sydney Afternoon (Radio)
10. **Ramsay B.** The COMEBACK trial. ABC Radio Sydney.
11. **Sherrington C.** How can we prevent older Australians from fall-related injuries? Prevention Works podcast. 18 July 2022. <https://preventioncentre.org.au/resources/how-can-we-prevent-older-australians-from-fall-related-injuries/>
12. **Sherrington C.** How can we prevent older Australians from fall-related injuries? ABC National Radio. November 2022. <https://www.abc.net.au/radionational/programs/breakfast/falling-costs-over-2-billion-per-year/101691692>
13. **Sherrington C.** The Drum, ABC. 24 November 2022.
14. **Sherrington C.** How can we prevent older Australians from fall-related injuries? ABC Radio Canberra. November 2022.
15. **Sherrington C.** How can we prevent older Australians from fall-related injuries? Sydney Morning Herald article by Jenna Price. November 2022
- 16.
17. **Tiedemann A.** Preventing falls in older age, ABC radio Queensland Drive program. <https://www.abc.net.au/radio/programs/north-ql-d-drive/drive/13901694>
18. **Tiedemann A.** Preventing falls in older age, ABC radio South East South Australia program.
19. **Tiedemann A.** Sydney Morning Herald (March 12, 2022). She turned up for a lesson on her kid’s old bike. Now, she’s riding 1200km.
20. **Tiedemann A.** Sydney Morning Herald (March 8, 2022). Yes, real difference can be made to your heart and health in middle age.
21. **Traeger A.** ABC 702 Radio Sydney October 2022 – spinal cord stimulators. <https://www.abc.net.au/sydney/programs/breakfast/breakfast/14090748>
22. **Traeger A.** Podcasts <https://podcasts.apple.com/no/podcast/47-pain-science-paper-that-shook-industry-adrian-traeger/id1411523396?i=1000516354361&l=nb>
23. **Abdel Shaheed C.** The unintended impacts of common pain and fever medications on auto-immune response. ABC Radio Sydney.

Research Team

Our IMH team of 51 includes 6 Professors, 2 Associate Professors, 15 post-doctoral researchers, 3 senior clinicians and 25 professional staff. IMH hosts 26 higher degree research candidates from a range of health disciplines with 6 PhD graduations in 2022.

Professors

1. Prof Anne Tiedemann, Principal Research Fellow (Professor)
2. Prof Cathie Sherrington, Deputy Director (Professor)
3. Prof Chris Maher, Director (Professor)
4. Prof Christine Lin, Principal Research Fellow (Professor)
5. Prof Ian Harris, Surgery research theme leader (Professor)
6. Prof Jane Latimer, Emerita Professor

Associate Professors

7. A/Prof Anne Moseley, Principal Research Fellow (Associate Professor)
8. A/Prof Leanne Hassett, Senior Research Fellow (Associate Professor)

Post-doctoral Researchers

9. Dr Abby Haynes, Research Fellow
10. Dr Adrian Traeger, Post-doctoral Fellow
11. Dr Christina Abdel Shaheed, Post-doctoral Fellow
12. Dr Giovanni Ferreira, Post-doctoral Fellow
13. Dr Gustavo Machado, Post-doctoral Fellow
14. Dr Heidi Gilchrist, Post-doctoral Research Associate
15. Dr Jennifer Baldwin, Post-doctoral Research Associate
16. Dr Joshua Zadro, Post-doctoral Fellow
17. Dr Juliana Souza de Oliveira, Post-doctoral Fellow
18. Dr Marina Pinheiro, Post-doctoral Fellow
19. Dr Nathalia Cordeiro Da Costa, Research Fellow
20. Dr Nicola Fairhall, Post-doctoral Researcher (Casual)
21. Dr Stephanie Mathieson, Post-doctoral Fellow
22. Dr Stephen Gilbert, Post-doctoral Fellow
23. Dr Sweekriti Sharma, Post-doctoral Fellow

Senior Clinicians

24. Dr Bethan Richards, Deputy Director
25. Dr Chris Needs, Staff Specialist Rheumatologist
26. A/Prof Neil McGill, Visiting Medical Officer (Clinical Associate Professor)

Professional Staff

27. Alexandra Edmondson, Network Manager
28. Dr Alexandra Griffin, Research Assistant (Casual)
29. Belinda Ying Wang, Research Assistant
30. Betty Ramsay, Research Physiotherapist
31. Bruna de Souza Albuquerque, Research Assistant
32. Catherine Kirkham, Research Physiotherapist
33. Charlotte McLennan, Research Manager
34. Claire Coulter, Kitchen Attendant
35. Courtney West, Research Assistant
36. Eleni Grace-Black, Administration Officer
37. Geraldine Wallbank, PEDro Research Coordinator
38. Giane Caon Camara, Research Assistant
39. Hanan McLachlan, Institute Operational Manager
40. Kate Purcell, Research Coordinator
41. Louise Pearce (Research Assistant)
42. Melanie Hamilton, Research Support Assistant
43. Melissa Webb, Research Coordinator
44. Roslyn Savage, Research Physiotherapist
45. Sakina Chagpar, Research Physiotherapist
46. Sandra O'Rourke, Senior Research Officer
47. Shannon Colley, Research Assistant (Casual)
48. Vanessa Nguy, Research Assistant
49. Dr Veethika Nayak, Falls Research Manager
50. Venisa (Wing) Kwok, Research Assistant
51. Vishwesh Bapat, Research Assistant (Casual)

Higher Degree Students

27 PhD & Masters students supervised by IMH researchers

1. Alla Melman (physiotherapist, private practitioner)
2. Amanda Bates (health promotion officer, Illawarra Shoalhaven LHD employee)
3. Bayden McKenzie (chiropractor, private practice)
4. Catherine Cho (rheumatology advanced trainee, Sydney LHD employee)
5. Charlotte McLennan (physiotherapist, Sydney LHD employee)
6. Chris Han (physiotherapist, private practice)
7. Gemma Altinger (public health, University of Sydney)
8. Geraldine Wallbank (physiotherapist, University of Sydney)
9. Ima Strkljevic (physiotherapist, private practitioner)
10. Kerry West (physiotherapist, Sydney Children's Hospitals Network employee)
11. Laura Montgomery (chiropractor, private practitioner)
12. Louise Pearce (physiotherapist, Royal Rehab employee)
13. Min Jiat Teng (physiotherapist, Sydney LHD employee)
14. Melanie Hamilton (public health, University of Sydney)
15. Nisha Aravind (physiotherapist, South East Sydney LHD employee)
16. Priti Kharel (public health, University of Sydney)
17. Qiuzhe Chen (physiotherapist, Sydney LHD employee and private practice)

18. Reem Rendell (physiotherapist, South Western Sydney LHD employee)
19. Rik Dawson (physiotherapist, private practitioner)
20. Sarah Manewell (podiatrist, Sydney LHD employee)
21. Sascha Karunaratne (physiotherapist, SLHD employee)
22. Simon Vella (chiropractor, private practice)
23. Siobhan Wong (physiotherapist, NSW Agency for Clinical Innovation employee)
24. Siya Zhao (physiotherapist, private practitioner)
25. Vanessa Nguy (exercise physiologist, private practitioner)
26. Venisa (Wing) Kwok (physiotherapist, private practitioner)
27. Zhiwei Yang (physiotherapist, private practitioner)

Higher Degree Completions

1. Danielle Coombs (PhD, The University of Sydney)
2. Caitlin Jones (PhD, The University of Sydney)
3. Angela Vratsistas (PhD, The University of Sydney)
4. Chang Liu (PhD, University of Sydney)
5. Aili Langford (PhD, University of Sydney)
6. Daniel Treacy (PhD, The University of Sydney)

Visiting Researchers

Students and research who are based at the Institute from other academic organisations

1. Pien Alferink (Doctoral Program, University of Groningen, the Netherlands)
2. Mariana Leite (Masters and Doctoral Programs in Physical Therapy, Universidade Cidade de São Paulo, Brazil)
3. Masoud Jamshidi (Post-doctoral Fellow, University of Tehran, Iran)

Events

This section highlights events and podcasts hosted by the Institute in 2022 and events by other organisations in which IMH staff played leading roles. Many of the events were held in a hybrid format to facilitate attendance. These events included interstate and international speakers and were well attended by internal and external researchers, clinicians, and members of the public.

1. Australia & New Zealand Musculoskeletal Clinical Trials Network Meeting for 2022
2. Prevention of Falls Injuries Centre of Research Excellence Seminars
3. Sydney Health Partners Musculoskeletal Clinical Academic Group Launch 2022
4. Scaling up Physical Activity for Older Adults, Webinar hosted in conjunction with the World Health Organization and the International Society for Physical Activity and Health October 2022
5. IMH Planning Day 2022
6. Faculty Medicine and Health HDR Conference 2022
7. Sydney Musculoskeletal Health Annual Scientific Meeting 2022
8. 2022 Early and Mid-Career Researcher Networks Showcase
9. IMH Chats Podcast: Episode 9 with Associate Professor Tasha Stanton
10. IMH Chats Podcast: Episode 10 with Rik Dawson
11. IMH Chats Podcast: Episode 11 with Professor Steve Kamper
12. IMH Chats Podcast: Episode 12 with Dr Adrian Traegar
13. IMH Chats Podcast: Episode 13 with Professor Anne Tiedemann
14. IMH Chats Podcast: Episode 14 with Professor Ian Harris
15. IMH Chats Podcast: Episode 15 with Dr Heidi Gilchrist

Trials

Ethics applications

18 ethics applications were submitted in 2022, please find details of the applications below.

1. **A Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 3 Study to Evaluate the Efficacy and Safety of BIIB059 in Adult Participants with Active Systemic Lupus Erythematosus Receiving Background Non-Biologic Lupus Standard of Care.** Youssef P, Parker, M. Sydney Local Health District Ethics.
2. **A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Safety and Efficacy of ABBV-154 in Subjects with Polymyalgia Rheumatica (PMR) Dependent on Glucocorticoid Treatment.** Simpson G, Hodgkinson A, Rendell R, Bogdanovych A, Lui G, Hassett L, Pilli K, Trescak T. Sydney Local Health District Ethics.
3. **COMFORT: Clinical Observation, Management, and Function Of low back pain Relief Therapies Trial.** Institute for Musculoskeletal Health, Sydney Local Health District and The University of Sydney. **Abdel Shaheed C, Maher CM,** McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R. Sydney Local Health District and The University of Sydney Ethics.
4. **Doctors decision-making process to recommend or prescribe pharmacological treatments for low back pain: a qualitative study.** Ferreira G, Zadro J, Abdel Shaheed C, Jones C, Lin C, Maher CM, Richards B, Needs C. Sydney Local Health District Ethics.
5. **Evaluation of the Safe Exercise at Home Website.** Said C, Sherrington C, Hill K, Callisaya M, Batchelor F, Hill A-M, Dawson R, Mackintosh S, Fu S, West C, Hibbert E, Huzzey F. 2022-2023. Office of Research Ethics and Integrity, University of Melbourne.
6. **Implementation of a quality improvement-based Falls Prevention Strategy in an acute inpatient hospital setting: a feasibility study.** Sherrington C, McLennan C, Hallahan A, Heppleston E, Tilden W, McVeigh T, Richards B, Naganathan V, Latt M, Haynes A, Biswas R. Sydney Local Health District Ethics.
7. **Increasing Health Service Referral to Exercise and Sport: a Trial of Health Professional Education (Simplified title: Professional Referral to Physical Activity, Sport and Exercise-PROPOSE).** Sherrington C, West K, Hasset L, Tiedemann A, Baur L, Purcell K, Geerts M, Hayne A. Sydney Local Health District Ethics modification.
8. **Is dance exercise in disguise? An impact evaluation of the RIPE dance program targeting fall prevention and wellbeing in people aged 60 plus.** Gilchrist H, Tiedemann A, Sherrington C, Haynes C, De Oliveira JS and Merom D. University of Sydney Ethics Committee.
9. **Perceptions and experiences of paramedics managing and patients receiving care for low back pain: a qualitative study.** Machado G; Copp T; Maher CM; Pickles K; Vella S. The University of Sydney Human Research Ethics Committee.
10. **Rehabilitation technology: A mixed methods study of clinicians' uptake, experiences and perceptions** Louise Pearce, Julie Pryor, Cathie Sherrington, Leanne Hassett.
11. **ComeBACK Trial (Coaching and Exercise for Better Walking).** Sherrington C, Hinman R, Crotty M, Hoffmann T, Harvey L, Taylor N, Hassett L, Tiedemann A, Richards B, Greaves C, Jennings M, Treacy D. . North Sydney Local Health District Ethics & South West Sydney Local Health District Ethics.
12. **Volunteering of professional skills among Australian physiotherapists: a survey.** Strkljevic I, De Oliveira JS, Haynes A, Tiedemann Sherrington C. University of Sydney Ethics.

13. **The Australasian Myositis Registry.** Parker M. Sydney Local Health District Ethics.
14. **The TOP UP Study (A physiotherapy led telehealth and exercise intervention to improve mobility in older people receiving aged care services: an effectiveness and implementation randomised controlled trial).** Sherrington C, Hinman R, Crotty M, Hoffmann T, Harvey L, Taylor N, Hassett L, Tiedemann A, Richards B, Greaves C, Jennings M, Treacy D. Sherrington C, Pineiro M, Neura MT, Naganathan V, Hayne A, Oliveria J. SLHD Ethics modification.
15. **What is important to clinicians about digital devices in rehabilitation? A cross-cultural best-worst scaling study.** Louise Pearce, Cathie Sherrington, Kirsten Howard, Jose Eduardo Pompeu, Tie Parma Yamato, Jessica Maria Ribeiro Bacha, Leanne Hassett. University of Sydney Ethics.
16. **The BRain Injury: Developing Guidelines for physical activitiES (BRIDGES) project.** Hassett L, Williams G, Sherrington C, Tweedy S, Wolfenden L, Crotty M, Howard K, Haynes A, Bauman A, Simpson G, Scheinberg A, Tiedemann A, Vassallo G, Rushworth N.. University of Sydney Ethics Committee & South West Sydney Local Health District Ethics Committee.
17. **The Brief Physical Activity Counselling by Physiotherapists (BEHAVIOUR) study.** Hassett L, Jennings M, Brady B, Pinheiro M, Haynes A, Pearce A, Howard K, Sidhu B, Christie L, Dennis S, Greaves C, Sherrington C. Braeside Hospital Ethics Committee.
18. **Adapting a successful program targeting falls reduction in the rehabilitation setting, to the acute hospital environment.** McLennan C, Sherrington C, Tilden W, Latt M, Fairbrother G, Naganathan V, Hepworth A, Ling F. SLHD Ethics.

Active research studies

There were 37 active research studies in 2022.

1. **Are there any differences in falls, physical activity participation and the association between physical activity and falls in Australian older women between the two different generations?** Kwok W, Dolja-Gore X, Khalatbari-Soltani S, Oliveira J, Pinheiro M, Byles J, Sherrington C. April 2021 - November 2022.
2. **Barriers and enablers to virtual hospital care for low back pain - a qualitative study.** Melman A, Machado G, Maher CM, Coombs D, Dodd R. Sydney Local Health District Ethics. 2021 – October 2022.
3. **Can a patient decision aid reduce peoples intentions to undergo subacromial decompression surgery or rotator cuff repair surgery for their shoulder pain?.** Zadro J, Ferreira G, Maher CM, McCaffery K, O'Keefe M, Thompson R, Buchbinder R, Harris I, Hoffmann T, Karunaratne S, OConnor D, Peng S. Nov 2021 - June 2022. University of Sydney Ethics.
4. **Centre of Research Excellence in the Prevention of Fall-related Injuries (CRE-PFI).** Sherrington C, Lord S, Crotty M, Haines T, Byles J, Seibel M, Cameron I, Close J, Howard K, Bauman A. 2020 – 2025.
5. **ComeBACK Trial (Coaching and Exercise for Better Walking).** Sherrington C, Hinman R, Crotty M, Hoffmann T, Harvey L, Taylor N, Hassett L, Tiedemann A, Richards B, Greaves C, Jennings M, Treacy D. 2018 – 2023.
6. **COVID-19 social restrictions: impact on quality of life, mental and social wellbeing, and physical activity in people aged 70 years.** Tiedemann A, Oliveira J, Sherrington C, Haynes A and Gilchrist H. November 2020 – September 2022.

7. **Cross-sectional and prospective associations between different types of leisure physical activity and injurious falls in Australian older women.** Kwok W, Dolja-Gore X, Khalatbari-Soltani S, Oliveira J, Pinheiro M, Byles J, Naganathan V, Sherrington C. April 2021 - Sep 2022.
8. **Development of a checklist to improve how infographics report the findings of comparative studies of health and medical interventions.** Zadro J, Ferreira G, Maher CM, McCaffery K, Harris I, Elkins MR, Hoffmann T. Jan 2022 - Dec 2022. University of Sydney Ethics.
9. **Effects of diagnostic labels for rotator cuff disease and advice on peoples perceived need for shoulder surgery: An online-randomised controlled study.** Zadro J, Ferreira G, Maher CM, Traeger AC, Harris I. Jan 2022 - July 2022. University of Sydney Ethics.
10. **FORTRESS (Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings).** Kurrle S, Crotty M, Cameron ID, Sherrington C, Pond D, Nguyen TA, Laver, K Howard K. 2020- 2023
11. **How effectively do physiotherapists search PEDro? A pilot observational study.** Zadro J and Elkins M. 2022-2023. University of Sydney Ethics.
12. **Implementing a digitally enabled environment to enhance rehabilitation: a hybrid type II feasibility randomised controlled trial.** Hassett L, Treacy D, Aravind N, Chagpar S, Sherrington C, Harvey L, Glinsky J. Aug 2020-Dec 2022.
13. **Implementing Back@Home, a virtual hospital model of care for back pain.** Alla Melman A, Coombs D, Li Q, Billot L, Richards B, Marabani M, Anandacoomarasamy A, Hutchings O, Jiat Teng M, McCaffery K, Harris I, Buchbinder R, Maher CM, Machado G. 2022
14. **Improving mobility after traumatic brain injury using ballistic strength training.** Williams G, Ada L, Hassett L, Morris M, Clark R, Bryant A, Olver J. June 2017-Dec 2022.
15. **Increasing Health Service Referral to Exercise and Sport: a Trial of Health Professional Education (Simplified title: Professional Referral to Physical Activity, Sport and Exercise- PROPOSE).** Sherrington, Purcell et al.
16. **Insights into the experience of pain in people with Parkinsons disease: a mixed methods study.** Allen N, Brady B, Canning C, Elliott J, Hassett L, Nguy V. April 2021 – December 2022.
17. **Junior Medical Officer (JMO) wellbeing during the COVID-19 Pandemic.** Richards B and Fong G. October 2020 – 2023.
18. **Leisure-time physical activity preferences for Australians living with moderate-to-severe traumatic brain injury: a formative qualitative study to inform development of a Discrete Choice Experiment.** Hassett L, Haynes A, Howard K, Sherrington C, Williams G, Tweedy S, Clanchy K, Scheinberg A, Taylor J. March-July 2022.
19. **Medicines for compensated Australian workers with low back pain and other musculoskeletal disorders.** Collie A, Xia T, Mathieson S, Gilbert S, Abdel Shaheed C, Maher CM. Monash Ethics.
20. **Neural management plus advice to stay active on clinical measures and sciatic neurodynamic for patients with chronic sciatica: study protocol for a controlled randomised clinical trial.** Corrêa L, Bittencourt J, Pagnez M, Mathieson S, Saragiotto B, Telles G, Meziat-Filho N, Nogueira L. 2021- 2023. Research Ethics Committee of Augusto Motta University Centre
21. **OASIS study (a randomised, placebo-controlled trial of oral glucocorticoids for leg pain in patients with acute sciatica).** Liu C, Abdel Shaheed C, McLachlan A, Latimer J, Li Q, Buchbinder R, Day R, Maher CM, Richards B, Needs C, Dinh M, Ferreira G, Lin CW. 2021 – 2024. SLHD Ethics.
22. **Patient and health professional views on information conveyed when considering Achilles tendon surgery.** Zadro J, Gan JFL, McLennan C, Harris I, McCaffery K, McKay M, Hoffmann T, Maher CM, Thompson R, Adie S, Jones C. Jan 2022 - July 2022. SLHD Ethics (RPAH Zone).
23. **Piloting the efficacy of gamification on outcomes from physical therapy after traumatic brain injury: A single case experimental design case series.** Simpson G, Hodgkinson A, Rendell R, Bogdanovych A, Lui G, Hassett L, Pilli K, Trescak T. Jan-Dec 2022.

24. **Preventing falls in older Aboriginal people: the Ironbark trial.** Ivers R, Sherrington C, Clapham K, Mackean T, Keay L, Clemson L, Tiedemann A, et al. 2018 – 2022.
25. **SLHD MDOK Wellbeing Database.** Richards B, Gibson L and Fong G. November 2021 – ongoing.
26. **Successful AGEing (SAGE) yoga trial.** Tiedemann A, Oliveira J, Sherrington C, Lord S, Sesto R, Camara G, Grunseit A, Bauman A, Anstey K, Shepherd R, Haynes A, Gilchrist H. October 2019 – November 2022
27. **The Brief Physical Activity Counselling by Physiotherapists (BEHAVIOUR) study.** Hassett L, Jennings M, Brady B, Pinheiro M, Haynes A, Pearce A, Howard K, Sidhu B, Christie L, Dennis S, Greaves C, Sherrington C. Feb 2021- Dec 2022.
28. **The feasibility of delivering and evaluating stratified care integrated with eHealth ('Rapid Virtual Stratified Care') for patients with low back pain: a randomised controlled trial.** Zadro J, Needs C, Maher CM, Martens D, Coombs D, Machado G, Adams CL, Foster N, Han C, McLennan C, Chen Q. Feb 2022 - Feb 2023. SLHD Ethics (RPAH Zone)
29. **The long term effects of SHaPED (ethics approval granted for original SHaPED trial).** Jones C, Machado G, Lin C, Maher CM, Traeger A, Li Q, Coombs D, Sharma S and Abdel Shaheed C. 2021 – 2022.
30. **The OPAL Trial (Opioids for Acute Spinal Pain).** Lin C, Maher CM, Latimer J, Day D, McLachlan A, Billot L, Koes C and Jones C.
31. **The TOP UP Study (A physiotherapy led telehealth and exercise intervention to improve mobility in older people receiving aged care services: an effectiveness and implementation randomised controlled trial).** Sherrington C, Pinheiro M, Taylor M, Naganathan V, Hayne A, Oliveira J. 2021 – 2023. SLHD Ethics
32. **Trajectory of physical activity and the relationship of the different patterns of physical activity from middle age and subsequent falls and injurious falls in Australian women.** Kwok W, Dolja-Gore X, Khalatbari-Soltani S, Oliveira J, Pinheiro M, Byles J, Sherrington C. March 2022 - June 2023.
33. **Understanding barriers and facilitators to opioid deprescribing in primary care.** Lin C, Hamilton M, Mathieson S, Blyth F, Gnjdic D, Jansen J, Weir K, Abdel Shaheed C. 2021 – 2023. University of Sydney Ethics.
34. **Use of behaviour change techniques in exercise interventions targeting falls prevention and adherence to supervised exercise in community-dwelling adults: a secondary analysis of a systematic review.** Kwok W, Oliveira J, Nyman S, Tiedemann A, Khalatbari-Soltani S, Pinheiro M, Sherrington C. Jan 2021 - August 2022
35. **Use of infographics summarising health and medical research.** Zadro J, Ferreira G, Maher CM. Sept 2021 - June 2022. University of Sydney Ethics.
36. **WalkBack: Preventing recurrence of low back pain.** Hancock M, Latimer J, Lin C, Merom D, van Tulder M. Jan 2019 - Jun 2023
37. **What is important to clinicians about digital devices in rehabilitation? A cross-cultural best-worst scaling study.** Hassett L, Pearce L, Sherrington C, Howard K, Bacha J, Eduardo Pompeu J, Yamato T. April 2022 – December 2022.

Active clinical trials

There were 19 active clinical trials in 2022.

1. **Can a patient decision aid reduce peoples intentions to undergo subacromial decompression surgery or rotator cuff repair surgery for their shoulder pain?.** Zadro J, Ferreira G, Maher CM,

- McCaffery K, O'Keefe M, Thompson R, Buchbinder R, **Harris I**, Hoffmann T, **Karunaratne S**, O'Connor D, Peng S. Nov 2021 - June 2022.
2. **ComeBACK Trial (Coaching and Exercise for Better Walking)**. **Sherrington C**, Hinman R, Crotty M, Hoffmann T, Harvey L, Taylor N, **Hassett L**, **Tiedemann A**, **Richards B**, Greaves C, Jennings M, **Treacy D**. 2018 – 2023.
 3. **COMFORT: Clinical, Observation, Management, and Function Of low back pain Relief Therapies**. Abdel Shaheed C, **Maier CM**, McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R.
 4. **Effects of diagnostic labels for rotator cuff disease and advice on peoples perceived need for shoulder surgery: An online-randomised controlled study**. **Zadro J**, Ferreira G, **Maier CM**, Traeger AC, **Harris I**. Jan 2022 - July 2022.
 5. **FORTRESS (Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings)**. Kurrle S, Crotty M, Cameron ID, **Sherrington C**, Pond D, Nguyen TA, Laver, K Howard K. 2020- 2023
 6. **Implementing a digitally enabled environment to enhance rehabilitation: a hybrid type II feasibility randomised controlled trial**. **Hassett L**, **Treacy D**, **Aravind N**, **Chagpar S**, **Sherrington C**, Harvey L, Glinsky J.
 7. **Improving mobility after traumatic brain injury using ballistic strength training**. Williams G, Ada L, **Hassett L**, Morris M, Clark R, Bryant A, Olver J.
 8. **Increasing Health Service Referral to Exercise and Sport: a Trial of Health Professional Education (Simplified title: Professional Referral to Physical Activity, Sport and Exercise-PROPOSE)**. Sherrington, Purcell et al.
 9. **Neural management plus advice to stay active on clinical measures and sciatic neurodynamic for patients with chronic sciatica: study protocol for a controlled randomised clinical trial**. Corrêa L, Bittencourt J, Pagnez M, **Mathieson S**, Saragiotto B, Telles G, Meziat-Filho N, Nogueira L. 2021- 2023.
 10. **OASIS study (a randomised, placebo-controlled trial of oral glucocorticoids for leg pain in patients with acute sciatica)**. **Lin C**, McLachlan A, **Latimer J**, Abdel Shaheed C and Li Q. 2021 – 2024.
 11. **Oral Steroids in Sciatica**. Needs C and **Richards B**.
 12. **Preventing falls in older Aboriginal people: the Ironbark trial**. Ivers R, **Sherrington C**, Clapham K, Mackean T, Keay L, Clemson L, **Tiedemann A**, et al. 2018 – 2022.
 13. **Real World Effectiveness of Upadacitinib on Early and Sustained Pain Control in Radiographic Axial Spondylarthritis (UPSTAND)**. Youseff P and **Richards B**.
 14. **Successful AGEing (SAGE) yoga trial**. **Tiedemann A**, **Oliveira J**, **Sherrington C**, Lord S, Sesto R, Camara G, Grunseit A, Bauman A, Anstey K, Shepherd R, **Haynes A**, **Gilchrist H**
 15. **The Brief Physical Activity Counselling by Physiotherapists (BEHAVIOUR) study**. **Hassett L**, Jennings M, Brady B, **Pinheiro M**, **Haynes A**, Pearce A, Howard K, Sidhu B, Christie L, Dennis S, Greaves C, **Sherrington C**.
 16. **The feasibility of delivering and evaluating stratified care integrated with eHealth ('Rapid Virtual Stratified Care') for patients with low back pain: a randomised controlled trial**. **Zadro J**, Needs C, **Maier CM**, Martens D, **Coombs D**, **Machado G**, Adams CL, Foster N, **Han C**, **McLennan C**, **Chen Q**. Feb 2022 - Feb 2023.
 17. **The OPAL Trial (Opioids for Acute Spinal Pain)**. **Lin C**, **Maier CM**, **Latimer J**, Day D, McLachlan A, Billot L, Koes C and Jones C.
 18. **The TOP UP Study (A physiotherapy led telehealth and exercise intervention to improve mobility in older people receiving aged care services: an effectiveness and implementation**

randomised controlled trial). **Sherrington C, Pinheiro M**, Taylor M, Naganathan V, Hayne A, **Oliveira J.** 2021 – 2023.

19. **WalkBack: Preventing recurrence of low back pain.** Hancock M, **Latimer J, Lin C**, Merom D, van Tulder M. Jan 2019 - Jun 2023
20. **Is dance exercise in disguise?** An impact evaluation of the RIPE dance program targeting fall prevention and wellbeing in people aged 60 plus. **Gilchrist H, Tiedemann A, Sherrington C**, Haynes C, De **Oliveira JS** and Merom D.

Participant recruitment

3794 participants were recruited for trials in 2022.

- 1. ComeBACK Trial (Coaching and Exercise for Better Walking).** Sherrington C, Hinman R, Crotty M, Hoffmann T, Harvey L, Taylor N, Hassett L, Tiedemann A, Richards B, Greaves C, Jennings M, Treacy D. 2018 – 2023. **137 participants recruited.**
- 2. Is dance exercise in disguise? An impact evaluation of the RIPE dance program targeting fall prevention and wellbeing in people aged 60 plus.** Gilchrist H, Tiedemann A, Sherrington C, Haynes C, De Oliveira JS and Merom D. **62 participants recruited.**
- 3. Diagnostic labels and advice for rotator cuff disease influence perceived need for shoulder surgery: An online-randomised experiment.** Zadro JR, O’Keeffe M, Ferreira GE, Traeger AC, Gamble A, Page R, Herbert R, Harris IA, Maher CMG. – **2,028 participants recruited**
- 4. FORTRESS (Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings).** Kurrle S, Crotty M, Cameron ID, Sherrington C, Pond D, Nguyen TA, Laver, K Howard K. **100 participants recruited**
- 5. Implementing Back@Home, a virtual hospital model of care for back pain.** Melman A, Coombs D, Li Q, Billot L, Richards B, Marabani M, Anandacoomarasamy A, Hutchings O, Teng MJ, McCaffery K, Harris I, Buchbinder R, Maher CM, Machado G. **37 patients recruited.**
- 6. Increasing Health Service Referral to Exercise and Sport: a Trial of Health Professional Education (Simplified title: Professional Referral to Physical Activity, Sport and Exercise- PROPOSE).** Sherrington C, West K, Hassett L, Tiedemann A, Baur L, Purcell K, Geerts M, Hayne A. **30 participants recruited**
- 7. OASIS study (a randomised, placebo-controlled trial of oral glucocorticoids for leg pain in patients with acute sciatica).** Lin C, McLachlan A, Latimer J, Abdel Shaheed C and Li Q. 2021 – 2024. **70 participants recruited.**
- 8. PROMOTE-PA, part one.** Sherrington C, Tiedemann A, Hassett L, Richards B, Baur L, Bauman A, Harvey L, Phongsavan P, Alison J, Smith B, Purcell K, Cole J, Rissel C, Walkley J, Dwyer G, West K, Haynes A, Pinheiro M, Griffin A, Savage R, Dawson J. **44 participants recruited.**
- 9. Rehabilitation technology: A mixed methods study of clinicians’ uptake, experiences and perceptions** Louise Pearce, Julie Pryor, Cathie Sherrington, Leanne Hassett - **24 participants recruited.**
- 10. The Brief Physical Activity Counselling by Physiotherapists (BEHAVIOUR) study.** Hassett L, Jennings M, Brady B, Pinheiro M, Haynes A, Pearce A, Howard K, Sidhu B, Christie L, Dennis S, Greaves C, Sherrington C. **52 participants recruited.**
- 11. The feasibility of delivering and evaluating stratified care integrated with eHealth (‘Rapid Virtual Stratified Care’) for patients with low back pain: a randomised controlled trial** (Joshua Zadro; Chris Needs; Chris Maher; David Martens; Danielle Coombs; Gustavo Machado; Cameron (Louis) Adams; Nadine Foster; Christopher Han; Charlotte McLennan; Qiuzhe Chen) - **21 participants recruited.**
- 12. The TOP UP Study (A physiotherapy led telehealth and exercise intervention to improve mobility in older people receiving aged care services: an effectiveness and implementation randomised controlled trial).** Sherrington C, Pineiro M, Neura MT, Naganathan V, Hayne A, Oliveria J. **130 participants recruited.**
- 13. WalkBack: Preventing recurrence of low back pain.** Hancock M, Latimer J, Lin C, Merom D, van Tulder M. **126 participants recruited.**

- 14. What is important to clinicians about digital devices in rehabilitation? A cross-cultural best-worst scaling study.** Louise Pearce, Cathie Sherrington, Kirsten Howard, Jose Eduardo Pompeu, Tie Parma Yamato, Jessica Maria Ribeiro Bacha, Leanne Hassett - **140 participants recruited.**
- 15. VR fitness training in TBI single case experimental design (SCED).** Hassett L et al. **5 participants recruited.**
- 16. Volunteering of professional skills among Australian physiotherapists: a survey.** Strkljevic I, De Oliveira JS, Haynes A, Tiedemann Sherrington C. **733 participants recruited.**

Contributions to The University of Sydney

Committees

1. **Abdelshaheed C.** Faculty of Medicine and Health Board
2. **Coombs, D.** Sydney Musculoskeletal Health Back and Neck Pain Advisory Group
3. **Gilchrist H.** Coordinator and Chair (Joint) Population, Aging and Health Seminar Series Faculty of Medicine and Health, University of Sydney
4. **Gilchrist H.** Sydney School of Public Health Education Advisory Committee
5. **Hamilton M.** SSLC committee member, School of Public Health, The University of Sydney
6. **Hassett L.** Academic Implementation Science Network Leadership group, University of Sydney.
7. **Jones C.** HDR Liaison Committee (The University of Sydney)
8. **Langford A.** Higher Degree Research Student Conference Organising Committee, School of Pharmacy, Faculty of Medicine and Health.
9. **Machado G.** Member, Faculty of Medicine and Health: EMCR Subcommittee
10. **Machado G.** Member, School of Public Health: EMCR Committee
11. **Maher C.** Member, Sydney School of Public Health Board
12. **Maher C.** Co-Director, Sydney Musculoskeletal Health
13. **Maher C.** Member, Faculty of Medicine and Health Level E Promotions Committee
14. **Mathieson S.** Member, The University of Sydney Academic Minimum Standards Working Group
15. **Mclachlan H.** Member, University of Sydney Tender Evaluation Committee for Contract Manufacturer Services Committee
16. **Oliveira J.** Member, Population, Health & Ageing seminar in the Faculty of Medicine and Health
17. **Sherrington C.** Member, Academic Board, School of Public Health
18. **Sherrington C.** Member, Research Committee, Faculty of Medicine and Health
19. **Sherrington C.** Population Health Research Academic Director, Faculty of Medicine and Health
20. **Tiedemann A.** Member, Academic Board, School of Public Health
21. **Tiedemann A.** Member, Research Education Committee, Faculty of Medicine and Health
22. **Tiedemann A.** Research Education Academic Director, Faculty of Medicine and Health
23. **Traeger A.** Member, Research Showcase Committee, School of Public Health
24. **Vella S.** Member, Sydney Musculoskeletal Health Flagship, Clinical Research, Health Services Research and Population Health Research Advisory Group
25. **Zadro J.** Member, ECR Advisory Group, Sydney School of Public Health
26. **Zadro J.** Member, ECR Steering Committee, Sydney School of Public Health

Teaching

1. **Chen Q.** PHTY5203 Tutor
2. **Costa N.** HPOL5000 Leader tutor
3. **Costa N.** HPOL5003 Tutor and marker
4. **Costa N.** HPOL5003 Tutor and marker
5. **Gilchrist H.** Master of Public Health (MPH) Academic Program Coordinator
6. **Gilchrist H.** PUBH5040 Unit Coordinator
7. **Hassett L.** EXSS3061 Lecturer

8. **Hassett L.** PHTY2061 Lecturer
9. **Hassett L.** PHTY3082 Lecturer
10. **Hassett L.** PHTY5195 - Neurological Physiotherapy 1, Unit Coordinator
11. **Hassett L.** PHTY5195 Tutor
12. **Kharel P.** PUBH5036 Tutor and marker
13. **Mathieson S.** FMHU5003 Qualitative Research in Health
14. **Mathieson S.** PHAR4815 Marking
15. **Mathieson S.** Pharmacy Honours supervisor
16. **Mathieson S.** PUBH5134 Masters of Public Health Capstone assessor
17. **McLennan C.** Student supervisor of University of Sydney undergraduate and postgraduate Physiotherapy students
18. **Melman A.** PHTY5195 Tutor
19. **Pearce L.** PHTY5180 Tutor and SIM Teaching.
20. **Sherrington C.** Co-coordinator PUBH5610, 5611, 5612.
21. **Tiedemann A.** Co-coordinator PUBH5610, 5611, 5612.
22. **Youssef P.** CEPI5215 (Writing and Reviewing Medical Papers)

Contributions to Sydney Local Health District

Committees

1. **Coombs, D.** Royal Prince Alfred Physiotherapy Quality Improvement Committee
2. **Coombs, D.** Sydney Local Health District Allied Health Research Leaders Network
3. **Hassett L.** Implementing the minimum standards for people following amputation – Sydney Local Health District, Sydney Health Partners & Agency for Clinical Innovation.
4. **Langford A.** Human Research Ethics Committee - Executive Ethical Review Panel, Panel Member, Concord General Repatriation Hospital
5. **Machado G.** Member, RPA Virtual Low Back Pain Working Group
6. **Maher C.** RPA Research Committee (Member)
7. **Maher C.** Sydney Health Partners (Co-Lead Musculoskeletal theme)
8. **Maher C.** Sydney Research Council (Member)
9. **Maher, C.** Co-lead, Low back pain working group for the NSW Agency for Clinical Innovation
10. **McLennan C.** Member of Canterbury Falls Committee
11. **McLennan C.** Member of RPAH Falls Committee
12. **McLennan C.** Member of SLHD Falls and Cognition Committee
13. **Sherrington C.** Member, SLHD Falls and Cognition Committee
14. **Sherrington C.** Member, Sydney Healthy Eating Active Living Committee
15. **Tiedemann A.** Committee member, SLHD Active Ageing Network, SLHD
16. **Zadro J.** Member of the SLHD Patient and Family Centred Care Research Working Group

Invited presentations

In 2022, the demand for health services within Sydney Local Health District was still under pressure to respond to the healthcare needs of the community due to the ongoing Covid-19 pandemic. This limited the opportunity to provide in-services and presentations to clinical staff. Below are presentations that IMH staff conducted in 2022.

1. **Ferreira G.** Invited presenter to Rheumatology Department – ‘Duloxetine for chronic sciatica’
2. **Ferreira G.** Invited presenter to Department of General Practice – ‘Improving back pain care in Australia’
3. **McLennan C.** Invited Speaker Royal Prince Alfred Hospital Links Education Series 2022, ‘Understanding and preventing falls in hospitals’
4. **Zadro J.** Invited presenter to physiotherapists at Concord Hospital – ‘Labelling and decision aids for shoulder pain’

Contribution to the Scientific Community

Leadership roles in international and national organisations

Baldwin J. Australian Association of Gerontology Student and Early Career Group member

Coombs D. Emergency Care Institute Research and Innovation Advisory Committee

Dawson R. Vice President, Australian Physiotherapy Association

Dawson, R. Director of the Australian Physiotherapy Association

Dawson, R. Vice President of the Australian Physiotherapy Association 2021-2022

Ferreira G. Australian Physiotherapy Association (APA) & Physiotherapy Evidence Database (PEDro) – APA Competence Framework Working Group

Ferreira G. Chair - ANZBACK Diversity and Inclusion Portfolio

Ferreira G. Chair - ANZMUSC Early Career Fellow Committee

Ferreira G. Physiotherapy Evidence Database (PEDro) – Education & Training Portfolio

Hassett L. Academic Implementation Science Network Leadership group, University of Sydney.

Hassett L. APA Disability Group - NSW executive member

Hassett L. Implementing the minimum standards for people following amputation – Sydney Local Health District, Sydney Health Partners & Agency for Clinical Innovation.

Hassett L. Society for Implementation Research Collaboration (SIRC) mentorship program, mentor and mentee role

Hassett L. Team Leader for Neurological Rehabilitation Research Group.

Hassett L. WHO Development Group for TBI package of rehabilitation interventions- Group member

Jones C. ANZMUSC ECR Committee

Langford A. Annual Scientific Meeting, Social-media Lead. Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT).

Langford A. Public engagement Sub-committee. The Australian Deprescribing Network.

Langford A. Publicity Officer. The American Association of Pharmaceutical Scientists (AAPS), The University of Sydney Chapter.

Langford A. Student Forum Committee. Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT)

Lin C. Committee Member, Pain, Mind and Movement Special Interest Group of the International Society for the Study of Pain (IASP)

Lin C. Member of the International Sciatica Working Group, International Association for the Study of Pain Neuropathic Pain Special Interest Group

Lin C. Member, Executive Committee, NHRMC ANZBACK Centre of Research Excellence

Lin C. Member, Scientific Advisory Committee, Australia and New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network

Lin C. Postgraduate Scholarship Review Panel, National Health and Medical Research Council, Australia

Maher C. Australian Institute for Health and Welfare, Musculoskeletal Conditions, Advisory Group Member

Maher C. Chair ANZBACK Research Network

Maher C. Deputy Chair ANZMUSC Clinical Trials Network

Maher C. Executive member, Wiser healthcare

Maher C. Senior Editor, Cochrane Musculoskeletal

Maher C. Member for the World Health Organization Low back pain Guideline Development Group

Maher C. NSW State Insurance Regulatory Authority (SIRA) Back Injury clinical advisory group, member

Maher C. Steering Committee Member Spine Trial Bank

Maher C. Working Group Member for the Australian Commission for Safety and Quality in Health Care Low Back Pain, Clinical Care Standards

Maher C. Co-lead, Low back pain working group for the NSW Agency for Clinical Innovation

Maher C. Advisory panel. Western University Bone and Joint Institute (Canada)

Maher C. Honorary professor, Macquarie University

Maher C. Visiting professor, The University of Oxford

Mathieson S. Australia & New Zealand Musculoskeletal Clinical Trials Network (ANZMUSC) ECF Committee

Mathieson S. Australian Pain Society Scientific committee

Mathieson S. Cochrane Author Panel

Mathieson S. WISER Early Career Researcher Network representative

McLennan C. Executive Committee Member, Australian and New Zealand Falls Prevention Society

McLennan C. Member of Centre of Research Excellence in the Prevention of Falls Injuries

McLennan C. Member, Sydney Health Partner Musculoskeletal Clinical Academic Group

Melman A. Australian Physiotherapy Association Pain Group NSW Branch Vice Chair

Pinheiro M. Associate Member, Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network. Development and contribution to clinical trials in musculoskeletal disorders within ANZMUSC Clinical Trials Network.

Pinheiro M. Contributed to the development of a course for the Australian Physiotherapy Association Specialisation program on Evidence-Based Practice

Pinheiro M. Lead of the translation to Portuguese of the Physiotherapy Exercise website

Pinheiro M. Physiotherapy Evidence Database (PEDro) educational training committee

Pinheiro M. Representative of the Centre of Research Excellence in the Prevention of Fall-related Injuries in the Collaboration for Enhanced Research Impact (CERI) Coordinating Group

Sherrington C. Board member, Cerebral Palsy International Sport and Recreation Association

Sherrington C. Co-chair, Fragility Fracture Network Physiotherapy Special Interest Group

Sherrington C. Secretary, Cerebral Palsy Sport and Recreation Association (NSW)

Tiedemann A. Chair of Ageing Special Interest Group, International Society of Behavioral Nutrition and Physical Activity, Nov 2020-present

Tiedemann A. Executive Committee member, The Australian and New Zealand Falls Prevention Society, Nov 2021-present

Tiedemann A. Grants Committee Member, Australian Association of Gerontology

Tiedemann A. Co-chair, Ageing Special Interest Group, International Society for Behavioral Nutrition and Physical Activity

Tiedemann A. Executive Committee member, Australia and New Zealand Falls Prevention Society

Tiedemann A. Guideline Development Group, World Health Organization update of Global Physical Activity and Sedentary Behaviour Guidelines for youth and adults

Tiedemann A. International Society of Behavioral Nutrition and Physical Activity, Chair of Ageing Special Interest Group

Tiedemann A. The Australian and New Zealand Falls Prevention Society, Executive Committee member

Tiedemann A. The Australian Association of Gerontology, Grants committee member

Traeger A. Associate editor for social media for Cochrane Musculoskeletal Group

Traeger A. Australia Physiotherapy Association Scientific Sub-committee 2017 and 2019

Traeger A. Steering committee member Physiotherapy Evidence Database (PEDro)

Zadro J. Contributed to the development of a course for the Australian Physiotherapy Association Specialisation program on Evidence-Based Practice

Zadro J. Coordinating a global PEDro campaign in 2022 on 'Tackling the biggest barriers to evidence-based practice in physiotherapy'. Leading a team of 12 researchers and 5 clinicians on this campaign

Zadro J. Invited to design an infographic/video summary for my review: The effectiveness of biofeedback for improving pain, disability and workability in adults with neck pain: a systematic review and meta-analysis

Peer-Review roles

Baldwin J. Editorial board member, International Journal of Behavioural Nutrition and Physical Activity.

Costa N. Peer reviewer for 12 journal articles.

Costa N. Abstract rate, World Physiotherapy Congress.

Ferreira G. Associate editor, BMC Musculoskeletal Disorders.

Ferreira G. Associate editor, Brazilian Journal Physical Therapy.

Ferreira G. Associate editor, Scientific Reports.

Ferreira G. Peer reviewer, Sydney Pain Consortium Presentations, Faculty Medicine and Health, University of Sydney,

Ferreira G. Reviewer, HCF Research Foundation (Australia), Health Services Research Grants.

Ferreira G. Peer Review of NHMRC Investigator and Development Grants.

Hassett L. Editorial board member. International Journal for Behavioural Nutrition and Physical Activity (IJBNPA).

Hassett L. Reviewer for various international and national rehabilitation, physiotherapy, and physical activity journals.

Hassett L. Reviewer for MRFF EMCR & Lifetime Support Agency grant panels.

Haynes A. Associate Editor for Health Research Policy and Systems.

Haynes A. Peer reviewer for six journals, including Journal of Physiotherapy, BMC Musculoskeletal Disorders and Health Promotion Journal of Australia.

Jones C. Peer reviewer for BMC Musculoskeletal Disorders.

Kamper S. Associate Editor, Cochrane Back and Neck Group.

Kamper S. Peer reviewer for the National Health and Medical Research Council (NHMRC) project grants and investigator grants.

Kamper S. Peer reviewer of manuscripts for more than 30 journals.

Kwok W. Peer reviewer, Achieves of Gerontology and Geriatrics.

Kwok W. Peer reviewer, Journal of Aging and Physical Activity.

Langford A. Peer reviewer for four journals.

Lin C. Associate Editor, British Journal of Sports Medicine.

Lin C. Editorial Board Member, Journal of Physiotherapy.

Lin C. Peer reviewer, Health Research Council of New Zealand.

Machado G. Academic Editor, PLOS One.

Machado G. Peer reviewer, HCF Research Foundation.

Machado G. Manuscript reviews for 15 journals, including Annals of Internal Medicine, JOSPT & BMJ

Maher C. Editor, Cochrane Back and Neck Group

Maher C. Editor, Cochrane Musculoskeletal Group

Maher C. Peer reviewer, European Science Foundation

Maher C. Grant peer reviewer for 21 funding bodies

Maher C. Manuscript reviews for 51 journals including JAMA, BMJ

Mathieson S. Editorial board member, American Journal of Internal Medicine.

Mathieson S. Reviewer and board member, International Journal of Environmental Research and Public Health.

Mathieson S. Research editorial, Journal of Pain.

McLennan C. Peer reviewer, Australasian Journal on Ageing.

Melman A. Peer reviewer, for BMC, Clinical Rehabilitation & Brazilian Journal of Physical Therapy.

Sharma S. Invited member, JOSPT International editorial Reviewer Board.

Sharma S. Peer reviewer for nine journals, including Journal of Orthopaedic and Sports and Physical Therapy, BMJ

Sherrington C. Editorial Board Membership, Archives of Physical Medicine and Rehabilitation, Journal of the American Geriatrics Society and Physiotherapy Journal.

Sherrington C. Manuscript reviews for 64 journals, including Lancet, PLOS ONE, BJSM.

Tiedemann A. Manuscript reviews for 18 journals including BMC Geriatrics, BMC Family Practice & BJSM

Tiedemann A. PhD examiner for Uni of TAS, Uni of Canberra, Uni of South Australia, and Uni of Western Sydney

Tiedemann A. Abstract reviewer, International Society of Behavioral Nutrition and Physical Activity conference

Tiedemann A. Associate Editor, British Journal of Sports Medicine

Tiedemann A. Editorial board member, International Journal of Behavioral Nutrition & Physical Activity

Tiedemann A. Expert reviewer of exercise programs to be included in the NSW Health web-based directory of falls prevention exercise programs.

Tiedemann A. External reviewer, KU Leuven Research Council, Netherlands, March 2021, 2022

Tiedemann A. Emerging Researchers Committee Chair, Lifespan Research Network, University of Sydney.

Tiedemann A. Review Panel Member, NHMRC Ideas Grant.

Tiedemann A. Associate Editor, Journal of Physical Activity and Health.

Traeger A. Editor for the Journal of Physiotherapy.

Traeger A. Grant Reviewer for the Physiotherapy Research Foundation Australia.

Traeger A. Independent Thesis examiner for UNSW.

Traeger A. Peer review judge at the Australian Pain Society Conference 2022.

Traeger A. Peer reviewer for over 20 journals (including PAIN, PLOS Medicine and Annals of Internal Medicine).

Vella S. BMC Musculoskeletal Disorders (Peer reviewer).

Vella S. Disaster and Emergency Medicine Journal (Peer reviewer).

Zadro J. Volunteer rater for the Cochrane Crowd.

Zadro J. Volunteer trial rater for Physiotherapy Evidence Database.

Physiotherapy Evidence Database Partnership (PEDro Partnership)

For over 23 years, Physiotherapy Evidence Database (or ‘PEDro’ for short) has supported evidence-based practice for the best patient outcomes. PEDro is a curated database and provides resources for clinicians to implement the evidence to clinical practice. The Institute for Musculoskeletal Health manages the PEDro database, and the PEDro website is hosted at Neuroscience Research Australian (NeuRA).

PEDro is an established, high-traffic and robust database indexing over 58,000 randomised controlled trials, systematic reviews and evidence-based clinical practice guidelines evaluating the effects of physiotherapy interventions across all subdisciplines. PEDro is used by students, researchers, educators, clinicians and policymakers.

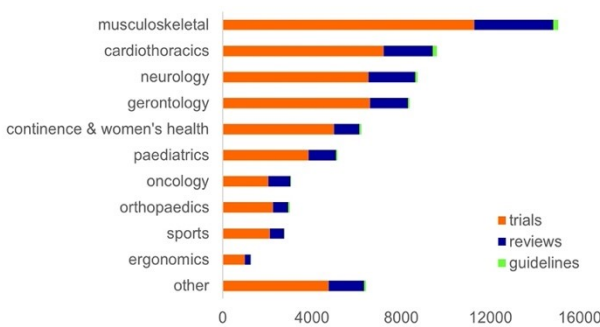


Figure 1. Breakdown of trials, reviews and guidelines per subdiscipline

The articles are relevant to the assessment, treatment and understanding of conditions that impact physical function and the health of the musculoskeletal system. All trials listed on PEDro are rated for methodological quality by at least two trained PEDro raters using the [PEDro scale](#). These ratings allow users to quickly and easily identify high-quality, relevant trials to guide their practice. Rapid access to high quality evidence is particularly important for clinicians, educators and academics since the body of research into the effects of physiotherapy interventions is growing exponentially.

PEDro also provides resources to support learning about and implementing evidence-based practice into clinical settings. Clinicians and educators have access to resources such as the World-wide journal club, tutorials, systematic review summaries and infographics, PEDro YouTube channel and a sibling database of diagnostic test accuracy (DiTA).

PEDro is currently available in 17 languages. This initiative sought to reduce barriers that may be experienced by non-English speaking users to access and implement evidence-based practice in clinical care.

In 2022, users from 211 countries performed a search on PEDro every 7 seconds (equating to over 3.8 million searches), with the highest users from Brazil. This is illustrated in the heat map in Figure 2.

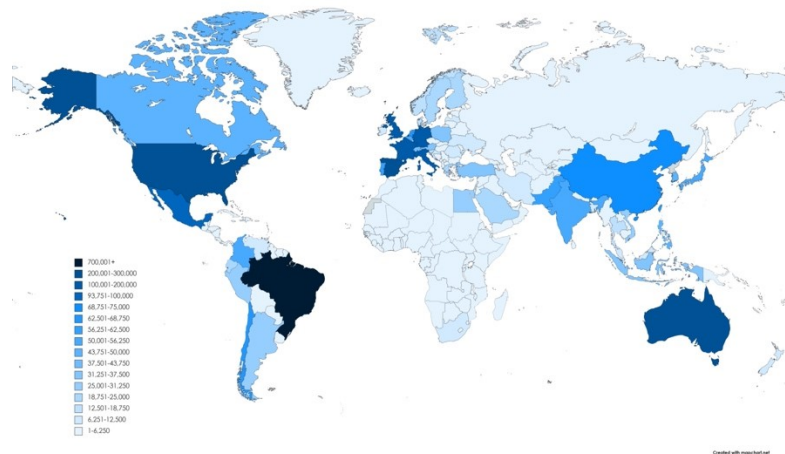


Figure 2. Heat map of PEDro users in 2022

PEDro seeks to bridge gaps in health inequality for clinicians and patients world-wide by providing the resource at no cost to users. Currently, two physiotherapy organisations have a multi-year partnership

with PEDro but largely, an annual donation appeal is made to worldwide physiotherapy organisations. In 2022, Twenty-eight world-wide physiotherapy associations contributed an annual donation. Despite these generous contributions, financial sustainability remains a major challenge for PEDro.

Grants

Grant Name/Type	Amount Awarded	Project Title	Investigators	Period
NHMRC Centre of Research Excellence - Clinical				
NHMRC Centre of Research Excellence - Clinical <i>Internal Research Tied - Faculty</i>	\$2,500,000 \$250,000	Centre of Research Excellence in the Prevention of Fall-related Injuries	Sherrington, C , Lord, S, Crotty, M, Haines, T, Byles, J, Seibel, M, Cameron, I, Close, J, Howard, K, Bauman, A.	2020-2025
<i>Internal Research Tied - DVCR</i>	\$250,000			
NHMRC Centre of Research Excellence - Clinical <i>Internal Research Tied - DVCR</i>	\$2,499,190 \$250,000	Low back pain Centre for Research Excellence	Maher C , Buchbinder R, Hancock M, O'Sullivan P, McAuley J, Blyth F, Jorm L, Collie A, McCaffery K, Hayes A .	2020-2023
<i>Internal Research Tied - Faculty</i>	\$250,000			
NHMRC Centre of Research Excellence	\$2,500,000	Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network [2022-2026]	Buchbinder R, Maher CG , Hinman R, Harris IA , March L, McAuley J, Ferreira M, Hodges P, O'Connor D, Billot L.	2022-2026
NHMRC Centre of Research Excellence – Clinical	\$2,497,654	Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network [2018 - 2022]	Buchbinder R, Maher C , March L, Day R, Hinman R, Harris I , Ferreria M, Glasziou P, Green S, Billot L.	2017-2022
NHMRC Centre of Research Excellence	\$2,500,000	Wiser healthcare: better value care for all Australians	McCaffery K, Carter S, Barratt A, Bell K, Moynihan R, O'Conor D, Maher C , Buchbinder R, Houssami N, Glasziou P.	2022-2026

NHMRC Project and Partnership Grants				
NHMRC	\$2,818,123	Reshaping the management of low back pain in emergency departments	Maier CG, Machado GC, Rogan E , Edwards J, Kinsman L, Howard K, Williams C, Harvey L, Naganathan V, Buchbinder R, McCaffery K, Harris I , Ghinea N, Billot L, Wiggers J	2022-2026
NHMRC	\$1,119,327	NUDG-ED: Trial of behavioural ‘nudging’ interventions to reduce unnecessary care for low back pain in the Emergency Department	Traeger A, Maier C , Cullen L, McCaffery K, Linder J, Buchbinder R, Coeira E, Howard K, Machado GC .	2022-2025
NHMRC-CIHR	\$1,249,933	Choose to Move. Healthy Cities Implementation Science Team Grant Scheme	Tiedemann A , McKay H, Sherrington C, Hassett L , Wolfenden L, Bauman A, Phongsavan P, Smith B, Oliveira JS , Kite J.	2022-2027
NHMRC Project Grants	\$1,440,375	Promotion of evidence-based physical activity for older adults and people with disabilities by health professionals	Sherrington C, Hassett L, Tiedemann A , Harvey L, Pinheiro M , Howard K, Phongsavan P, Haynes A , Noetel M, Reece L, Bauman A, Lonsdale C, Smith B, Clutterbuck G, Treacy D , Dwyer G, West K .	2021-2025
NHMRC Partnership Grant	\$1,342,100	The BEST at Home pragmatic fall prevention program: effectiveness, cost effectiveness and implementation	Sherrington C , Furber S, Bauman A, Howard K, Tiedemann A .	2014-2022
NHMRC Project Grants	\$1,142,038	Trial of glucocorticoids in acute sciatica	Lin C , McLachlan A, Latimer J, Abdel Shaheed C and Li Q.	2019-2022
NHMRC Project Grants	\$930,103	Preventing falls in older age with yoga-based exercise: effectiveness, cost-effectiveness and implementation	Tiedemann A, Sherrington C , Lord, SR.	2019-2022
NHMRC Project Grants	\$3,026,698	Preventing falls in older Aboriginal people: the Ironbark trial	Ivers R, Sherrington C , Clapham K, Mackean T, Keay L, Clemson L, Tiedemann A , et al.	2018-2022
NHMRC Project Grants	\$2,352,236	IMPLORE - Implementing an opioid stewardship intervention to reduce opioid use	Abdel Shaheed C, Maier C , McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R.	2022-2026

NHMRC Targeted call for research into Frailty in Hospital Care	\$1,470,000	FORTRESS (Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings)	Kurrle S, Crotty M, Cameron ID, Sherrington C , Pond D, Nguyen TA, Laver, K Howard K.	2020-2023
NHMRC Partnership Grant	\$1,108,389	The Get Healthy Coaching Service to reduce the burden of low back pain: effectiveness, cost effectiveness, and scalability	Ferreira P, Ferreira M, Bauman A, Hodges P, Maher C , Simic M, Morton R, Lonsdale C, Li Q, Baysari M, Amorim A, Cepnija D, Clavisi O, Halliday M, Herbert R, Ho E, Jennings M, Kongsted A, Maka K, Reid K.	2020-2024
NHMRC Project Grants	\$813,433	WalkBack: Preventing recurrence of low back pain.	Hancock M, Latimer J , Lin C , Merom D, van Tulder M, Maher C , Clavisi O, Macaskill P.	2019-2023
NHMRC Project Grants	\$799,254	Identifying and addressing unwarranted clinical variation in hip fracture care to improve health outcomes	Close J, Harvey L, Harris I , Mitchell R.	2019-2023
NHMRC Fellowship or Investigator Grant				
NHMRC Investigator Grant	\$650,740	Improving back pain care in Australia	Ferreira, GE.	2022-2026
NHMRC Investigator Grant	\$2,514,215	Delivering the right care for low back pain	Maher, C.	2021-2025
NHMRC Investigator Grant	\$1,562,250	Targeting health system change to provide better care for people with chronic pain	Kamper, SJ.	2021-2025
NHMRC Investigator Grant	\$1,000,105	Improving pain management in primary care	Lin, C.	2021-2025
NHMRC Investigator Grant	\$645,205	Can E-health improve access to effective and affordable health care for musculoskeletal conditions?	Zadro, J.	2021-2025
NHMRC Early Career Fellowship	\$327,192	Physical Activity for Healthy Ageing: Cost Effectiveness and Implementation	Pinheiro, MB.	2019-2024

Internal Research Tied - Faculty	\$255,823			
Internal Research Tied - DVCR	\$30,720			
NHMRC Early Career Fellowship	\$261,754	Reversing the opioid epidemic in Australia	Mathieson, S.	2019-2022
Internal Research Tied - Faculty	\$205,999			
Internal Research Tied - DVCR	\$24,576			
NHMRC TRIP Fellowship	\$181,066	Implementation of physical activity counselling within NSW Health physiotherapy services: a cluster randomised controlled trial	Hassett L.	2019-2022
Internal Research Tied - Faculty	\$40,767			
NHMRC Clinical Trials and Cohort Studies Scheme				
NHMRC Clinical Trials and Cohort Studies Scheme	\$2,352,236	COMFORT: Clinical, Observation, Management, and Function Of low back pain Relief Therapies	Abdel Shaheed C, Maher C, McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R.	2021-2027
Other Competitive Grants				
MRFF Clinician Researchers - Nurses Midwives and Allied Health	\$1,491,473	Restructuring musculoskeletal health services to ensure equitable access to effective, affordable allied health care	Zadro J, Maher C, Machado G, Traeger A, Buchbinder R, Harris I, Shaw T, Harvey L, Ackerman I, Richards B, Abdel Shaheed C, Mathieson S, Swain M, Anderson D, Coombs D.	2022-2026
MRFF Clinician Researchers - Nurses Midwives and Allied Health	\$1,479,940	Responsible Opioid use for Hip and knee ArthropLasTy (OpioidHALT) study	Penm J, Naylor J, Patanwala A, Lintzeris N, Moles R, Char B, Si L, O'Reilly C, Adie S, Descallar J, Schneider C, Stevens J, Brady B, Bailey K, Liu S. AI: Penm M, Schaper F, Ashton-James C, Gnjjidic D, Luckie K, Mathieson S, Genel F, Lin C.	2023-2027

MRFF Effective Treatments and Therapies (Stream 1)	\$1,217,997	Active Women over 50: an effectiveness-implementation randomised controlled trial	Tiedemann A, Sherrington C, Hassett L , Phongsavan P, Haynes A, Pinheiro MB , Kwasnicka D, Houssami N, Rosenbaum S, Wallbank G .	2022-2026
MRFF: Models of Care to Improve the Efficiency and Effectiveness of Acute Care Application	\$2,818,124	Reshaping the management of low back pain in emergency departments	Maher C, Rogan E, Machado G , Edwards J, Buchbinder R, Harris I , Williams C, Naganathan V, Howard K, McCaffery K, Billot L, Wiggers J, Harvey L, Kinsman L, Ghinea N.	2022-2025
The University of Sydney Robinson Fellowship <i>Internal Research Tied - Faculty</i>	\$621,202 \$353,995	Physical activity for preventing falls and maximising health in middle to older age: development and evaluation of scalable approaches	Tiedemann A.	2020-2024
NSW Ministry of Health Tender awarded to <i>Neuroscience Research Australia</i>	\$688,602	NSW Active and Healthy Fall Prevention Network	Lord SR, Delbaere K, Sturneiks D, Sherrington C.	2020-2022
MRFF Consumer-led research	\$591,639	Our Recovery – A consumer-led, evidence-based online program to optimise pain self-management in the community	Newton-John T, Clerc-Hawke A, Kamper SJ , Grunseit A, Rogers K, Lennox Thompson B, Johnson-Devin C, Devan H, Belton J, Nease D.	2022-2025

MRFF Preventive and Public Health	\$480,078	Physical activity promotion by health professionals to increase physical activity: two hybrid type II implementation-effectiveness cluster randomised waitlist controlled trials in hospital outpatient settings	Hassett L, Sherrington C, Pinheiro M , Howard K, Jennings M, Greaves C, Alison J, Walkley J, Haynes A , Bauman A, Smith B, Brady B, Richards B , Vassallo G, Cole J, West K , D'Sousa M.	2020-2023
MRFF Musculoskeletal Conditions in Children and Adolescents	\$1,242,434	Pain Smart: Integrating education and clinical care for adolescents with pain	Kamper SJ , Williams C, Nathan N, Martiniuk A, Wolfenden L, McAuley J, Hestbaek L, Rogers K, Angell B, Pate J, Thompson K, Swain M.	2022-2027
Icare	\$58,880	Trial of gamification using non-immersive VR on physical therapy following Traumatic Brain Injury (TBI): Funding for an external assessor, clinician-researcher and further development of a bespoke treadmill game	Pili, Hassett L , Simpson.	2022
ANZMSK Clinical Trials Network Seeding grant	\$19,974	Nothing about us without us: A qualitative investigation of general practitioners' and consumers' preferences on guideline implementation strategies	Costa N, Lin, C , French S, Huckel Schneider C, Langford A , Wilson, D, Weier M, Gnjudic D, Buchbinder R, O'Connor D.	2022-2023
MRFF 2020 Traumatic Brain Injury Mission, Stream 2- incubator	\$406,506	From injury to long-term physical activity for people living with traumatic brain injury	Hassett L , Williams G, Sherrington C , Tweedy S, Wolfenden L, Crotty M, Howard K, Haynes A , Bauman A, Simpson G, Scheinberg A, Clanchy K, Tiedemann A , Vassallo G, Rushworth N.	2021-2023
HCF Research Foundation	\$289,316	Reducing Inappropriate Medications for low back pain in the Emergency department (RIME): a controlled interrupted time-series implementation study	O'Leary S, Foster N, Mitchell G, Smyth T, Warren J, Comans T, Machado GC , Barlas P, Cottrell M, Heine J, See W.	2022

HCF Research Foundation	\$315,764	Optimising outcomes for patients with back pain by preventing hospital admission	Machado G, Maher C , Buchbinder R, Harris I, Needs C, Richards B , Shaw M, Hutchings O, Dearing C, Edwards J, Rogan E, Coombs D, Teng MJ , Dodd R, Ghinea N.	2021-2025
HCF Research Foundation	\$258,256	Assisting patients with knee osteoarthritis to make informed choices about total knee arthroplasty and non-operative management	Harris IA, Karunaratne S, Zadro JR , Trevena L, Solomon M, Horsley M, Hoffmann T, McCaffery K.	2020-2022
Rewarding Research Success. The University of Sydney (Faculty of Medicine and Health)	\$100,000	Supporting evidence-based practice in Nepean Blue Mountains Local Health District	Kamper, S.	2022
Scholarship	\$107,850	PhD Scholarship	Pearce, L.	2021-2024
Scholarship	\$97,068	PhD Scholarship	Vella, S.	2021-2024
Scholarship	\$40,000	Sydney Local Health District Clinician Researcher - PhD Scholarship	Teng, MJ.	2022
Chiropractic Australia Research Foundation PhD Scholarship	\$82,788	PhD Scholarship	Montgomery, L.	2019-2024
Australia New Zealand Musculoskeletal Clinical Trials Network Seeding Grant	\$20,000	Acceptability of a new non-surgical care pathway for patients waiting for lumbar spinal stenosis surgery	Anderson D, Williamson E, van Gelder J, Raykar V, Traeger A, Kamper SJ , Pappas E, Mathieson S , Richmond H, Griffith K.	2022-2023
DVCR COVID-19 support scheme	\$41,600	DVC Research COVID-19 support scheme (for ComeBACK trial)	Sherrington C , Hinman R, Crotty M, Hoffman T, Harvey L, Taylor N, Hassett L, Tiedemann A	2021-2022
DVCR COVID-19 support scheme	\$41,530	DVC Research COVID-19 support scheme (for OASIS trial)	Lin C , McLachlan A, Latimer J, Abdel Shaheed C and Li Q.	2021-2022
Agency for Clinical Innovation Research Grant Scheme	\$30,000	Using a rapid virtual health triage consultation and early intervention to more effectively triage and manage referrals to the RPAH Back Pain Clinic	Needs C , Martens D, Coombs D, Macahdo G, Zadro J, Maher C.	2021-2022

<i>Internal Research Tied - DVCR</i>	\$30,280			
Faculty of Medicine and Health	\$22,000	Carer re-engagement funding scheme	Pinheiro, MB.	2020-2023
Australia and New Zealand Musculoskeletal Clinical Trials Network Centre of Research Excellence Seed Funding Scheme	\$17,778	An acceptability study to inform a full-scale trial of antidepressants for people with sciatica	Ferreira GE, Abdel Shaheed C, Richards B, Lin CW, McLachlan A, Day R, Maher CG.	2021-2022
MRFF Dementia Ageing and Aged Care Mission (Stream 2, Topic B)	\$1,218,977	Active Women over 50 in rural, regional and remote areas: an effectiveness-implementation trial	Tiedemann A, Hassett L, Phongsavan P, Bauman, A, Houssami N, Howard K, Rosenbaum S, Luscombe G, Kwasnicka D, Gilchrist H, Biswas RK, McKeon G, Wallbank G.	2023-2027
The Australian Health Research Alliance (AHRA) Women's Health Research, Translation and Impact Network (WHRTN) Early and mid-career researcher funded awards	\$14,900	Barriers and enablers for referral to fall prevention exercise across osteoporosis clinics	Oliveira, J.	2021-2022

The Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network Seed Funding Research Scheme	\$20,000	Implementing supported referral to community-based fall prevention exercise into osteoporosis clinics: a co-design tailored strategy involving multiple stakeholders	Oliveira JS, Sherrington C, Tiedemann A, Richards B, Naganathan V, Seibel M, Needs C, Jennings MD, Pinheiro MB , Haynes A, Costa N, Gilchrist H, Hassett G.	2021-2022
Aged Care Research and Industry Innovation Australia	\$200,000	A physiotherapy-led telehealth and exercise intervention to improve mobility in older people receiving aged care services: a hybrid level 1 randomised controlled trial (The TOP UP Study)	Sherrington C, Dawson R, Pinheiro M, Haynes A.	2022-2023
NSW Ministry of Health + University of Sydney Spinal Cord Injury Research Grant	\$3,000,000	Early and intensive motor training (or usual care) to enhance neurological recovery and function in people with spinal cord injury: The Early & Intensive SCI-MT Trial.	Harvey L, Herbert RD, Sherrington C, Jan S, Cameron ID, Billot L, Glinsky J, Nunn A, Lui HM, Kaur J, Weber G, Treacy D, Dunlop S, Walsh J, Shetty S.	2021-2026
MRFF Keeping Australians Out of Hospital	\$897,730	Translation of best practice osteoporosis refracture prevention: stopping fragility fractures to keep Australians out of hospital	Perry L, Center J, Harris I, Clifton-Bligh R, Hassett G, Nguyen T, McInnes E, White C, Frost S.	2019-2022
MRFF Traumatic Brain Injury Mission, Stream 1	\$499,816	An informatics approach to predict outcomes and monitor intervention efficacy following moderate to severe traumatic brain injury	Fitzgerald M, Hassett L, et al. (consortium 50 Cis)	2021-2023
Ramsay Hospital Research Foundation	\$437,000	Robotic-assisted surgery and kinematic alignment in total knee arthroplasty (RASKAL study). A registry-nested, multi-centre, 2 x 2 factorial randomised trial of clinical, functional, radiographic and survivorship outcomes.	Macdessi S, Harris I, et al.	2020-2023

Sao Paulo Research Foundation (Brazil)	\$250,784	Prevalence and prognostic factors of musculoskeletal pain in children and adolescents in Sao Paulo city	Yamato T, Kamper SJ , Costa LOP, Maher CG .	2019-2023
Dementia Australia Research Foundation.	\$75,000	A physiotherapy-led telehealth intervention to improve mobility in older people with dementia	Pinheiro M , Dawson R , Rayner J, Sherrington C .	2022
HCF Research Foundation	\$164,595	'Wiser Rehabilitation' following primary elective total hip and knee replacement surgery at a private hospital	Wallis J, Harris I , et al.	2021-2024
Faculty of Medicine and Health, The University of Sydney.	\$75,000	Research Funding Uplift	Machado, G .	2022
Arthritis Australia Grant-in-Aid funding	\$20,000	A decision support tool to reduce unnecessary imaging for rotator cuff related shoulder pain	Malliaras P, Haines T, Burstein F, Zadro J .	2021-2022
SPHERE Seed Funding	\$15,000	Efficacy of pain management approaches in the subacute period following knee or hip arthroplasty	Naylor J, Harris I , et al.	2021-2022
RM Gibson Grant	\$6,900	Is dance exercise in disguise? Evaluation of the RIPE dance program for people aged 60+	Gilchrist H , Tiedemann A , Sherrington C , Haynes A , Souza de Oliveira J , Merom D.	2022-2023

