



# ANNUAL REPORT

## 2023

---



**Institute for  
Musculoskeletal  
Health**



THE UNIVERSITY OF  
**SYDNEY**



Sydney  
Local Health District





**Institute for  
Musculoskeletal  
Health**

**Optimising musculoskeletal health and physical activity**

---

# **2023 ANNUAL REPORT**

---

## **PREPARED BY**

ALEX EDMONDSON, SARA BRADY,  
HANAN MCLACHLAN AND COURTNEY WEST

## **CONTACT US**

Level 10N, King George V Building, RPA  
83/117 Missenden Road,  
Camperdown NSW 2050

PO Box M179,  
Missenden Road,  
Camperdown NSW 2050

[imh.info@sydney.edu.au](mailto:imh.info@sydney.edu.au)  
<https://www.imh.org.au>



THE UNIVERSITY OF  
**SYDNEY**



**Sydney**  
Local Health District





# TABLE OF CONTENTS

<b>01</b>	Executive Summary	5
<b>02</b>	Key Achievements	6
<b>03</b>	The IMH Team	8
<b>04</b>	Our Research	13
<b>05</b>	Awards	22
<b>06</b>	In the Media	25
<b>07</b>	Future Outlook and Goals	26
<b>08</b>	Grant Details	27
<b>09</b>	Publication Details	31



# A WORD FROM THE DIRECTOR

The Institute for Musculoskeletal Health continues to make significant advances in musculoskeletal health and physical activity research.

We are grateful for the ongoing support of our partners, and 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 to optimise musculoskeletal health and physical activity for all.



**CHRIS MAHER**

DIRECTOR, INSTITUTE FOR  
MUSCULOSKELETAL HEALTH



# EXECUTIVE SUMMARY

## Institute for Musculoskeletal Health

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

Last year, the Institute maintained strong workplace connections and fostered a culture of collaboration and support. Researchers from the Institute actively contributed to 16 Sydney Local Health District and 21 University of Sydney committees. The Institute's close partnership with the Royal Prince Alfred, Concord, Canterbury and Balmain Hospitals have enabled the continuation of several new and innovative clinical trials which provide new effective models of care for musculoskeletal health conditions within the Australian public healthcare system.



# KEY ACHIEVEMENTS

---

In 2023, the Institute for Musculoskeletal Health team:

Authored **two book chapters** and **180 publications** in peer reviewed journals, including *The Lancet*, *British Medical Journal* and *CA: A Cancer Journal for Clinicians*.

Received **42 prestigious awards** for research excellence and recognition, including the NSW Premier's Prize, RPA Foundation Medal and Prize and the University of Sydney Vice Chancellors award for Research Excellence.

Received **20 grants from the NHMRC and MRFF** to fund new clinical research.

Provided **103 presentations** at national and international conferences. **A third of the presentations were by invitation**, demonstrating the esteem of the researchers at the Institute.

Last year our research and researchers were featured in **over 780 news stories nationally and internationally** across different mediums including television, radio and print.







# 20

In 2023, researchers from the Institute were awarded 20 new MRFF and NHMRC grants to fund new clinical research.

# 180

The IMH team authored 180 publications in peer-reviewed journals and were authors of two book chapters.

# 3,794

Participants were recruited to research trials run by the IMH team last year.

# 780+

The Institute's publications and research programs were mentioned 787 times in the media.

# THE IMH TEAM

---

## EXECUTIVE TEAM



**PROF CHRIS  
MAHER AM**  
DIRECTOR



**PROF CATHIE  
SHERRINGTON**  
DEPUTY  
DIRECTOR



**DR BETHAN  
RICHARDS**  
DEPUTY  
DIRECTOR



**PROF PETER  
YOUSSEF**  
DIRECTOR OF  
COMMERCIAL  
CLINICAL TRIALS

## PROFESSORS

- Anne Tiedemann, Robinson Fellow
- Cathie Sherrington, NHMRC Investigator Fellow
- Chris Maher, NHMRC Investigator Fellow
- Christine Lin, NHMRC Investigator Fellow
- Ian Harris, Orthopaedic Surgeon
- Peter Youssef, Rheumatology Staff Specialist

## ASSOCIATE PROFESSORS

- Christina Abdel Shaheed, NHMRC Investigator Fellow
- Leanne Hassett

## POST-DOCTORAL RESEARCHERS

- Abby Haynes
  - Adrian Traeger, Robinson Fellow
  - Caitlin Jones
  - Crystian Bittencourt
  - Danielle Coombs
-



## POST-DOCTORAL RESEARCHERS CONT.

- Giovanni Ferreira, NHMRC Investigator Fellow
- Gustavo Machado, NHMRC Investigator Fellow
- Heidi Gilchrist
- Jennifer Baldwin
- Joshua Zadro, NHMRC Investigator Fellow
- Juliana Souza de Oliveira
- Marina Pinheiro, NHMRC Investigator Fellow
- Stephen Gilbert
- Sujita Narayan
- Sweekriti Sharma
- Tarcisio Folly de Campos

## COMMERCIAL CLINICAL TRIALS

- Genevieve Fong, Clinical Trials Study Coordinator
- Cor Garde-Fillarca, Commercial Clinical Trials Research Nurse
- Dorothy Fowler, Rheumatology Clinical Nurse Consultant
- Rachael Thistlewaite, Rheumatology Clinical Nurse Consultant
- Phillip Carey, Administration Officer
- Bhumika Thakkar, Operations Manager

## PROFESSIONAL STAFF

- Alexandra Edmondson, Network Manager
  - Dr Alexandra Griffin, Research Assistant
  - Betty Ramsay, Research Physiotherapist
  - Bruna de Souza Albuquerque, Research Assistant
  - Catherine Kirkham, Research Physiotherapist
  - Claire Coulter, Kitchen Attendant
  - Courtney West, Research Assistant
  - Daniel Cheung, Research Assistant
  - Eleni Grace-Black, Administration Officer
  - Geraldine Wallbank, PEDro Research Coordinator
  - Giane Caon Camara, Research Assistant
  - Hanan McLachlan, Institute Operational Manager
  - Kate Purcell, Research Coordinator
  - Lauren Cameron, Research Assistant
  - Lauren Glozier, Research Assistant
  - Lisa Vizza, Clinical Project Manager
  - Melissa Webb, Research Coordinator
  - Roslyn Savage, Research Physiotherapist
-

### PROFESSIONAL STAFF

- Sakina Chagpar, Research Physiotherapist
- Sandra O'Rourke, Senior Research Officer
- Shannon Colley, Research Assistant
- Dr Veethika Nayak, Falls Research Manager
- Vishwesh Bapat, Research Assistant

### COLLABORATIVE CLINICIAN RESEARCHERS

- Dr Christopher Needs, Senior Staff Specialist Rheumatology
- Dr Eileen Rogan, Senior Staff Specialist, Director of Medical Services
- Dr James Edwards, Senior Staff Specialist, Director of RPA Hospital Emergency Department
- Dr Matthew Parker, Staff Specialist Rheumatology
- Dr Miranda Shaw, General Manager, RPA Virtual Hospital
- Dr Owen Hutchings, Clinical Director, RPA Virtual Hospital
- Sandeep Gupta, Head of Physiotherapy, Canterbury Hospital
- Ruth Perrott, Director of Physiotherapy, Sydney Local Health District
- Wendy Tilden, Falls Prevention and Management Coordinator, Clinical Governance Nursing
- Professor Vasi Naganathan, Specialist Geriatrician
- Dr Abhishikta Dey, Staff Specialist Rheumatology
- Dr Michael Spies, Network Director of Physician Training
- Dr Ana Ananda, Head of Department, Senior Staff Specialist Rheumatology
- Dr Mona Marabani, Staff Specialist Rheumatology
- Dr Neil McGill, Staff Specialist Rheumatology
- Dr Jan Vaile, Staff Specialist Rheumatology
- Dr Angela Fu, Staff Specialist Rheumatology
- Kath Walkley, Director Clinical Governance, Mental Health
- Professor Andrew Baille, Professor of Allied Health
- Professor Jennifer Alison, Professor of Allied Health

### PHD COMPLETIONS



**DR CHRISTOPHER HAN**  
PHYSIOTHERAPIST



**DR CHANG LIU**  
ORTHOPAEDIC SURGEON



**DR AILI LANGFORD**  
PHARMACIST

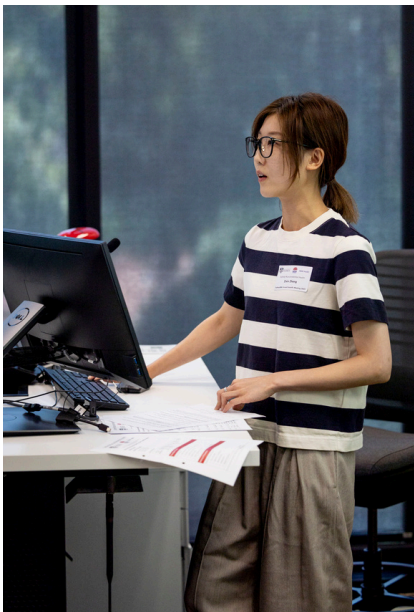
## HIGHER DEGREE RESEARCH STUDENTS

- Alla Melman, Physiotherapist
- Amanda Bates, Public Health
- Andrew Gamble, Physiotherapist
- Ashleigh Chandra, Optometrist
- Bayden McKenzie, Chiropractor
- Belinda Ying Wang, Exercise Physiology
- Catherine Cho, Rheumatologist
- Charlotte McLennan, Physiotherapist
- Chathurani Sigera, Physiotherapist
- Gemma Altinger, Public Health
- Geraldine Wallbank, Physiotherapist
- Ima Strkljevic, Physiotherapist
- Jeffery Wang, Doctor
- Jennifer Roncone, Physiotherapist
- Kerry West, Physiotherapist
- Laura Montgomery, Chiropractor
- Lisa Vizza, Exercise Physiologist
- Louise Pearce, Physiotherapist
- Melanie Hamilton, Public Health
- Min Jiat Teng, Physiotherapist
- Natasha Pocovi, Physiotherapist
- Nisha Aravind, Physiotherapist
- Nusrat Hamdani, Physiotherapist
- Priti Kharel, Public Health
- Qiuzhe Chen, Physiotherapist and Doctor
- Raewyn Campbell, Surgeon
- Reem Rendell, Physiotherapist
- Rik Dawson, Physiotherapist
- Riyass Mohamed, Physiotherapist
- Sarah Manewell, Podiatrist
- Sascha Karunaratne, Surgeon
- Simon Vella, Chiropractor
- Siobhan Wong, Physiotherapist
- Siya Zhao, Physiotherapist
- Vanessa Nguy, Exercise Physiologist,
- Venisa (Wing) Kwok, Physiotherapist
- Xavier Xu, Physiotherapist
- Zhiwei Yang, Physiotherapist
- Zixin Zhang, Physiotherapist





2023 ANNUAL REPORT - IMH TEAM





# OUR RESEARCH



The Institute for Musculoskeletal Health conducts multidisciplinary research and clinical trials within local healthcare systems and the community. Our research streams focus on Back Pain and Musculoskeletal Conditions, Physical Activity, Ageing and Disability, Evidence Dissemination and Commercial Clinical Trials. These streams bring together experts from different fields and disciplines.

Key areas of research include improving care, educating the public, testing new treatments, promoting healthy ageing, preventing falls, supporting individuals with disabilities, and enhancing evidence dissemination through initiatives like the PEDro Partnership.

In 2023, the IMH team ran 23 clinical trials, submitted 24 ethics applications, and recruited 3,794 participants for active research projects. Our Commercial Clinical Trials stream commenced in the latter half of 2023 and is exploring innovative methods for diagnosing, managing, and treating musculoskeletal diseases.

Through our partnership with Sydney Local Health District and the University of Sydney, we ensure our research is scientifically rigorous and directly applicable to clinical practice. This collaborative approach aims to enhance patient outcomes and make significant advances in healthcare.

# RESEARCH IMPACT



The Institute's Musculoskeletal Research Team published groundbreaking research on opioid use in *The Lancet*. Current clinical guidelines recommend opioids for acute low back pain only when other treatments are inappropriate or have failed. The OPAL Trial's findings challenge this practice.

**The OPAL Trial**, the world's first and largest randomised controlled trial evaluating opioids for acute back and neck pain, found that oxycodone - a commonly used opioid, was no more effective than a placebo. Specifically, oxycodone, a commonly used opioid, showed no more efficacy than a placebo for acute, non-specific

low back and neck pain of moderate to severe intensity and may lead to worse long-term outcomes.

The trial earned multiple awards last year, including the Vice Chancellor's Award for Research Excellence, FMH's Outstanding Research Award, and Sydney Research's Research Excellence Award for Best Publication. It was also listed on watch lists for several prestigious journals, including the *New England Journal of Medicine*, *Nature Medicine*, and *Annals of Medicine and Surgery*. Following this publication, the trial's first author, Dr. Caitlin Jones, was a finalist for the Griffith Discovery Award.



# RESEARCH IMPACT



Members of the Institute for Musculoskeletal Health's Fall Prevention Research team, including Prof Anne Tiedemann, Prof Cathie Sherrington, and Dr Marina Pinheiro, contributed significantly to the **Clinical Excellence Commission's Fall Prevention in NSW White Paper**. Addressing the high cost and trauma of falls, the paper highlights local solutions in NSW and offers nine crucial recommendations for policymakers. Falls are the leading cause of hospital presentations and the most costly injury for those over 65, resulting in around 27,000 hospitalisations and over 400 deaths annually in NSW, with a \$1 billion cost to the healthcare system each year.

With one in three seniors experiencing falls annually, and even

higher rates in aged care facilities and hospitals — the White Paper has the potential to change practice and influence policymakers to prioritise this critical public health issue.

In addition, last year, a team led by Prof Cathie Sherrington received a \$1 million NHMRC partnership grant for the project: Quality Coaching to Implement a Hospital Fall Prevention Strategy. This project will assess whether a quality coaching approach enhances the implementation and effectiveness of falls prevention initiatives in hospital wards. It aims to expand upon existing evidence suggesting that successful interventions for preventing falls in hospitals revolve around educating and empowering both patients and ward staff.

# RESEARCH PROJECTS



The **ComeBACK trial** investigates the impact of health coaching versus motivational text messages on the physical activity levels of adults with self-reported walking difficulties. This trial started recruitment prior to the Covid-19 pandemic.

The team's ability to adapt their trial recruitment and health coaching support during the pandemic and dedication to research dissemination, earned them the Makers and Shapers award for Research Support Excellence from the Faculty of Medicine and Health. Results from this trial are still being analysed, however participant feedback has been overwhelmingly positive, with many participants

sending in cards expressing how the trial has positively impacted their lives and helped them achieve their goals.

“I would not have thought of doing any of this without your guidance, skill and encouragement. My life has changed in a wonderful way which I could not have imagined.”

These testimonials serve as a reminder of the significance of these interventions in creating positive change and improving people's quality of life. The trial is expecting to finish data cleaning and analysis in 2024, with results being published early 2025.

# RESEARCH PROJECTS



Low back pain was the fifth most common reason for an emergency department visit in Australia in 2020–21, with over 145,000 presentations. To address this, the Back@Home project, a virtual hospital model of care, was launched in February 2023 to reduce hospitalisation and ED representation.

Dr Gustavo Machado developed this service, inspired by RPA Virtual's establishment in early 2020. **The Back@Home trial** tests the feasibility, safety, acceptability, and sustainability of this model for back pain patients. The Back@Home virtual hospital care program offers patients access to daily virtual physician consults, a 24/7

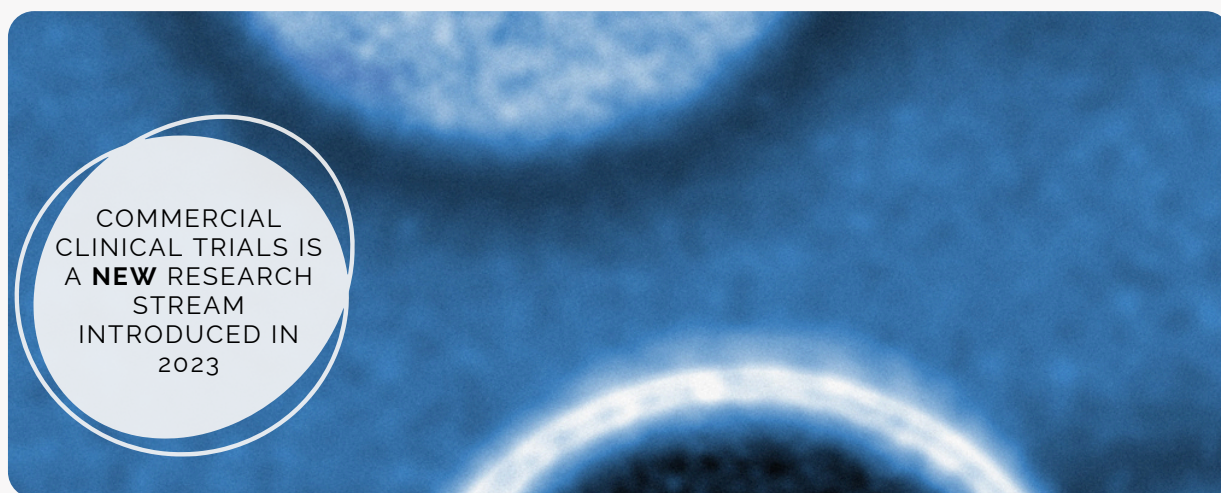
nurse-run call centre, virtual physiotherapy, PhysiTrack (an online exercise platform), activity trackers, and disposable heat packs delivered to patients' homes.

To facilitate implementation the trial provided 13 training sessions to 238 clinicians across three hospital sites, performed audits, feedback, and gave lanyards to clinicians with the inclusion criteria for the program.

Data collection is ongoing, with 12-month outcomes to be analysed early 2025. Preliminary evaluations indicate that Back@Home is a feasible solution for reducing hospitalisation for non-serious back pain.



# COMMERCIAL CLINICAL TRIALS



In 2023, the Institute for Musculoskeletal Health took a significant step forward by expanding its primary research streams to include **Commercial Clinical Trials**. With a focus on advancing medicine by opening up access to the latest treatment options through clinical trials, rheumatology patients are able to benefit from access to new and emerging therapies. Linking with existing large-scale trials, this initiative aims to improve the availability of new treatments, thereby broadening patient care options, enhancing patient satisfaction and empowering patients to take a more active role in their care. To lead this important new research stream, the Institute appointed **Professor Peter Youssef** as the Director of Commercial Clinical Trials.

In a short amount of time the Commercial Clinical Trials stream has made notable progress. Partnering with the **RPAH rheumatology department** they have successfully pre-screened eleven candidates for two pivotal international studies. One study is looking at the efficacy and safety of Litifilimab for treating Systemic Lupus Erythematosus (SLE) and the other on early and sustained pain control in patients with Axial Spondyloarthritis.

The Commercial Clinical Trials team aims to make a significant impact on the field of rheumatology and musculoskeletal healthcare, driving forward the development of new therapies and improving outcomes for patients around the world.

---

# COMMERCIAL CLINICAL TRIALS

11

*Patients  
prescreened*


2

*Trials  
commenced*

## TOPAZ-1

A STUDY TO LEARN ABOUT THE SAFETY OF LITIFILIMAB INJECTIONS AND WHETHER THEY CAN IMPROVE SYMPTOMS OF SYSTEMIC LUPUS ERYTHEMATOSUS

SPONSOR:  **Biogen**

 = 6

**Study design:** Multicenter, randomised, double-blind, placebo-controlled Phase 3 study recruiting 540 participants.


**Background:** Litifilimab is a monoclonal antibody designed to bind to and downregulate interferons—key culprits in Systemic Lupus Erythematosus (SLE).

**Purpose:** Evaluating the efficacy and safety of Litifilimab and determine whether this can effectively reduce SLE symptoms.

## UPSTAND

A STUDY OF THE CHANGE IN EARLY AND SUSTAINED PAIN CONTROL IN AXIAL SPONDYLARTHROSIS IN ADULT PARTICIPANTS RECEIVING UPADACITINIB

SPONSOR:  **abbvie**

 = 5

**Study design:** Prospective observational, cohort study recruiting 650 adult participants from 19 countries across Europe, North America, South America, and Asia-Pacific.

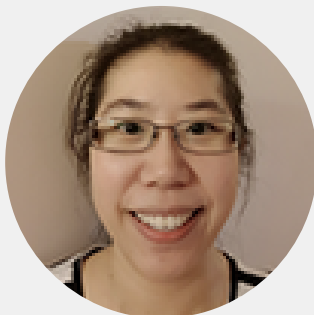
**Background:** Upadacitinib is a JAK inhibitor disease-modifying anti-rheumatic drug that reduces the activity of enzymes, which are known to cause inflammation and joint damage.

**Purpose:** To achieve early pain control in patients with Axial Spondyloarthritis who have been prescribed upadacitinib.

## THE COMMERCIAL CLINICAL TRIALS TEAM



**Peter Youssef**



**Genevieve Fong**



**Cor Garde-Fillarca**

Professor Peter Youssef is a senior staff specialist at RPA and Professor of Rheumatology at the University of Sydney. He brings extensive clinical experience and an impressive track record to the role. His passion for precision medicine and improving musculoskeletal disease care, positions him as a leader in this field. Peter has served as the rheumatology sub-editor of the Internal Medicine Journal from 2007 and is a member of the scientific advisory board of OPAL, a leading rheumatology research consortium.

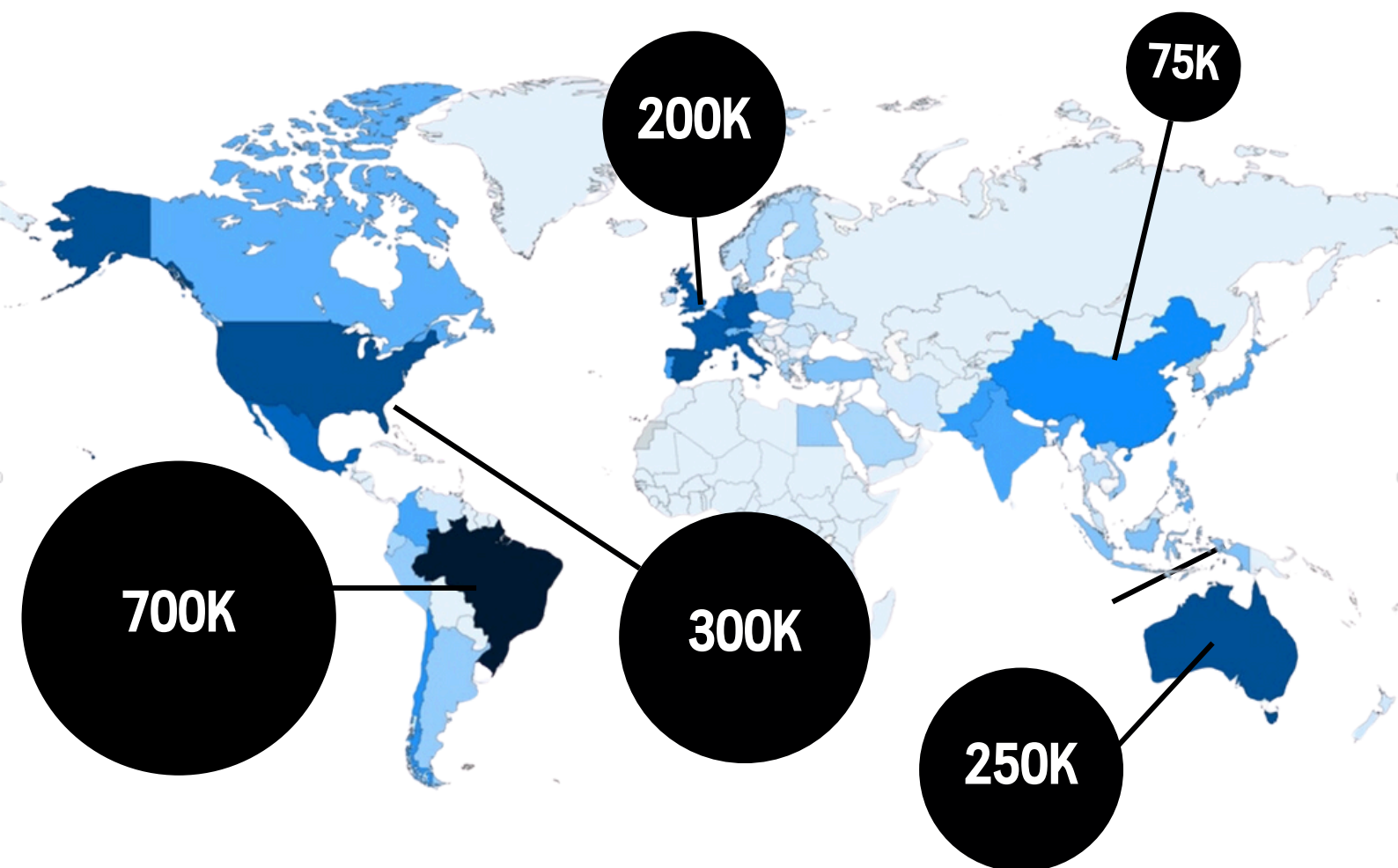
Ms Genevieve Fong is a long-standing Clinical Trials Study Coordinator. She has extensive experience integrating clinical trials within local health districts and considerable knowledge of various systems and regulatory frameworks. Genevieve enables the team to meet the diverse needs and requirements of different study protocols. Including adhering to international regulations, quality and safety standards, local site governance processes, ethics, policies, and procedures.

Ms Cor Garde-Fillarca joined the Commercial Clinical Trials team in late 2023. She is the Institute's first Commercial Clinical Trials Research Nurse. This newly created position helped to strengthen the team by enhancing the teams capability to recruit patients and deliver interventional treatments. This allows the team to participate in more clinical trials. Cor brings a wealth of experience to this role, she has a background in clinical nursing and previous experience working in clinical research trials.

---



# PEDRO: A GLOBAL VIEW



**PEDro's mission is to improve healthcare by providing tools to integrate evidence-based practice in clinical care.**

The Physiotherapy Evidence Database (commonly referred to as 'PEDro') provides clinicians from around the globe with rapid access to high-quality clinical research. The PEDro database is a free database which reviews and rates the methodological quality of over 61,000 trials, reviews and guidelines related to physiotherapy practice and is managed by the Institute for Musculoskeletal Health. The heat map above demonstrates the number of searches in 2023 from each country around the world.

# AWARDS

---



## **Professor Cathie Sherrington** NSW Premiers Prize for Science and Engineering

Deputy Director, Professor Cathie Sherrington was the recipient of the Excellence in Medical Biological Sciences for her pioneering work in fall prevention and enhancement of physical activity in older people.

## **Dr Bethan Richards** Finalist, NSW Health Staff Member of the Year

Dr Bethan Richards, Deputy Director of the Institute, Australia's first Chief Medical Wellness Officer, Director of MDOK and Senior Staff Specialist was one of three finalists for this prestigious award.

Bethan's commitment to excellence and leadership, have not only earned her this deserving acknowledgment but highlights her exceptional talent and dedication to advancing the health, wellbeing and care of staff, students and patients across New South Wales.



## **Professor Chris Maher** 2023 RPA Foundation Research Medal

Professor Chris Maher won the 2023 RPA Foundation Research Medal and prize in recognition of his contributions to RPA hospital. This is the first time the Medal has been awarded to an allied health professional across the Health District. Chris has said the prize money will go towards his research with RPA Virtual, which aims to identify factors that influence the effectiveness of Telehealth.

---



# AWARDS

---

## Professor Christine Lin

### Research Supervisor Award

Professor Christine Lin was the recipient of Sydney Research's Research Supervisor Award. Additionally, as the lead Chief Investigator on the OPAL trial, she was also awarded the Research Excellence Award for the Best Publication of 2023.



## Dr Gustavo Machado

### Highly Commended, Health Services Research Award

Dr Gustavo Machado was Highly Commended at the Health Services Research Award for his research on emergency department care for people with back pain. His work has led to the implementation of strategies in emergency departments, resulting in a significant reduction in opioids. Additionally, he developed a virtual hospital model of care in partnership with RPA Virtual Hospital, known as Back@Home, to decrease back pain admissions.

## A/Prof Christina Abdel Shaheed

### Consumer Involvement in Health Research Award

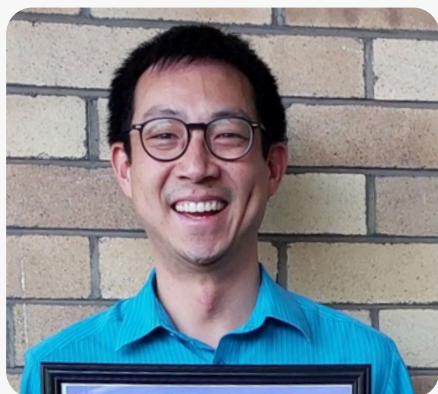
Associate Professor Christina Abdel Shaheed received the 2023 Sydney Health Partners Award for her outstanding efforts in integrating consumers into health research. She was recognised for her proactive research practices that advance healthcare through inclusive and collaborative approaches involving healthcare consumers.

---



# AWARDS

---



## **Min Jiat Teng, HDR Candidate**

RPA Virtual Hospital's inaugural  
Researcher of the Year

Clinician Researcher Min Jiat Teng received RPA Virtual Hospital's inaugural Researcher of the Year 2023. He thanked the hospital for having the vision to embed research into routine clinical care, and supporting clinicians to follow their passion, especially in this emerging healthcare setting.

## **Dr Sujita Narayan**

Early Achievement Award for Women, ASCEPT

Dr Sujita Narayan was awarded the prestigious 2023 Early Achievement Award for Women by Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists. This award recognises her research contributions as a pharmacologist and toxicologist and signifies her early success as a talented women within the pharmacology and toxicology field.



## **Belinda Wang, HDR Candidate**

Best Oral Presentation, Sydney Musculoskeletal  
Health ASM



Sydney Musculoskeletal Health held their annual scientific meeting at the University of Sydney. The Institute for Musculoskeletal Health is part of the Sydney Musculoskeletal Health flagship and we had a number of staff present their work during the meeting. This included professional staff, PhD students, EMC researchers, and professoriate staff. Belinda Wang was awarded 'Best Oral Presentation' for her speech on the day.

---



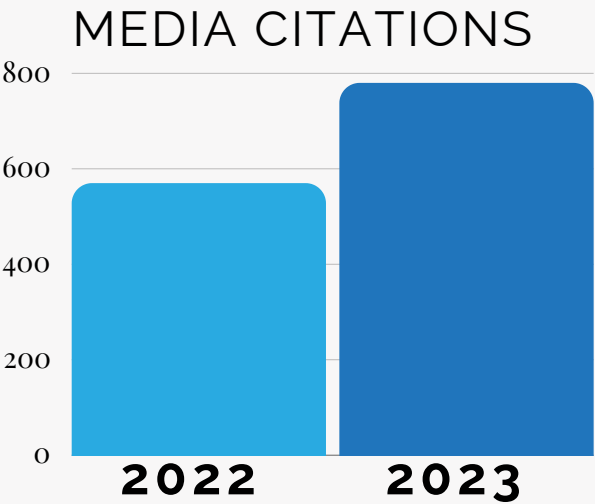
# IN THE MEDIA

780

*Media mentions*  
generated from the  
Institute's 2023 publications

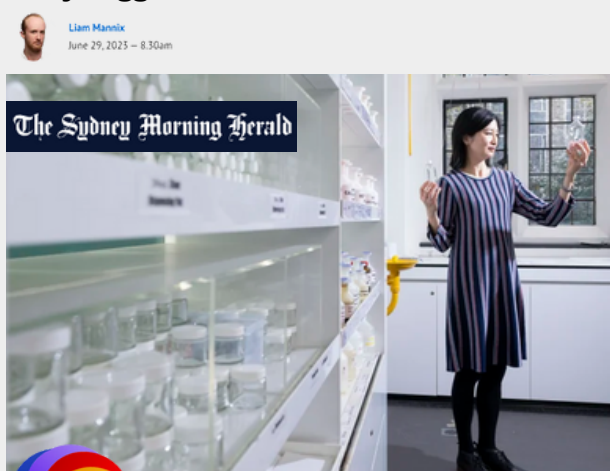
35%

*Growth*  
a 35% rise in media mentions  
compared to 2022



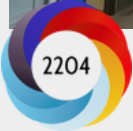
39 PUBLICATIONS  
FROM 2023 RANKED  
IN THE **TOP 5% OF**  
**ALL ALTMETRIC**  
SCORES

Opiods are a go-to for back pain but a new study suggests some don't work



Altmetric score: 2455

Antidepressants aren't effective for treating chronic pain, University of Sydney study finds



Altmetric score: 2204



# Future Outlook and Goals

“

The next five years promises to be an exciting period at the Institute. The new research funding and staff we have secured in 2023 will position us well for even greater research impact in the coming years.

We plan to build new partnerships with the clinical areas at the District that we are yet to work with; and strengthen the existing collaborations that have been central to our success.

We would like to thank Dr Teresa Anderson for her support and friendship over many years and we wish her the very best in her new role.

”

**Director, Professor Christopher Maher**





# 2023 GRANT DETAILS

# GRANTS

Granting Body	Awardees	Project Title	Grant total	Years	Status
MRFF	Zadro JR, Ackerman I, Anderson D, Buchbinder R, Coombs D, Harris IA, Harvey L, Machado G, Maher CG, Mathieson S, Richards B, Abdel Shaheed C, Shaw T, Swain M, Traeger A	Restructuring musculoskeletal health services to ensure equitable access to effective, affordable allied health care	\$1,491,473	2023-2027	New - Awarded in 2023
MRFF	Said C, Batchelor F, Callisaya M, Vogrin S, Klaic M, McDonald C, Ramage E, Engel L, Zanker J, Lim W, Francis J (CIs), Bicknell E, Chudecka A, Brijnath B, Bongiovanni L, Cursio-Barcham R, Mastrantuono D, Pinheiro MB, Sherrington C (AIs)	Implementation and evaluation of a co-designed exercise program to reduce falls in older people from culturally and linguistically diverse communities	\$1,498,604	2023 - 2026	New - Awarded in 2023
MRFF	McAuley J, Rizzo R, Moseley L, Williams C, Traeger A, Cashin A, Maher C, Goodall S, Machado G, Gustin S, Sharpe L, Byambasuren O, McCaffery K, Yoong S	The NOTUS trial (NOn-pharmacological Treatment for chronic low back pain USing digital health technology)	\$1,610,000	2023-2027	New - Awarded in 2023
MRFF	Redfern J, Jackson D, Sherrington C, Gallagher R, Hure A, Partridge S, Baile A, Chan R, Ferguson C, Sarkies M, Hyun K (CIs).	Adoption, impact and sustainability of evidence-based practice into health care: Co-design and evaluation of projects, systems and processes	\$299,954	2023-2028	New - Awarded in 2023
MRFF	Said C, Batchelor F, Callisaya M, Vogrin S, Klaic M, McDonald C, Brijnath B, Ramage E, Engel L, Pinheiro MB, Lim W (CIs), Bicknell E, Francis J, Chudecka A, Bongiovanni L, Cursio-Barcham R, Zanker J (AIs)	Implementation of a co-designed, community led exercise program to reduce falls in older people from culturally and linguistically diverse communities: a pilot trial	\$587,000	2023-2027	New - Awarded in 2023
MRFF	CI: Penm J, Naylor J, Patanwala A, Lintzeris N, Moles R, Chaar 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, Gnjdic D, Luckie K, Mathieson S, Genel F, Lin C.	Responsible pre-operative Opioid use for Hip and knee ArthroLasTy (OpioidHALT) Study: Opioid tapering in patients prior to hip and knee arthroplasty	\$1,479,940	2023-2027	New - Awarded in 2023
MRFF	Cashin A, Bagg M, Ferreira M, Haynes A, Leake H, Machado G, Maher C, McAuley J, Moseley L, Sharma S, Stanton N, Traeger A, Wand B, Williams C, Yoong S	RESOLVE-D: Implementing new and effective treatments for low back pain	\$2,000,000	2023-2028	New - Awarded in 2023
MRFF	Jones M, Stamatakis E, McAuley J, Schutte A, Moseley L, Refshauge K, Smith L, Williams C, Traeger A, Parmenter B, Cashin A, Ferreira M, Peters R, Goodall S.	CAPACITY: A telehealth, effectiveness-implementation hybrid trial to increase physical activity in adults with chronic low back pain	\$1,384,136	2023-2026	New - Awarded in 2023
MRFF	Tiedemann A, Sherrington C, Hassett L, Phongsavan P, Haynes A, Pinheiro MB, Kwasnicka D, Houssami N, Rosenbaum S, Wallbank G (CIs). McKeon G, Howard K, Linney S, Stabback T, Bauman A, Biswas RK (AIs).	Active Women over 50: an effectiveness-implementation randomised controlled trial	\$1,217,997	2023-2026	New - Awarded in 2023
MRFF	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 (CIs). Sherrington C, Haynes A, Pinheiro MB, Stabback T, Haufort K, Linney S (AIs).	Active Women over 50 in rural, regional and remote areas: an effectiveness-implementation trial	\$1,218,977	2023-2027	New - Awarded in 2023
MRFF	Adie S, Ferreira GE, Zadro JR, Harris IA, Ackerman I, Dear B, Maher CG, Smith P, Naylor J, Richards B, Vertullo C, McAuliffe M, Lewis P, Cameron I	Early Pain Intervention after Knee replacement (EPIK)	\$1,467,745	2023-2028	New - Awarded in 2023
MRFF	Williams C, Beard D, Passey M, Flood V, Kamper S, Randall S, Maher C, Buchbinder R, McAuley J, Yoong S, Bailie J, Cashin A, Bailie R, McLennan V, Hamiduzzaman M	Healthy Back: building capacity and safe access to integrated primary care support options for people living in rural areas - with chronic back pain and healthy lifestyle risks.	\$1,985,396	2024-2029	New - Awarded in 2023
NHMRC	Tiedemann A, McKay H, Sherrington C, Hassett L, Wolfenden L, Bauman A, Phongsavan P, Smith B, Oliveira JS, Kite J (CIs). Prakash A, Mackey D, Sims Gould J, Brady B (AIs)	Choose to Move Sydney	\$1,212,853	2023-2027	New - Awarded in 2023
NHMRC	Abdel Shaheed, C.	Optimising the quality use of medicines for pain	\$1,561,327	2023-2028	New - Awarded in 2023
NHMRC	Sherrington, C.	Falls and mobility impairment: generating and testing equitable solutions to implement and scale-up	\$2,953,040	2023-2028	New - Awarded in 2023
NHMRC	Machado, G.	Reshaping the management of musculoskeletal pain	\$1,586,190	2024-2029	New - Awarded in 2023
NHMRC	Sherrington C, Naganathan V, Richards B, Hallahan A, Heppleston E, Jennings M, Jackson D, Ni Chroinin D, Hill A-M, Haines T (CIs), Tilden W, Biswas RK, Haynes A, Hassett L, Howard K, Pinheiro MB, Macpherson A, Chasle B, Lovitt L, Rayner J (AIs). Sydney Local Health District, South Western Sydney Local Health District, Clinical Excellence Commission (Partner Organisations)	Quality coaching to implement a hospital fall prevention strategy: intervention development and evaluation in a stepped wedge trial	\$979,506	2023-2026	New - Awarded in 2023
NHMRC	Ferreira GE, Maher CG, Lin CC, Billot L, Day R, Ivers R, Underwood M, McLachlan A, Richards B, Finnerup N.	DREAM: An adaptive placebo-controlled trial of duloxetine for the treatment of chronic sciatica	\$1,804,701	2023-2029	New - Awarded in 2023
NHMRC	Sterling M, Lin C	PRioRTi: PReventing chronic pain after whiplash Road Traffic Injury	\$2,035,692	2023-2027	New - Awarded in 2023
NHMRC	Davis J, Harris I, Peel T, . et al.	ROADMAP: RandOmisedArthroplasty infection worlDwide Multidomain Adaptive Platform trial	\$4,744,165	2023-2027	New - Awarded in 2023
Physiotherapy Research Foundation	Gilchrist, H.	Acceptability and feasibility of the RIPE dance program for preventing falls in people aged 65+: a pilot trial.	\$12,000	2023-2024	New - Awarded in 2023
University of Sydney	Pinheiro M, Tiedemann A, Sherrington C, Zadro, J, Abdel Shaheed, C, Ferreira, G, Kamper, S, Traeger, A.	Rewarding Research Success - Covid 19 Recovery Support	\$375,000	2023	New - Awarded in 2023
USYD - DVCR	Traeger, A.	Improving public understanding and reducing unnecessary care for low back pain	\$389,674	2023-2026	New - Awarded in 2023
USYD - DVCR	Zadro, J.	Can e-Health improve equitable access to effective, affordable musculoskeletal healthcare?	\$143,000	2023-2026	New - Awarded in 2023

Granting Body	Awardees	Project Title	Grant total	Years	Status
AAG Research Trust	Gilchrist H, Tiedemann A, Sherrington C, Haynes A, Souza de Oliveira J, Merom D.	Is dance exercise in disguise? An impact evaluation of the RIPE dance program targeting fall prevention and wellbeing.	\$6,900	2022-2024	Existing - Ongoing in 2023
ARIA	Sherrington, C.	Improving mobility in aged care with telehealth physiotherapy: an effectiveness and	\$160,000	2022-2023	Existing - Ongoing in 2023
Demetia Australia Research Foundation	Pinheiro MB, Dawson R	A physiotherapy-led telehealth and exercise intervention to improve mobility in older people receiving aged care services: an effectiveness and implementation randomised controlled trial (The TOP UP Study)	\$75,000	2022-2024	Existing - Ongoing in 2023
FMH	Traeger, A.	FMH EMCR Next Step funding scheme	\$40,000	2022-2023	Existing - Ongoing in 2023
HCF Research Foundation	Gustavo Machado, Chris Maher, Rachelle Buchbinder, Ian Harris, Chris Needs, Bethan Richards, Miranda Shaw, Owen Hutchings, Cassandra Dearing, James Edwards, Eileen Rogan, Danielle Coombs, Min Jiat Teng, Rachael Dodd, Narcyz Ghinea	Optimising outcomes for patients with back pain by preventing hospital admission	\$315,764	2021-2025	Existing - Ongoing in 2023
HCF Research Foundation	Wallis J, Harris I, et al.	'Wiser Rehabilitation' following primary elective total hip and knee replacement surgery at a private hospital	\$164,595	2021-2024	Existing - Ongoing in 2023
HCF Research Foundation	Malliaras P, Harris I, et al.	Telehealth management of shoulder pain	\$201,000	2021-2024	Existing - Ongoing in 2023
Icare NSW	Pili, Hassett, Simpson	Trial of gamification using non-immersive VR on physical therapy following Traumatic Brain Injury (TBI)	\$58,880	2022-2023	Existing - Ongoing in 2023
MRFF	Fitzgerald M, Hassett L, et al.	An informatics approach to predict outcomes and monitor intervention efficacy following moderate to severe traumatic brain injury	\$499,816	2021-2023	Existing - Ongoing in 2023
MRFF	Said C, Batchelor F, Callisaya M, Ramage E, Duque G, Klaic M, Brijnath B, Engel L, McDonald C (CIs), Francis J, Bongiovanni L, Chudecka A, Pinheiro MB, Vogrin S, Bicknell E, Sherrington C (Als).	Implementation of a co-designed exercise and fall prevention program for older people from CALD backgrounds.	\$2,243,619	2022-2023	Existing - Ongoing in 2023
MRFF	Fitzgerald M, Hassett L, et al.	AUS-mTBI: designing and implementing the health informatics approaches to enhance treatment and care for people with mild TBI.	\$2,999,658	2021-2026	Existing - Ongoing in 2023
MRFF	Jorm L, Harris I, et al	Next-gen clinical registries: common data models, AI & cloud computing	\$2,645,724	2023-2027	Existing - Ongoing in 2023
MRFF	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.	From injury to long-term physical activity for people living with traumatic brain injury	\$406,506	2021-2023	Existing - Ongoing in 2023
MRFF	Reedman S, Sakzewski L, Oftedal S, Armstrong E, Ahmadi M, Burgess A, Blake T, Keramat SA, Dutia I, Pool D (CIs), Boyd R, Trost S, Peterson M, Beckman E, Sherrington C, Comans T, Ware R, McKenzie A, Munns C, Bell K (Als).	Running for Health: community-based adaptive exercise for cardiorespiratory health in young people with moderate to severe cerebral palsy 2021	\$784,346	2021-2025	Existing - Ongoing in 2023
MRFF	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, Hutchings O, Dinh M, Alkhouri H, Goldsmith H, Anderson T, Smiles JP, Lau G, Richards B, Melman A, Coombs D.	Reshaping the management of low back pain in emergency departments	\$2,818,124	2022-2026	Existing - Ongoing in 2023
NHMRC	Maher, C.	Delivering the right care for low back pain	\$2,514,215	2021-2025	Existing - Ongoing in 2023
NHMRC	Lin, C.	Improving pain management in primary care	\$1,000,105	2021-2025	Existing - Ongoing in 2023
NHMRC	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.	PROMOTE: 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	\$480,078	2020-2023	Existing - Ongoing in 2023
NHMRC	Traeger A, Maher C, Cullen L, McCaffery K, Linder J, Buchbinder R, Coeira E, Howard K.	NUDG-ED: Trial of behavioural 'nudging' interventions to reduce unnecessary care for low back pain in the Emergency Department	\$1,119,327	2022-2025	Existing - Ongoing in 2023
NHMRC	Ferreira, GE.	Improving back pain care in Australia	\$650,740	2022-2026	Existing - Ongoing in 2023
NHMRC	McCaffery K, Barratt A, Bell K, Houssami N, Irwig L, McGeechan K, Maher C	Wiser Healthcare: better value care for all Australians	\$2,500,000	2022-2026	Existing - Ongoing in 2023
NHMRC	Close J, Harvey L, Harris I, Mitchell R.	Identifying and addressing unwarranted clinical variation in hip fracture care to improve health outcomes	\$799,254	2019-2023	Existing - Ongoing in 2023
NHMRC	Page R, Harris I et al.	RAPSODI - Reverse or Anatomical (replacement) for Painful Shoulder Osteoarthritis: Differences between Interventions	\$1,540,874	2022-2026	Existing - Ongoing in 2023

Granting Body	Awardees	Project Title	Grant total	Years	Status
NHMRC	Pinheiro MB	Physical Activity for Healthy Ageing: Cost Effectiveness and Implementation	\$327,192	2019-2024	Existing - Ongoing in 2023
NHMRC	Maher C, Buchbinder R, Hancock M, O'Sullivan P, McAuley J, Blyth F, Jorm L, Collie A, McCaffery K, Hayes A	Low back pain Centre for Research Excellence	\$2,499,190	2020-2023	Existing - Ongoing in 2023
NHMRC	Ferreira P, Ferreira M, Bauman A, Hodges P, Maher C, Simic M, Morton R, Lonsdale C, Li Q, Baysari M, Amorim A, Cepnja D, Clavisi O, Halliday M, Herbert R, Ho E, Jennings M, Kongsted A, Maka K, Reid K.	The Get Healthy Coaching Service to reduce the burden of low back pain: effectiveness, cost effectiveness, and scalability	\$1,108,389	2020-2024	Existing - Ongoing in 2023
NHMRC	Kurrie S, Crotty M, Cameron ID, Sherrington C, Pond D, Nguyen TA, Laver, K Howard K	FORTRESS (Frailty in Older people: Rehabilitation Treatment Research Examining Separate Settings)	\$1,470,000	2020-2023	Existing - Ongoing in 2023
NHMRC	Zadro, J.	Can E-health improve access to effective and affordable health care for musculoskeletal conditons?	\$645,205	2021-2025	Existing - Ongoing in 2023
NHMRC	Sherrington, C, Lord, S, Crotty, M, Haines, T, Byles, J, Seibel, M, Cameron, I, Close, J, Howard, K, bauman, A.	Centre of Research Excellence in the Prevention of Fall-related Injuries	\$2,500,000	2020-2025	Existing - Ongoing in 2023
NHMRC	Abdel Shaheed C, Maher C, McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R.	COMFORT: Clinical, Observation, Management, and Function Of low back pain Relief Therapies	\$2,352,236	2021-2027	Existing - Ongoing in 2023
NHMRC	Sherrington C, Hassett L, Tiedemann A, Harvey L, Pinheiro M, Howard K, Phongsavan P, Haynes A, Noetel M, Reece L, Als: Bauman A, Lonsdale C, Smith B, Clutterbuck G, Treacy D, Dwyer G, West K.	Promotion of evidence-based physical activity for older adults and people with disabilities by health professionals	\$1,440,375	2021-2025	Existing - Ongoing in 2023
NHMRC	Buchbinder R, Maher C, Hinman R, Harris I, March L, McAuley J, Ferreira M, Hodges P, O'Connor D, Billot L.	ANZMUSC CRE (2022-2026)	\$2,500,000	2022-2026	Existing - Ongoing in 2023
NHMRC	Abdel Shaheed C, Maher C, McLachlan A, Blyth F, Degenhardt L, Ivers R, Lung T, Kelly P, Stanaway F, Thompson R.	IMPLORE - Implementing an opioid stewardship intervention to reduce opioid use	\$2,352,236	2021-2026	Existing - Ongoing in 2023
NHMRC	Morton R, Rutherford C, Mercieca-Bebber R, Martin A, King M, Harris I et al	Strengthening Healthcare Systems with Patient Reported Outcome Measures (PROMs)	\$1,166,592	2022-2026	Existing - Ongoing in 2023
NSW Ministry of Health + University of Sydney	Harvey L, Herbert RD, Sherrington C, Jan S, Cameron ID, Bilot L, Glinsky J, Nunn A, Lui HM, Kaur J, Weber G, Treacy D, Dunlop S, Walsh J, Shetty S.	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.	\$3,000,000	2021-2026	Existing - Ongoing in 2023
Ramsay Hospital Research Foundation	Macdessi S, Harris I, et al.	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.	\$437,000	2020-2023	Existing - Ongoing in 2023
Sao Paulo Research Foundation (Brazil)	Yamato T, Kamper SJ, Costa LOP, Maher CG	Prevalence and prognostic factors of musculoskeletal pain in children and adolescents in Sao Paulo city	\$250,784	2019-2023	Existing - Ongoing in 2023
SLHD	Sherrington, C.	Sydney Musculoskeletal Clinical Academic Group	\$100,000	2022-2024	Existing - Ongoing in 2023
SLHD	Maher C, Richards B, Chen Q	Wellbeing Research Initiative	\$46,756	2022-2023	Existing - Ongoing in 2023
The University of Sydney	Pinheiro MB	Carer re-engagement funding scheme	\$22,000	2020-2023	Existing - Ongoing in 2023
USYD - DVCR	Pinheiro MB	Physical Activity for Healthy Ageing: Cost Effectiveness and Implementation	\$30,720	2019-2024	Existing - Ongoing in 2023
USYD - DVCR	Maher C, Buchbinder R, Hancock M, O'Sullivan P, McAuley J, Blyth F, Jorm L, Collie A, McCaffery K, Hayes A	Low back pain Centre for Research Excellence	\$250,000	2020-2023	Existing - Ongoing in 2023
USYD - DVCR	Tiedemann A	Physical activity for preventing falls and maximising health in middle to older age: development and evaluation of scalable approaches	\$621,202	2020-2024	Existing - Ongoing in 2023
USYD - DVCR	Sherrington, C, Lord, S, Crotty, M, Haines, T, Byles, J, Seibel, M, Cameron, I, Close, J, Howard, K, Bauman, A.	Centre of Research Excellence in the Prevention of Fall-related Injuries	\$250,000	2020-2025	Existing - Ongoing in 2023
USYD - DVCR	Abdel Shaheed, C	SOAR Scholarship	\$150,000	2021-2023	Existing - Ongoing in 2023
USYD - Faculty	De Barros Pinheiro M	Physical Activity for Healthy Ageing: Cost Effectiveness and Implementation	\$255,823	2019-2024	Existing - Ongoing in 2023
USYD - Faculty	Tiedemann A	Physical activity for preventing falls and maximising health in middle to older age: development and evaluation of scalable approaches	\$353,995	2020-2024	Existing - Ongoing in 2023
USYD - Faculty	Sherrington, C, Lord, S, Crotty, M, Haines, T, Byles, J, Seibel, M, Cameron, I, Close, J, Howard, K, Bauman, A.	Centre of Research Excellence in the Prevention of Fall-related Injuries	\$250,000	2020-2025	Existing - Ongoing in 2023

**2023 PUBLICATION  
AND BOOK CHAPTER  
DETAILS**



# PUBLICATIONS

1. **Abdel Shaheed C**, Hayes C, **Maher CG**, Ballantyne JC, Underwood M, McLachlan AJ, Martin JH, **Narayan SW**, & Sidhom MA. Opioid analgesics for nociceptive cancer pain: A comprehensive review. *CA: A Cancer Journal for Clinicians* 2023; 1-28. <https://doi.org/10.3322/caac.21823>
2. **Abdel Shaheed C**, Ivers R, **Vizza L**, McLachlan A, Kelly PJ, Blyth F, Stanaway F, Clare PJ, Thompson R, Lung T, Degenhardt L, Reid S, Martin B, Wright M, Osman R, French S, McCaffery K, Campbell G, Jenkins H, **Mathieson S**, Boogs M, McMaugh J, Bennett C & **Maher C**. Clinical Observation, Management and Function Of low back pain Relief Therapies (COMFORT): A cluster randomised controlled trial protocol. *BMJ Open* 2023; 13(11), e075286. <https://doi.org/10.1136/bmjopen-2023-075286>
3. **Abdel Shaheed C**, **Mathieson S**, Wilson R, Furmage AM, & **Maher CG**. (2023). Who should judge treatment effects as unimportant? *Journal of Physiotherapy* 2023; 69(3), 133-135. <https://doi.org/10.1016/j.jphys.2023.04.001>
4. **Harris IA**, Ackerman IN, Berkovic D, Soh SE, Naylor J, Lewis P, de Steiger R, Buchbinder R, Ademi Z, Vallance P & **Harris IA**. Stakeholder perspectives on short-stay joint replacement programs: results from a national cross-sectional study. *BMC Health Services Research* 2023; 23(1), 1436. <https://doi.org/10.1186/s12913-023-10427-5>
5. Aggarwal A, Adie S, **Harris IA** & Naylor J. Cryotherapy following total knee replacement. *Cochrane Database of Systematic Reviews* 2023, 9(9), CD007911. <https://doi.org/10.1002/14651858.CD007911.pub3>
6. Ahern S, Marshall S, **Wallbank G**, Jawad D, Taki S, Baur LA & Wen LM. Communication strategies and effectiveness of early childhood obesity-related prevention programs for linguistically diverse communities: A rapid review. *Obesity Reviews* 2023, 24(12), e13634. <https://doi.org/10.1111/obr.13634>
7. Almeida MO, Narciso Garcia A, Menezes Costa LC, van Tulder MW, **Lin CC** & Machado LA. The McKenzie method for (sub)acute non-specific low back pain. *Cochrane Database of Systematic Reviews* 2023, 4(4), CD009711. <https://doi.org/10.1002/14651858.CD009711.pub2>
8. Ambrens M, Stanners M, Valenzuela T, Razee H, Chow J, van Schooten KS, Close JCT, Clemson L, Zijlstra GAR, Lord SR, **Tiedemann A**, Alley SJ, Vandelanotte C & Delbaere K. Exploring Older Adults' Experiences of a Home-Based, Technology-Driven Balance Training Exercise Program Designed to Reduce Fall Risk: A Qualitative Research Study Within a Randomized Controlled Trial. *Journal of Geriatric Physical Therapy* 2023, 46(2), 139-148. <https://doi.org/10.1519/JPT.0000000000000321>
9. Anderson PA, McLachlan AJ, **Abdel Shaheed C**, Gnjdjic D, Ivers R & **Mathieson S**. Deprescribing interventions for gabapentinoids in adults: A scoping review. *British Journal of Clinical Pharmacology* 2023, 89(9), 2677-2690. <https://doi.org/10.1111/bcp.15798>
10. **Aravind N**, Treacy D, **Chagpar S**, Harvey LA, Glinsky JV, **Sherrington C** & **Hassett LM**. Implementing digital devices to increase mobility training for people receiving inpatient rehabilitation: protocol for a feasibility hybrid type II randomized controlled trial. *Pilot and Feasibility Studies* 2023, 9(1), 69. <https://doi.org/10.1186/s40814-023-01298-y>
11. Armstrong E, Harvey LA, Payne NL, Zhang J, Ye P, **Harris IA**, Tian M & Ivers RQ. Do we understand each other when we develop and implement hip fracture models of care? A systematic review with narrative synthesis. *BMJ Open Quality* 2023, 12(Supplementary 2). <https://doi.org/10.1136/bmjopen-2023-002273>
12. **Baldwin JN**, **Hassett L** & **Sherrington C**. Framework to Classify Physical Activity Intervention Studies for Older Adults. *Translational Journal of the American College of Sports Medicine* 2023 8(3), e000230. <https://doi.org/10.1249/TJX.0000000000000230>

13. **Baldwin JN**, He J, **Oliveira JS**, Bates A, **Tiedemann A**, **Hassett L**, **Sherrington C** & **Pinheiro MB**. Responsiveness of Patient-Reported and Device-based Physical Activity Measures: Secondary Analysis of Four Randomised Trials. *Med Sci Sports Exerc* 2023. <https://doi.org/10.1249/MSS.0000000000003338>
14. **Baldwin JN**, **Pinheiro MB**, **Hassett L**, **Oliveira JS**, **Gilchrist H**, Bauman AE, Milat A, **Tiedemann A** & **Sherrington C**. Physical activity research: time to scale up! *British Journal of Sports Medicine* 2023, 57(19), 1229-1230. <https://doi.org/10.1136/bjsports-2022-106361>
15. Banks E, **Haynes A**, Lovett R, Yadav UN & Agostino J. Output-orientated policy engagement: a model for advancing the use of epidemiological evidence in health policy. *Health Research Policy Systems* 2023, 21(1), 6. <https://doi.org/10.1186/s12961-022-00955-7>
16. Bejarano G, Csiernik B, **Zadro JR** & **Ferreira GE**. Compared to what? An analysis of comparators in trials informing the National Institute of Clinical Excellence (NICE) low back pain guideline. *Brazilian Journal of Physical Therapy* 2023, 27(6), 100563. <https://doi.org/10.1016/j.bjpt.2023.100563>
17. Ben M, Glinsky JV, Chu J, Spooren AI, Roberts S, Chen LW, Denis S, Lorusso M, Jorgensen V, Gollan EJ, Agostinello J, Van Laake-Geelen CCM, Lincoln C, Stolwijk JM, Bell C, Paddison S, Rainey D, Tranter K, Ilha J, Oostra K, **Sherrington C** & Harvey LA. Early and intensive Motor Training for people with spinal cord injuries (the SCI-MT Trial): description of the intervention. *Spinal Cord* 2023, 61(11), 600-607. <https://doi.org/10.1038/s41393-023-00911-4>
18. Berkovic D, Vallance P, **Harris IA**, Naylor JM, Lewis PL, de Steiger R, Buchbinder R, Ademi Z, Soh SE & Ackerman IN. A systematic review and meta-analysis of short-stay programmes for total hip and knee replacement, focusing on safety and optimal patient selection. *BMC Medicine* 2023, 21(1), 511. <https://doi.org/10.1186/s12916-023-03219-5>
19. Calais-Ferreira L, Pozzobon D, **Pinheiro MB**, Blyth FM, Ordonana JR, Duncan GE, Hopper JL, Ferreira PH & Ferreira ML. Sex differences in lifetime prevalence of low back pain: A multinational study of opposite-sex twin pairs. *European Journal of Pain* 2023, 27(10), 1150-1160. <https://doi.org/10.1002/ejp.2146>
20. Cashin AG, Wand BM, O'Connell NE, Lee H, Rizzo RRN, Bagg MK, O'Hagan E, **Maher CG**, Furlan AD, van Tulder MW & McAuley JH. Pharmacological treatments for low back pain in adults: an overview of Cochrane Reviews. *Cochrane Database of Systematic Reviews* 2023 (4). <https://doi.org/10.1002/14651858.CD013815.pub2>
21. **Chen Q**, **Maher CG**, **Han CS**, **Abdel Shaheed C**, **Lin CC**, Rogan EM & **Machado GC**. Continued Opioid Use and Adverse Events Following Provision of Opioids for Musculoskeletal Pain in the Emergency Department: A Systematic Review and Meta-Analysis. *Drugs* 2023, 83(16), 1523-1535. <https://doi.org/10.1007/s40265-023-01941-1>
22. **Chen Q**, **Maher CG**, Rogan E & **Machado G**. Management of low back pain in Australian emergency departments for culturally and linguistically diverse populations from 2016 to 2021. *Emergency Medicine Journal* 2023, 40(7), 486-492. <https://doi.org/10.1136/emmermed-2022-212718>
23. **Chen Q**, **Vella SP**, **Maher CG**, **Ferreira GE** & **Machado GC**. 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* 2023, 27(4), 476-491. <https://doi.org/10.1002/ejp.2075>
24. Cheng ETL, Cheik-Hussein M, Lin N, Lewin AM, McAuley JH & **Harris IA**. A meta-epidemiological study on the reported treatment effect of pregabalin in neuropathic pain trials over time. *PLOS ONE* 2023, 18(1), e0280593. <https://doi.org/10.1371/journal.pone.0280593>
25. Chu J, Glinsky JV, Liu H, Ben M, Spooren AI, Roberts S, Chen LW, Di Natal F, Tamburella F, Jørgensen V, Gollan EJ, Agostinello J, van Laake-Geelen C, Lincoln C, van der Lede J, Stolwijk JM, Bell

# PUBLICATIONS

- C, Paddison S, Rainey D, Scivoletto G, Oostra KM, Jan S, **Sherrington C**, Harvey LA. Early and Intensive Motor Training for people with spinal cord injuries (the SCI-MT Trial): protocol of the process evaluation. *BMJ Open* 2023, 13(8), e072219. <https://doi.org/10.1136/bmjopen-2023-072219>
26. Ciciriello S, Littlejohn G, Treuer T, Gibson KA, Haladyj E, **Youssef P**, Bird P, O'Sullivan C, Smith T, Deakin CT & Rheumatology, O. Comparative Effectiveness of First-Line Baricitinib in Patients With Rheumatoid Arthritis in the Australian OPAL Data Set. *ACR Open Rheumatology* 2023, 5(7), 345-353. <https://doi.org/10.1002/acr2.11577>
27. Clemson L, Stark S, Pighills AC, **Fairhall NJ**, Lamb SE, Ali J & **Sherrington C**. (2023). Environmental interventions for preventing falls in older people living in the community. *Cochrane Database Sysematic Reviews* 2023, 3(3), CD013258. <https://doi.org/10.1002/14651858.CD013258.pub2>
28. Correa LA, Bittencourt JV, **Mathieson S** & Nogueira LAC. Pain-related interference and pain-related psychosocial factors of three different subgroups of patients with chronic low back pain. *Musculoskeletal Science and Practice* 2023, 63, 102718. <https://doi.org/10.1016/j.msksp.2023.102718>
29. Cuadra G, **Oliveira JS**, **Pinheiro MB**, **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* 2023, 20(7), 578-585. <https://doi.org/10.1123/jpah.2022-0508>
30. **Dawson R**, **Oliveira JS**, **Kwok WS**, Bratland M, Rajendran IM, Srinivasan A, Chu CY, **Pinheiro MB**, **Hassett L** & **Sherrington C**. Exercise Interventions Delivered Through Telehealth to Improve Physical Functioning for Older Adults with Frailty, Cognitive, or Mobility Disability: A Systematic Review and Meta-Analysis. *Telemedicine and e-Health* 2023. <https://doi.org/10.1089/tmj.2023.0177>
31. **Dawson R**, **Pinheiro M**, Naganathan V, Taylor M, Delbaere K, **Oliveira J**, **Haynes A**, Rayner J, **Hassett L**, **Sherrington C**. Physiotherapy-led telehealth, and exercise intervention to improve mobility in older people receiving aged care services (TOP UP): protocol for a randomised controlled type 1 hybrid effectiveness-implementation trial. *BMJ Nutrition, Prevention & Health* 2023. 6(2) <https://doi.org/10.1136/bmjnp-2022-000606>
32. **de Campos TF**, da Silva TM, **Maher CG**, Pocovi NC & Hancock MJ. Prognosis of a new episode of low-back pain in a community inception cohort. *European Journal of Pain* 2023, 27(5), 602-610. <https://doi.org/10.1002/ejp.2083>
33. **de Campos TF**, Vertzyas N, Wolden M, Hewawasam D, Douglas B, McIlhatton C, Hili J, Molnar C, Solomon MI, Gass GC & Mungovan SF. Orthostatic Intolerance-Type Events Following Hip and Knee Arthroplasty: A Systematic Review and Meta-Analysis. *Journal of Bone & Joint Surgery* 2023, 105(3), 239-249. <https://doi.org/10.2106/JBJS.22.00600>
34. de Luca K, McLachlan AJ, **Maher CG** & **Machado GC**. Australian emergency department care for older adults diagnosed with low back pain of lumbar spine origin: a retrospective analysis of electronic medical record system data (2016-2019). *BMC Emergency Medicine* 2023, 23(1), 17. <https://doi.org/10.1186/s12873-023-00789-8>
35. Deakin CT, De Stavola BL, Littlejohn G, Griffiths H, Ciciriello S, **Youssef P**, Mathers D, Bird P, Smith T, O'Sullivan C, Freeman T, Segelov D, Hoffman D, Seaman SR & Network OR. Comparative Effectiveness of Adalimumab vs Tofacitinib in Patients With Rheumatoid Arthritis in Australia. *JAMA Network Open* 2023, 6(6), e2320851. <https://doi.org/10.1001/jamanetworkopen.2023.20851>
36. Deakin CT, Littlejohn GO, Griffiths H, Ciciriello S, O'Sullivan C, Smith T, **Youssef P**, Bird P & Consortium O. Comparative effectiveness of etanercept originator and biosimilar for treating rheumatoid arthritis: implications for cost-savings. *Internal Medicine Journal* 2023. <https://doi.org/10.1111/imj.16296>

37. Duarte MP, Ribeiro HS, Neri SGR, Almeida, LS, **Oliveira JS**, Viana JL & Lima RM. Prevalence of low bone mineral density (T-score  $\leq$  - 2.5) in the whole spectrum of chronic kidney disease: a systematic review and meta-analysis. *Osteoporosis International* 2023, 34(3), 467-477. <https://doi.org/10.1007/s00198-022-06598-2>
38. Dyer SM, Suen J, **Kwok WS**, **Dawson R**, **McLennan C**, Cameron ID, Hill KD & **Sherrington C**. Exercise for falls prevention in aged care: systematic review and trial endpoint meta-analyses. *Age Ageing* 2023, 52(12). <https://doi.org/10.1093/ageing/afad217>
39. El-Kotob R, Pagcanlungan JR, Craven BC, **Sherrington C**, Mourtzakis M & Giangregorio LM. Exploring participants' perspectives on adverse events due to resistance training: a qualitative study. *Applied Physiology, Nutrition, and Metabolism* 2023, 48(6), 427-435. <https://doi.org/10.1139/apnm-2022-0117>
40. Espirito Santo CM, Santos VS, **Kamper SJ**, Williams CM, Miyamoto GC & **Yamato TP**. Overview of the economic burden of musculoskeletal pain in children and adolescents: a systematic review with meta-analysis. *Pain* 2023, 165(2), 296-323. <https://doi.org/10.1097/j.pain.0000000000003037>
41. Feise RJ, **Mathieson S**, Kessler RS, Witenko C, Zaina F & Brown BT. Benefits and harms of treatments for chronic nonspecific low back pain without radiculopathy: systematic review and meta-analysis. *The Spine Journal* 2023, 23(5), 629-641. <https://doi.org/10.1016/j.spinee.2022.11.003>
42. Ferguson IMC, Miller MR, Partyka C, Bliss J, Aneman A & **Harris IA**. The effect of ketamine and fentanyl on haemodynamics during intubation in pre-hospital and retrieval medicine. *Acta Anaesthesiologica Scandinavica*, 2023 67(3), 364-371. <https://doi.org/10.1111/aas.14177>
43. **Ferreira GE**, **Abdel-Shaheed C**, Underwood M, Finnerup NB, Day RO, McLachlan A, Eldabe S, **Zadro JR** & **Maher CG**. Efficacy, safety, and tolerability of antidepressants for pain in adults: overview of systematic reviews. *BMJ* 2023, 380, e072415. <https://doi.org/10.1136/bmj-2022-072415>
44. **Ferreira GE**, **Zadro J**, **Jones C**, Ayre J, **Lin C**, **Richards B**, Needs C, **Abdel Shaheed C**, McLachlan A, Day RO & **Maher CG**. General practitioners' decision-making process to prescribe pain medicines for low back pain: a qualitative study. *BMJ Open* 2023, 13(10), e074380. <https://doi.org/10.1136/bmjopen-2023-074380>
45. **Ferreira GE**, **Zadro JR**, **Traeger AC**, **Jones CP**, **West CA**, **O'Keeffe M**, Jenkins H, McAuley J & **Maher CG**. Adding Brief Pain Science or Ergonomics Messages to Guideline Advice Did Not Increase Feelings of Reassurance in People With Acute Low Back Pain: A Randomized Experiment. *Journal Orthopaedic & Sports Physical Therapy* 2023, 53(12), 1-11. <https://doi.org/10.2519/jospt.2023.12090>
46. Fritsch CG, **Abdel-Shaheed C**, Mohamed R, Ferreira PH, McLachlan AJ & Ferreira ML. A qualitative assessment of a text message intervention for people with low back pain. *Musculoskeletal Science and Practice* 2023, 64, 102739. <https://doi.org/10.1016/j.msksp.2023.102739>
47. Gan JFL, McKay MJ, **Jones CMP**, **Harris IA**, McCaffery K, Thompson R, Hoffmann TC, Adie S, **Maher CG** & **Zadro JR**. Developing a patient decision aid for Achilles tendon rupture management: a mixed-methods study. *BMJ Open* 2023, 13(6), e072553. <https://doi.org/10.1136/bmjopen-2023-072553>
48. Gharaibeh MA, Tarassoli P, Chen DB, Wood JA, Beuzeville S, Quinn R, **Harris IA** & MacDessi SJ. Does Choice of Patellar Implant in Total Knee Arthroplasty Matter?: A Randomized Comparative Trial of 3 Commonly Used Designs. *The Journal of Bone and Joint Surgery* 2023, 105(2), 145-156. <https://doi.org/10.2106/JBJS.22.00655>
49. **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* 2023, 31(1), 81-88. <https://doi.org/10.1123/japa.2021-0503>



# PUBLICATIONS

50. **Gilchrist H, Haynes A, Oliveira JS, Sherrington C**, Clementson L, Glenn J, Jones J, Sesto R & **Tiedemann A**. 'My words become my hands': Yoga instructors' experiences of adapting teleyoga in the SAGE fall prevention trial-A qualitative analysis. *Digital Health* 2023, 9, 20552076231185273. <https://doi.org/10.1177/20552076231185273>
51. Gleadhill C, Lee H, **Kamper SJ, Cashin A**, Hansford H, **Traeger AC**, Viana Da Silva P, Nolan E, Davidson SRE, Wilczynska M, Robson E & Williams CM. Mixed messages: most spinal pain and osteoarthritis observational research is unclear or misaligned. *Journal of Clinical Epidemiology*, 155, 39-47. <https://doi.org/10.1016/j.jclinepi.2023.01.005>
52. Sidhu VS, Kelly TL, Pratt N, Graves SE, Buchbinder R, Adie S, Cashman K, Ackerman IN, Bastiras D, Brighton R, Burns AWR, Chong BH, Clavisi O, Cripps M, Dekkers M, de Steiger R, Dixon M, Ellis A, Griffith EC, Hale D, Hansen A, Harris A, Hau R, Horsley M, James D, Khorshid O, Kuo L, Lewis PL, Lieu D, Lorimer M, MacDessi SJ, McCombe P, McDougall C, Mulford J, Naylor JM, Page SP, Radovanovic J, Solomon M, Sorial R, Summersell P, Tran P, Walter WL, Webb S, Wilson C, Wysocki D & **Harris IA**. Effect of Aspirin vs Enoxaparin on 90-Day Mortality in Patients Undergoing Hip or Knee Arthroplasty: A Secondary Analysis of the CRISTAL Cluster Randomized Trial. *JAMA Network Open* 2023, 6(6), e2317838. <https://doi.org/10.1001/jamanetworkopen.2023.17838>
53. Hamdard K, **Harris IA**, Sarraimi P, Shu CC, Brown J, Singh H, Levesque JF & Dinh M. Falls from ladders in New South Wales: A data-linkage study. *Injury* 2023, 54(2), 442-447. <https://doi.org/10.1016/j.injury.2022.11.061>
54. **Hamilton M, Lin CW**, Arora S, Harrison M, Tracy M, Nickel B, **Shaheed CA**, Gnjidic D & **Mathieson S**. Understanding general practitioners' prescribing choices to patients with chronic low back pain: a discrete choice experiment. *International Journal of Clinical Pharmacy* 2023. <https://doi.org/10.1007/s11096-023-01649-y>
55. **Hamilton M, Kwok WS**, Hsu A, **Mathieson S**, Gnjidic D, Deyo R, Ballantyne J, Von Korff M, Blyth F & **Lin CC**. Opioid deprescribing in patients with chronic noncancer pain: a systematic review of international guidelines. *Pain* 2023, 164(3), 485-493. <https://doi.org/10.1097/j.pain.0000000000002746>
56. **Han CS**, Hancock MJ, Downie A, Jarvik JG, Koes BW, **Machado GC**, Verhagen AP, Williams CM, **Chen Q** & Maher CG. Red flags to screen for vertebral fracture in people presenting with low back pain. *Cochrane Database Systematic Reviews* 2023, 8(8), CD014461. <https://doi.org/10.1002/14651858.CD014461.pub2>
57. **Han CS**, Hancock MJ, **Sharma S**, Sharma S, **Harris IA**, Cohen SP, Magnussen J, **Maher CG** & **Traeger AC**. Low back pain of disc, sacroiliac joint, or facet joint origin: a diagnostic accuracy systematic review. *eClinicalMedicine* 2023, 59, 101960. <https://doi.org/10.1016/j.eclinm.2023.101960>
58. **Han CS, Maher CG**, Steffens D, Diwan A, Magnussen J, Hancock EC & Hancock MJ. Some magnetic resonance imaging findings may predict future low back pain and disability: a systematic review. *Journal of Physiotherapy* 2023, 69(2), 79-92. <https://doi.org/10.1016/j.jphys.2023.02.007>
59. **Harris IA**, Lorimer MF, Davies CE, Keuskamp D, Dansie KB, Lewis PL, Graves SE & McDonald SP. Hip Arthroplasty Outcomes in the Presence of Kidney Failure: A National Data Linkage Study. *Journal of Arthroplasty* 2023, 38(7), 1295-1302. <https://doi.org/10.1016/j.arth.2023.01.014>
60. **Harris IA**, Sidhu VS & Buchbinder R. Low Molecular Weight Heparin is Superior to Aspirin in the Prevention of Thromboembolic Disease, or is it? Response to an Editorial. *Journal of Arthroplasty* 2023, 38(4), e7-e8. <https://doi.org/10.1016/j.arth.2023.01.002>

61. Harvey LA, Glinsky JV, Chu J, Herbert RD, Liu H, Jan S, Billot L, Scivoletto G, Spooren AI, Seelen HA, Ben M, Tranter K, Chen LW, Rainey D, Rimmer C, Jorgensen V, Di Natal F, Denis S, Gollan EJ, Tamburella F, Agostinello J, van Laake-Geelan CM, Bell C, Lincoln C, Stolwijk JM, van der Lede J, Paddison S, Oostra K, Cameron ID, Weber G, **Sherrington C**, Nunn AK, Synnott EL, McCaughey E, Kaur J & Shetty S. Early and intensive motor training to enhance neurological recovery in people with spinal cord injury: trial protocol. *Spinal Cord* 2023, 61(9), 521-527. <https://doi.org/10.1038/s41393-023-00908-z>
62. **Hassett L**. Physiotherapy management of moderate-to-severe traumatic brain injury. *Journal of Physiotherapy* 2023, 69(3), 141-147. <https://doi.org/10.1016/j.jphys.2023.05.015>
63. **Hassett L**, McKay MJ, Cole J, **Moseley AM**, **Chagpar S**, Geerts M, **Kwok WS**, Jensen C, **Sherrington C** & Shields N. Effects of sport or physical recreation for adults with physical or intellectual disabilities: a systematic review with meta-analysis. *British Journal of Sports Medicine* 2023. <https://doi.org/10.1136/bjsports-2023-107123>
64. **Haynes A**, **Gilchrist H**, **Oliveira J**, **Sherrington C** & **Tiedemann A**. Avoiding God's waiting room: Lessons from the lived experiences of older people who use technology to support physical activity. *Physical Activity and Health*. 2023 Jan 24;7(1):24-42. <https://doi.org/10.5334/paah.22>
65. **Haynes A**, Howard K, Johnson L, Williams G, Clanchy K, Tweedy S, Scheinberg A, **Chagpar S**, **Wang B**, Vassallo G, Ashpole R, **Sherrington C** & **Hassett L**. Physical Activity Preferences of People Living with Brain Injury: Formative Qualitative Research to Develop a Discrete Choice Experiment. *The Patient* 2023, 16(4), 385-398. <https://doi.org/10.1007/s40271-023-00628-9>
66. **Haynes A**, **Tiedemann A**, Hewton G, Chenery J, **Sherrington C**, Merom D & **Gilchrist H**. "It doesn't feel like exercise": a realist process evaluation of factors that support long-term attendance at dance classes designed for healthy ageing. *Frontiers in Public Health* 2023 Dec 20(11) p1284272. <https://doi.org/10.3389/fpubh.2023.1284272>
67. Hicks KM, Orange ST, Dulson D, Ansdell P, Todryk S, **Gilbert SE** & Saxton JM. The Effect of Menstrual-Cycle Phase on Immune Responses to a 5-km Cycling Time Trial: An Exploratory Study. *International Journal of Sports Physiology and Performance* 2023, 18(4), 435-439. <https://doi.org/10.1123/ijcpp.2022-0130>
68. Ho EK, Ferreira ML, Bauman A, Carvalho ESAP, **Pinheiro MB**, Hubscher M, Calais-Ferreira L, Simic M & Ferreira PH. Beneficial and harmful effects of physical activity on care-seeking for low back pain: the AUTBACK study. *European Spine Journal* 2023. <https://doi.org/10.1007/s00586-023-07935-7>
69. Ho EK, Ferreira ML, Bauman A, Carvalho ESAP, **Pinheiro MB**, Hubscher M, Calais-Ferreira L, Simic M & Ferreira PH. Correction: Beneficial and harmful effects of physical activity on care-seeking for low back pain: the AUTBACK study. *European Spine Journal* 2023. <https://doi.org/10.1007/s00586-023-07978-w>
70. Ho EK, Mobbs RJ, van Gelder JM, **Harris IA**, Davis G, Stanford R, Beard DJ, **Maher CG**, Prior J, Knox M, Anderson DB, Buchbinder R & Ferreira ML. Challenges of conducting a randomised placebo-controlled trial of spinal surgery: the SUcCeSS trial of lumbar spine decompression. *Trials* 2023, 24(1), 794. <https://doi.org/10.1186/s13063-023-07772-5>
71. Ho KKN, Skarpsno ES, Nilsen KB, Ferreira PH, **Pinheiro MB**, Hopstock LA, Johnsen MB, Steingrimsdottir 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* 2023, 23(1), 110-125. <https://doi.org/10.1515/sjpain-2021-0197>

# PUBLICATIONS

72. Hoskins W, Bingham R, Corfield S, Harries D, **Harris IA** & Vince KG. (2023). Do the Revision Rates of Arthroplasty Surgeons Correlate With Postoperative Patient-reported Outcome Measure Scores? A Study From the Australian Orthopaedic Association National Joint Replacement Registry. *Clinical Orthopaedics and Related Research* 2023, 482(1), 98-112.  
<https://doi.org/10.1097/CORR.0000000000002737>
73. Irving MJ, Pescud M, Howse E, **Haynes A** & Rychetnik L. (2023). Developing a systems thinking guide for enhancing knowledge mobilisation in prevention research. *Public Health Research and Practice*, 33(2). <https://doi.org/10.17061/phrp32232212>
74. **Oliveria JS, Gilbert S, Pinheiro MB, Tiedemann A**, Macedo LB, Maia L, **Kwok W, Hassett L & Sherrington C**. Effect of sport on health in people aged 60 years and older: a systematic review with meta-analysis. *British Journal of Sports Medicine* 2023, 57(4), 230-236. <https://doi.org/10.1136/bjsports-2022-105820>
75. Jee AS, Stewart I, **Youssef P**, Adelstein S, Lai D, Hua S, Stevens W, Proudman S, Ngian GS, Glaspole IN, Moodley YP, Bleasel JF, Macanish S, Nikpour M, Sahhar J, Corte TJ. Australian Scleroderma Cohort Study, A. S. I. G. A. I. P. F. R. & associated, i. A Composite Serum Biomarker Index for the Diagnosis of Systemic Sclerosis-Associated Interstitial Lung Disease: A Multicenter, Observational Cohort Study. *Arthritis & Rheumatology* 2023, 75(8), 1424-1433. <https://doi.org/10.1002/art.42491>
76. Jenkin DE, **Harris IA**, Descallar J & Naylor JM. (2023). Discharge to inpatient rehabilitation following arthroplasty is a strong predictor of persistent opioid use 90 days after surgery: a prospective, observational study. *BMC Musculoskeletal Disorders* 2023, 24(1), 31.  
<https://doi.org/10.1186/s12891-023-06142-1>
77. Johnson L, Williams G, **Sherrington C**, Pilli K, **Chagpar S**, Auchett A, Beard J, Gil R, Vassallo G, Rushworth N, Tweedy S, Simpson G, Scheinberg A, Clanchy K, **Tiedemann A & Hassett L**. Correction to: the effect of physical activity on health outcomes in people with moderate-to-severe traumatic brain injury: a rapid systematic review with meta-analysis. *BMC Public Health* 2023, 23(1), 433.  
<https://doi.org/10.1186/s12889-023-15240-7>
78. Johnson L, Williams G, **Sherrington C**, Pilli K, **Chagpar S**, Auchettl A, Beard J, Gill R, Vassallo G, Rushworth N, Tweedy S, Simpson G, Scheinberg A, Clanchy K, **Tiedemann A & Hassett L**. The effect of physical activity on health outcomes in people with moderate-to-severe traumatic brain injury: a rapid systematic review with meta-analysis. *BMC Public Health* 2023, 23(1), 63.  
<https://doi.org/10.1186/s12889-022-14935-7>
79. **Jones CMP, Coombs D, Lin CC, Traeger A**, Li Q, **Abdel Shaheed C**, Sharma S, **Maher CG & Machado GC**. Implementation of a model of care for low back pain produces sustained reduction in opioid use in emergency departments. *Emergency Medicine Journal* 2023, 40(5), 359-360.  
<https://doi.org/10.1136/emered-2022-212874>
80. **Jones CMP, Abdel Shaheed C, Ferreira GE**, Mannix L, **Harris IA**, Buchbinder R & **Maher CG**. Author Response. *Journal of Patient Safety* 2023, 19(2), e55.  
<https://doi.org/10.1097/PTS.0000000000001099>
81. **Jones CMP**, Day RO, Koes BW, **Latimer J, Maher CG**, McLachlan AJ, Billot L, Shan S, **Lin CC**, Investigators, O, & Coordinators. (2023). Opioid analgesia for acute low back pain and neck pain (the OPAL trial): a randomised placebo-controlled trial. *The Lancet* 2023, 402(10398), 304-312.  
[https://doi.org/10.1016/s0140-6736\(23\)00404-x](https://doi.org/10.1016/s0140-6736(23)00404-x)
82. **Jones CMP, Lin CC**, Day RO, Koes BW, **Latimer J, Maher CG**, McLachlan A & Billot L. Correction: OPAL: a randomised, placebo-controlled trial of opioid analgesia for the reduction of pain severity



- 82 continued. in people with acute spinal pain—a statistical analysis plan. *Trials* 2023, 24(1), 479.  
<https://doi.org/10.1186/s13063-023-07525-4>
83. **Jones CMP, Lin CC**, Blease C, Lawson J, **Shaheed CA & Maher CG**. Time to reflect on open-label placebos and their value for clinical practice. *Pain* 2023, 164(10), 2139-2142.  
<https://doi.org/10.1097/j.pain.0000000000003017>
84. Karjalainen VL, **Harris IA**, Raisanen M & Karjalainen T. Minimal invasions: is wrist arthroscopy supported by evidence? A systematic review and meta-analysis. *Acta Orthopaedica* 2023, 94, 200-206. <https://doi.org/10.2340/17453674.2023.11957>
85. Karunaratne S, **Harris IA**, Horsley M, Trevena L, & Solomon M. Establishing a hierarchy of total knee arthroplasty patients' goals and its congruity to health professionals' perceptions: a cohort study. *ANZ Journal of Surgery* 2023. <https://doi.org/10.1111/ans.18817>
86. **Kharel P, Zadro JR**, Chen Z, Himbury MA, **Traeger AC**, Linklater J & **Maher CG**. Awareness and use of five imaging decision rules for musculoskeletal injuries: a systematic review. *International Journal of Emergency Medicine* 2023, 16(1), 85. <https://doi.org/10.1186/s12245-023-00555-4>
87. **Kharel P, Zadro JR, Ferreira GE**, Howell M, Howard K, Wortley S, **McLennan C & Maher CG**. Can language enhance physical therapists' willingness to follow Choosing Wisely recommendations? A best-worst scaling study. *Brazilian Journal of Physical Therapy* 2023, 27(4), 100534.  
<https://doi.org/10.1016/j.bjpt.2023.100534>
88. Khatib Y, Xia A, Liu R, Naylor JM & **Harris IA**. Less improvement in knee function and higher rates of dissatisfaction in the short-term following total knee arthroplasty in people with mild radiographic arthritis. *Archives of Orthopaedic and Trauma Surgery* 2023, 143(5), 2721-2731.  
<https://doi.org/10.1007/s00402-022-04564-5>
89. **Kwok WS**, Dolja-Gore X, Khalatbari-Soltani S, Byles J, **Oliveira JS, Pinheiro MB**, Naganathan V, **Tiedemann A, & Sherrington C**. Physical activity and injurious falls in older Australian women: adjusted associations and modification by physical function limitation and frailty in the Australian Longitudinal Study on Women's Health. *Age Ageing* 2023, 52(6).  
<https://doi.org/10.1093/ageing/afad108>
90. Langford AV, Bero L, **Lin CC**, Blyth FM, Doctor JN, Holliday S, Jeon YH, Moullin JC, Murnion B, Nielsen S, Penm J, Reeve E, Reid S, Wale J, Osman R, Gnjdjic D & Schneider CR. Context matters: using an Evidence to Decision (EtD) framework to develop and encourage uptake of opioid deprescribing guideline recommendations at the point-of-care. *Journal of Clinical Epidemiology* 2023, 165, 111204. <https://doi.org/10.1016/j.jclinepi.2023.10.020>
91. Langford AV, **Lin CC**, Bero L, Blyth FM, Doctor J, Holliday S, Jeon YH, Moullin J, Murnion B, Nielsen S, Osman R, Penm J, Reeve E, Reid S, Wale J, Schneider CR & Gnjdjic D. Clinical practice guideline for deprescribing opioid analgesics: summary of recommendations. *The Medical Journal of Australia* 2023, 219(2), 80-89. <https://doi.org/10.5694/mja2.52002>
92. . Langford AV, Schneider CR, **Lin CC**, Bero L, Collins JC, Suckling B & Gnjdjic D. (2023). Patient-targeted interventions for opioid deprescribing: An overview of systematic reviews. *Basic & Clinical Pharmacology & Toxicology* 2023, 133(6), 623-639. <https://doi.org/10.1111/bcpt.13844>
93. Lawson A, Naylor J, Mittal R, Kale M, Xuan W & **Harris IA**. (2023). Does Radiographic Alignment Correlate With Patient-Reported Functional Outcomes and Posttreatment Complications in Older Patients Treated for Wrist Fractures? *The Journal of Hand Surgery*, 48(6), 533-543.  
<https://doi.org/10.1016/j.jhsa.2023.02.012>

# PUBLICATIONS

94. Leite MN, Hoffmann TC, Helal L, Umpierre D & **Yamato TP**. Helping to know about the intervention: The Template for Intervention Description and Replication (TIDieR) checklist is now available in Brazilian Portuguese. *Brazilian Journal of Physical Therapy* 2023, 27(1), 100483. <https://doi.org/10.1016/j.bjpt.2023.100483>
95. Lewin AM, Naylor JM, Sheridan M & **Harris IA**. Audit of surgeon billing in workers compensation-insured elective spinal surgery in New South Wales, Australia from 2010 to 2018. *ANZ Journal of Surgery* 2023, 93(9), 2106-2111. <https://doi.org/10.1111/ans.18647>
96. Li N, Leong R & **Youssef P**. Combination non tumour necrosis factor biologic and small-molecule therapy in a patient with ankylosing spondylitis and Crohn disease. *Internal Medicine Journal* 2023, 53(6), 1083-1084. <https://doi.org/10.1111/imj.16120>
97. **Liu C, Ferreira GE, Abdel Shaheed C, Chen Q, Harris IA, Bailey CS, Peul WC, Koes B & Lin CC**. Surgical versus non-surgical treatment for sciatica: systematic review and meta-analysis of randomised controlled trials. *BMJ* 2023, 381, e070730. <https://doi.org/10.1136/bmj-2022-070730>
98. Liu S, Almansour HA, Pham L, Genel F, **Harris IA**, Patanwala AE, Adie S, Stevens J, Hassett G, Luckie K, Penm J, & Naylor J. Patients' experiences of subacute pain management following total hip or knee arthroplasty: A qualitative study. *Musculoskeletal Care* 2023, 21(4), 1612-1621. <https://doi.org/10.1002/msc.1837>
99. Luca K, McLachlan AJ, **Maher CG, & Machado GC**. Correction: Australian emergency department care for older adults diagnosed with low back pain of lumbar spine origin: a retrospective analysis of electronic medical record system data (2016-2019). *BMC Emergency Medicine* 2023, 23(1), 67. <https://doi.org/10.1186/s12873-023-00834-6>
100. **Machado GC**, Metcalfe D, Underwood M, **Maher CG**. Back pain: a target for reducing hospital admissions? *The Lancet Rheumatology* 2023 5: E643-E645 [https://doi.org/10.1016/S2665-9913\(23\)00266-7](https://doi.org/10.1016/S2665-9913(23)00266-7)
101. **Maher C**. Critically appraised paper: Cognitive functional therapy produces sustained improvements in chronic, disabling low back pain [commentary]. *Journal of Physiotherapy* 2023, 69(3), 191. <https://doi.org/10.1016/j.jphys.2023.05.016>
102. **Maher C, McLachlan A & Shaheed CA**. A Second Look at the Risks of Serious Adverse Events with Orthopaedic Manual Therapy, Paracetamol, and NSAID Treatment of Neck Pain. *Journal of Orthopaedic and Sports Physical Therapy* 2023, 53(6), 369-369. <https://doi.org/10.2519/jospt.2023.0202>
103. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirodda M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *Journal of Physiotherapy* 2023, 69(4), 205-207. <https://doi.org/10.1016/j.jphys.2023.07.011>
104. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirodda M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *ANZ Journal of Surgery* 2023, 93(6), 1476-1479. <https://doi.org/https://doi.org/10.1111/ans.18517>
105. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirodda M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *Journal of Medical Imaging and Radiation Oncology* 2023, 67(4), 404-408. <https://doi.org/10.1111/1754-9485.13532>
106. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirodda M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *Medical Journal of Australia* 2023, 218(8), 354-356. <https://doi.org/10.5694/mja2.51915>

# PUBLICATIONS

107. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirotta M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *Emergency Medicine Australasia* 2023, 35(3), 370-373.  
<https://doi.org/10.1111/1742-6723.14218>
108. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirotta M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain. *Internal Medicine Journal* 2023, 53(5), 664-667.  
<https://doi.org/10.1111/imj.16090>
109. **Maher CG**, Archambeau A, Buchbinder R, French SD, Morphet J, Nicholas MK, O'Sullivan P, Pirotta M, Yelland MJ, Zeller L, Saad N, Marles E, Bhasale AL & Lane C. Introducing Australia's clinical care standard for low back pain : A new clinical care standard provides evidence-based guidance to help clinicians deliver best care for people with low back pain. *Chiropractic & Manual Therapies* 2023, 31(1), 17. <https://doi.org/10.1186/s12998-023-00485-1>
110. **Maher CG, Ferreira GE & Jones CMP**. Global Burden of Disease data for Indonesia. *The Lancet Global Health* 2023, 11(3), e335. [https://doi.org/10.1016/S2214-109X\(23\)00005-0](https://doi.org/10.1016/S2214-109X(23)00005-0)
111. **Maher CG, Jones CMP, Coombs D & Ferreira GE**. Considerable Uncertainty About the Burden of Gout in the Middle East and North Africa Region. *Journal of Rheumatology* 2023, 50(9), 1201-1202.  
<https://doi.org/10.3899/jrheum.2022-1306>
112. Malliaras P, **O'Keeffe M**, Ridgway J, Whale R, Vasan V, L'Huillier P, Towers M & Farlie MK. Patient experiences of rotator cuff-related shoulder pain and their views on diagnostic shoulder imaging: a qualitative study. *Disability and Rehabilitation* 2023, 1-8.  
<https://doi.org/10.1080/09638288.2023.2296986>
113. Manewell SM, Aitken SJ, Nube VL, Crawford AM, Constantino MI, Twigg SM, Menz HB, **Sherrington C** & Paul SS. (2023). 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* 2023, 93(6), 1510-1516. <https://doi.org/10.1111/ans.18224>
114. Manewell SM, Rao P, Haneman K, Zheng M, Charaf H, Menz HB, **Sherrington C**, & Paul SS. Prevention and management of foot and lower limb health complications in adults undergoing dialysis: a scoping review. *Journal of Foot and Ankle Research* 2023, 16(1), 81.  
<https://doi.org/10.1186/s13047-023-00679-z>
115. Manuel K, Block H, Crotty M, Harvey G, Kurrle SE, Cameron I, Lockwood K, **Sherrington C**, Pond D, Nguyen TA & Laver K. Implementation of a frailty intervention in the transition from hospital to home: a realist process evaluation protocol for the FORTRESS trial. *BMJ Open* 2023, 13(6), e070267.  
<https://doi.org/10.1136/bmjopen-2022-070267>
116. McCartney M, McCutcheon C, Cooke M, MacDonald R, Mekwi L, Noruddin UH & **O'Keeffe M**. Investigation into financial conflicts of interest and screening for atrial fibrillation in the UK: a cross-sectional study. *BMJ Evidence Based Medicine* 2023, 28(1), 15-20.  
<https://doi.org/10.1136/bmjebm-2022-112004>
115. Manuel K, Block H, Crotty M, Harvey G, Kurrle SE, Cameron I, Lockwood K, **Sherrington C**, Pond D, Nguyen TA & Laver K. Implementation of a frailty intervention in the transition from hospital to home: a realist process evaluation protocol for the FORTRESS trial. *BMJ Open* 2023, 13(6), e070267.  
<https://doi.org/10.1136/bmjopen-2022-070267>



# PUBLICATIONS

116. McCartney M, McCutcheon C, Cooke M, MacDonald R, Mekwi L, Noruddin UH & **O'Keeffe M**. Investigation into financial conflicts of interest and screening for atrial fibrillation in the UK: a cross-sectional study. *BMJ Evidence Based Medicine* 2023, 28(1), 15-20.  
<https://doi.org/10.1136/bmjebm-2022-112004>
117. **Melman A**, Lord HJ, **Coombs D**, **Zadro JR**, **Maher CG** & **Machado GC**. Global prevalence of hospital admissions for low back pain: a systematic review with meta-analysis. *BMJ Open* 2023, 13(4), e069517.  
<https://doi.org/10.1136/bmjopen-2022-069517>
118. **Melman A**, **Maher CG**, **Needs C**, **Richards B**, Rogan E, Teng MJ & **Machado GC**. Management of patients with low back pain admitted to hospital: An observational study of usual care. *International Journal of Rheumatic Diseases* 2023, 26(1), 60-68. <https://doi.org/10.1111/1756-185X.14449>
119. **Melman A**, **Vella SP**, Dodd RH, **Coombs DM**, **Richards B**, Rogan E, Teng MJ, **Maher CG**, Ghinea N & **Machado GC**. Clinicians' Perspective on Implementing Virtual Hospital Care for Low Back Pain: Qualitative Study. *JMIR Rehabilitation and Assistive Technologies* 2023, 10, e47227.  
<https://doi.org/10.2196/47227>
120. Moritz D, Pearce S, **West K**, **Sherrington C** & Bellew W. Children with disability in competitive Little Athletics: a systems thinking approach to rules and law. *Sport in Society* 2023.  
<https://doi.org/10.1080/17430437.2023.2273872>
121. Mulford JS, Ackerman I, Holder C, Cashman KS, Graves SE & **Harris IA**. The association between body mass index and patient-reported outcome measures before and after primary total hip or knee arthroplasty: a registry. *ANZ Journal of Surgery* 2023, 93(6), 1665-1673. <https://doi.org/10.1111/ans.18449>
122. Muscat DM, Thompson R, Cvejic E, Smith J, Chang EH, Tracy M, **Zadro JR**, Lindner R & McCaffery KJ. Randomized Trial of the Choosing Wisely Consumer Questions and a Shared Decision-Making Video Intervention on Decision-Making Outcomes. *Medical Decision Making* 2023, 43(6), 642-655.  
<https://doi.org/10.1177/0272989X231184461>
123. **Narayan SW**, Gad F, Chong J, Chen VM & Patanwala AE. Preventability of venous thromboembolism in hospitalised patients. *Internal Medicine Journal* 2023, 53(4), 577-583.  
<https://doi.org/10.1111/imj.15600>
124. Nascimento Leite M, Kamper SJ, O'Connell NE, Michaleff ZA, Fisher E, Viana Silva P, Williams CM & **Yamato TP**. Physical activity and education about physical activity for chronic musculoskeletal pain in children and adolescents. *Cochrane Database Systematic Reviews* 2023, 7(7), CD013527.  
<https://doi.org/10.1002/14651858.CD013527.pub2>
125. Naylor JM, **Harris IA**, Joon S, Boland R, Brady B, Ogul S & Mittal R. Preliminary insights into patient preparedness for knee or hip arthroplasty: a descriptive survey study. *BMC Research Notes* 2023, 16(1), 60. <https://doi.org/10.1186/s13104-023-06329-8>
126. O'Hagan ET, Cashin AG, **Traeger AC** & McAuley JH. Person-centred education and advice for people with low back pain: Making the best of what we know. *Brazilian Journal of Physical Therapy* 2023, 27(1), 100478. <https://doi.org/10.1016/j.bjpt.2022.100478>
127. **Oliveira CB**, **Coombs D**, **Machado GC**, McCaffery K, **Richards B**, Pinto RZ, **O'Keeffe M**, **Maher CG** & Christofaro DGD. Process evaluation of the implementation of an evidence-based model of care for low back pain in Australian emergency departments. *Musculoskeletal Science and Practice* 2023, 66, 102814. <https://doi.org/10.1016/j.msksp.2023.102814>
128. **Oliveira CB**, **Ferreira GE**, Buchbinder R, **Machado GC** & **Maher CG**. Do national health priorities align with Global Burden of Disease estimates on disease burden? An analysis of national health plans and official governmental websites. *Public Health* 2023, 222, 66-74.  
<https://doi.org/10.1016/j.puhe.2023.06.038>

129. **Oliveira JS, Gilbert S, Pinheiro MB, Tiedemann A, Macedo LB, Maia L, Kwok W, Hassett L & Sherrington C.** Effect of sport on health in people aged 60 years and older: a systematic review with meta-analysis. *British Journal of Sports Medicine* 2023, 57:230-236. <https://doi.org/10.1136/bjsports-2022-105820>
130. Osan JK, **Harris IA**, Harries D, Peng Y, Yates PJ & Jones CW. Stemmed Tibial Fixation for Primary Total Knee Arthroplasty in Obese Patients-A National Registry Study. *The Journal of Arthroplasty* 2023. <https://doi.org/10.1016/j.arth.2023.08.028>
131. Pavlovic N, Brady B, Boland R, **Harris IA**, Flood VM, Genel F, Gao M & Naylor JM. A mixed methods approach to investigating physical activity in people with obesity participating in a chronic care programme awaiting total knee or hip arthroplasty. *Musculoskeletal Care* 2023, 21(4), 1447-1462. <https://doi.org/10.1002/msc.1825>
132. Pavlovic N, **Harris IA**, Boland R, Brady B, Genel F & Naylor J. The effect of body mass index and preoperative weight loss in people with obesity on postoperative outcomes to 6 months following total hip or knee arthroplasty: a retrospective study. *Arthroplasty* 2023, 5(1), 48. <https://doi.org/10.1186/s42836-023-00203-5>
133. Pavlovic N, Naylor J, Boland R, **Harris IA**, Flood VM, Genel F, Gao M, Hackett D, Vleeskens C & Brady B. Why do some people with osteoarthritis and obesity awaiting hip or knee arthroplasty achieve successful weight management? A qualitative study. *Journal of Clinical Nursing* 2023, 32(19-20), 7543-7559. <https://doi.org/10.1111/jocn.16841>
134. **Pearce L**, Costa N, **Sherrington C & Hassett L**. Implementation of digital health interventions in rehabilitation: A scoping review. *Clinical Rehabilitation* 2023, 37(11), 1533-1551. <https://doi.org/10.1177/02692155231172299>
135. Pham JP, Boot M, Stefani M, Chapman S, Byrne A, **Abdel-Shaheed C** & Girgis L. Disseminated Mycobacterium chelonae infection complicating rheumatoid arthritis: A case report and review of the literature. *International Journal of Rheumatic Diseases* 2023, 26(6), 1167-1171. <https://doi.org/10.1111/1756-185X.14605>
136. Pickering G, **O'Keeffe M**, Bannister K, Becker S, Cottom S, Cox FJ, Eisenberg E, Finn DP, Graven-Nielsen T, Meeus M, Mouraux A, Tolle T, Garcia-Larrea L, & Fullen BM. Why Europe needs a pain research strategy. *European Journal of Pain* 2023, 27(10), 1147-1149. <https://doi.org/10.1002/ejp.2179>
137. Pickles T, Cownern M, Christensen R, Nielsen SM, Simon LS, **Jones CMP**, Maxwell LJ, Shea B, Strand V, Touma Z, Toupin-April K, Mease P & Choy E. Exploring the complexities of pain phenotypes: OMERACT 2023 chronic pain working group workshop. *Seminars in Arthritis and Rheumatism* 2023, 64, 152342. <https://doi.org/10.1016/j.semarthrit.2023.152342>
138. **Pinheiro MB, Hassett L, Sherrington C**, Hayes A, van den Berg M, Lindley RI, Crotty M, **Chagpar S, Treacy D**, Weber H, **Fairhall N, Wong S**, McCluskey A, Togher L, Scrivener K & Howard K. Economic evaluation of digitally enabled aged and neurological rehabilitation care in the Activity and MObility Using Technology (AMOUNT) trial. *Clinical Rehabilitation* 2023, 37(5), 651-666. <https://doi.org/10.1177/02692155221138920>
139. **Pinheiro MB**, Howard K, **Oliveira JS, Kwok WS, 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 Ageing* 2023, 52(3). <https://doi.org/10.1093/ageing/afad023>

# PUBLICATIONS

140. Pisaniello HL, Lester S, Russell O, Black R, Tieu J, **Richards B**, Barrett C, Lassere M, March L, Buchbinder R, Whittle SL & Hill CL. (2023). Trajectories of self-reported pain-related health outcomes and longitudinal effects on medication use in rheumatoid arthritis: a prospective cohort analysis using the Australian Rheumatology Association Database (ARAD). *Rheumatic and Musculoskeletal Disease Open* 2023, 9(3). <https://doi.org/10.1136/rmdopen-2022-002962>
141. Pocovi NC, Ayre J, French SD, **Lin CC**, **Tiedemann A**, **Maher CG**, Merom D, McCaffrey K & Hancock MJ. Physiotherapists should apply health coaching techniques and incorporate accountability to foster adherence to a walking program for low back pain: a qualitative study. *Journal of Physiotherapy* 2023, 69(3), 182-188. <https://doi.org/10.1016/j.jphys.2023.05.010>
142. Pocovi NC, Graham PL, **Lin CC**, French SD, **Latimer J**, Merom D, **Tiedemann A**, **Maher CG**, van Dongen JM, Clavisi O & Hancock MJ. Effectiveness and cost-effectiveness of a progressive, individualised walking and education program for prevention of low back pain recurrence in adults: statistical analysis plan for the WalkBack randomised controlled trial. *Trials* 2023, 24(1), 197. <https://doi.org/10.1186/s13063-023-07119-0>
143. Pocovi NC, Kent P, **Lin CC**, French SD, **de Campos TF**, da Silva T & Hancock MJ. Recurrence of low back pain: A difficult outcome to predict. Development and validation of a multivariable prediction model for recurrence in patients recently recovered from an episode of non-specific low back pain. *Musculoskeletal Science and Practice* 2023, 64, 102746. <https://doi.org/10.1016/j.msksp.2023.102746>
144. **Purcell K**, Taylor J, **West K**, **Haynes A**, **Hassett L** & **Sherrington C**. Promotion of physical activity by health professionals in a sample of six public hospitals: A cross sectional study. *Health Promotion Journal of Australia* 2023. <https://doi.org/10.1002/hpja.730>
145. Ramsay N, Close JCT, **Harris IA** & Harvey LA. The impact of cement fixation on early mortality in arthroplasty for hip fracture. *Bone & Joint Open* 2023, 4(3), 198-204. <https://doi.org/10.1302/2633-1462.43.BJO-2023-0006.R1>
146. Ramsay N, Close JCT, **Harris IA** & Harvey LA. The impact of fixation type for intertrochanteric femoral fracture on patient survival. *ANZ Journal of Surgery* 2023, 93(7-8), 1917-1923. <https://doi.org/10.1111/ans.18562>
147. Ribeiro HS, Andrade FP, Leal DV, **Oliveira JS**, Wilund KR & Viana JL. How is exercise being prescribed for patients on hemodialysis? A scoping review. *Journal of Nephrology* 2023, 36(5), 1307-1319. <https://doi.org/10.1007/s40620-022-01513-8>
148. Rizzo RRN, Wand BM, Leake HB, O'Hagan ET, Bagg MK, Bunzli S, **Traeger AC**, Gustin SM, Moseley GL, **Sharma S**, Cashin AG & McAuley JH. "My Back is Fit for Movement": A Qualitative Study Alongside a Randomized Controlled Trial for Chronic Low Back Pain. *The Journal of Pain* 2023, 24(5), 824-839. <https://doi.org/10.1016/j.jpain.2022.12.009>
149. Ryan CG, Karran EL, Wallwork SB, Pate JW, **O'Keeffe M**, Fullen BM, Livadas N, Jones N, Toumbourou JW, Gilchrist P, Cameron PA, Fatoye F, Ravindran D & Moseley LG. We Are All in This Together-Whole of Community Pain Science Education Campaigns to Promote Better Management of Persistent Pain. *The Journal of Pain* 2023. <https://doi.org/10.1016/j.jpain.2023.10.024>
150. Sandau N, Aagaard TA, Hrobjartsson A, **Harris IA** & Brorson S. A meta-epidemiological study found that meta-analyses of the same trials may obtain drastically conflicting results. *Journal of Clinical Epidemiology* 2023, 156, 95-104. <https://doi.org/10.1016/j.jclinepi.2023.02.002>

151. Sarkies MN, Testa L, Carrigan A, Roberts N, Gray R, **Sherrington C**, Mitchell R, Close JCT, McDougall C & Sheehan K. Perioperative interventions to improve early mobilisation and physical function after hip fracture: a systematic review and meta-analysis. *Age Ageing* 2023, 52(8). <https://doi.org/10.1093/ageing/afad154>
152. Schmid AB, Tampin B, Baron R, Finnerup NB, Hansson P, Hietaharju A, Konstantinou K, **Lin CC**, Markman J, Price C, Smith BH, & Slater H. (2023). Recommendations for terminology and the identification of neuropathic pain in people with spine-related leg pain. Outcomes from the NeuPSIG working group. *Pain* 2023, 164(8), 1693-1704. <https://doi.org/10.1097/j.pain.0000000000002919>
153. **Sherrington C**. Critically appraised paper: Timing and coordination training does not enhance standard treatment benefit on mobility in community-dwelling older adults [commentary]. *Journal of Physiotherapy* 2023, 69(2), 125. <https://doi.org/10.1016/j.jphys.2023.02.003>
154. Sidhu V, Badge H, Churches T, Maree Naylor J, Adie S, & **Harris IA**. Comparative effectiveness of aspirin for symptomatic venous thromboembolism prophylaxis in patients undergoing total joint arthroplasty, a cohort study. *BMC Musculoskeletal Disorders* 2023, 24(1), 629. <https://doi.org/10.1186/s12891-023-06750-x>
155. Sidhu V, Naylor JM, Adie S, Bastiras D, Buchbinder R, Ackerman I & **Harris IA**. Post-discharge patient-reported non-adherence to aspirin compared to enoxaparin for venous thromboembolism prophylaxis after hip or knee arthroplasty. *ANZ Journal of Surgery* 2023, 93(4), 989-994. <https://doi.org/10.1111/ans.18284>
156. Sidhu VS & **Harris IA**. Aspirin vs Enoxaparin and Symptomatic Venous Thromboembolism in Hip or Knee Arthroplasty-Reply. *JAMA* 2023, 329(2), 177-178. <https://doi.org/10.1001/jama.2022.20754>
157. Sidhu VS, Naylor JM, Adie S, Lieu D, Walker R, Horsley M, Kim RG, & **Harris IA**. Is Enoxaparin Associated With a Higher Risk of Persistent Wound Drainage Than Aspirin? A Secondary Analysis of Data From the CRISTAL Randomized Trial. *Clinical Orthopaedics and Related Research* 2023, 481(7), 1351-1359. <https://doi.org/10.1097/CORR.0000000000002544>
158. Suen J, Kneale D, Sutcliffe K, **Kwok W**, Cameron ID, Crotty M, **Sherrington C** & Dyer S. Critical features of multifactorial interventions for effective falls reduction in residential aged care: a systematic review, intervention component analysis and qualitative comparative analysis. *Age Ageing* 2023, 52(11). <https://doi.org/10.1093/ageing/afad185>
159. Taylor WJ, Willink R, O'Connor DA, Patel V, Bourne A, **Harris IA**, Whittle SL, **Richards B**, Clavisi O, Green S, Hinman RS, **Maher CG**, Cahill A, McPherson A, Hewson C, May SE, Walker B, Robinson PC, Ghersi D, Fitzpatrick J, Winzenberg T, Fallon K, Glasziou P, Billot L & Buchbinder R. Which clinical research questions are the most important? Development and preliminary validation of the Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network Research Question Importance Tool (ANZMUSC-RQIT). *PLOS ONE* 2023, 18(3), e0281308. <https://doi.org/10.1371/journal.pone.0281308>
160. Thogersen-Ntoumani C, Kritz M, Grunseit A, Chau J, Ahmadi M, Holtermann A, Koster A, Tudor-Locke C, Johnson N, **Sherrington C**, Paudel S, **Maher CG** & Stamatakis E. Barriers and enablers of vigorous intermittent lifestyle physical activity (VILPA) in physically inactive adults: a focus group study. *International Journal of Behavioral Nutrition and Physical Activity* 2023, 20(1), 78. <https://doi.org/10.1186/s12966-023-01480-8>
161. **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* 2023, 35, 100546. <https://doi.org/10.1016/j.lanwpc.2022.100546>



# PUBLICATIONS

162. **Traeger AC**, & Bero LA. (2023). Corporate Influences on Science and Health-the Case of Spinal Cord Stimulation. *JAMA Internal Medicine* 2023. Published online. <https://doi.org/10.1001/jamainternmed.2023.6962>
163. **Traeger AC, Gilbert SE, Harris IA, & Maher CG**. Response to Durbhakula and colleagues. *Pain Medicine* 2023, 24(9), 1127-1128. <https://doi.org/10.1093/pm/pnad061>
164. **Traeger AC, Gilbert SE, Harris IA, & Maher CG**. Spinal cord stimulation for low back pain. *Cochrane Database of Systematic Reviews* 2023. <https://doi.org/10.1002/14651858.CD014789.pub2>
165. Tran DT, Lewin AM, Jorm L, & **Harris IA**. Elective spinal surgery in New South Wales adults, 2001-20, by procedure funding type: a cross-sectional study. *The Medical Journal of Australia* 2023, 219(7), 303-309. <https://doi.org/10.5694/mja2.52046>
166. **Treacy D & Sherrington C**. Mobility and Frailty Rehabilitation in Older Adults. *Topics in Geriatric Rehabilitation*. 2023 39(2), 124-130. <https://doi.org/10.1097/TGR.0000000000000393>
167. Truthmann J, Kasch R, Hancock MJ, **Maher CG**, Chenot JF, & Schmidt CO. General Population Research Is Not Patient Research; and Despite This Can Be of Clinical Interest. *Spine* 2023, 48(9), E130-E131. <https://doi.org/10.1097/brs.0000000000004533>
168. Tymms K, O'Sullivan C, Smith T, Littlejohn G, Freeman T, Hoffman D, Segelov D, Griffiths H, Ciciriello S, **Youssef 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. *Frontiers in Digital Health* 2023, 4, 1074931. <https://doi.org/10.3389/fdgth.2022.1074931>
169. Vratisistas-Curto A, Downie A, McCluskey A, & **Sherrington C**. Trajectories of arm recovery early after stroke: an exploratory study using latent class growth analysis. *Annals of Medicine* 2023, 55(1), 253-265. <https://doi.org/10.1080/07853890.2022.2159062>
170. **Wallbank G**, Voukelatos A, Taki S, Hughes JK, Gammack S, Pokhrel R, Bedford K, Simone L, & Wen LM. Health promotion programs for middle-aged adults that promote physical activity or healthy eating and involve local governments and health services: A rapid review. *Health Promotion Journal Australia* 2023, 34(4), 825-841. <https://doi.org/10.1002/hpja.707>
171. Wang A, Menon R, Li T, Harris L, **Harris IA**, Naylor J, & Adie S. Has the degree of outcome reporting bias in surgical randomized trials changed? A meta-regression analysis. *ANZ Journal Surgery* 2023, 93(1-2), 76-82. <https://doi.org/10.1111/ans.18273>
172. **Wang BY, Sherrington C**, Fairhall N, **Kwok WS**, Michaleff ZA, **Tiedemann A, Wallbank G**, & **Pinheiro MB**. Exercise for fall prevention in community-dwelling people aged 60+: more effective in trials with higher fall rates in control groups. *Journal of Clinical Epidemiology* 2023, 159, 116-127. <https://doi.org/10.1016/j.jclinepi.2023.05.003>
173. Wernecke GC, Jin XZ, Lin JL, & **Harris IA**. The Impact of Surgical Approach on 90-Day Prosthetic Joint Infection After Total Hip Replacement - A Population-Based, Propensity Score-Matched Cohort Study. *Journal of Arthroplasty* 2023, 39(1), 151-156. <https://doi.org/10.1016/j.arth.2023.06.033>
174. Wewege MA, Bagg MK, Jones MD, Ferraro MC, Cashin AG, Rizzo RR, Leake HB, Hagstrom AD, Sharma S, McLachlan AJ, **Maher CG**, Day R, Wand BM, O'Connell NE, Nikolakopoulou A, Schabrun S, Gustin SM, & McAuley JH. Comparative effectiveness and safety of analgesic medicines for adults with acute non-specific low back pain: systematic review and network meta-analysis. *BMJ* 2023, 380, e072962. <https://doi.org/10.1136/bmj-2022-072962>
175. Williams CM, Henschke N, **Maher CG**, van Tulder MW, Koes BW, Macaskill P & Irwig L. Red flags to screen for vertebral fracture in patients presenting with low-back pain. *Cochrane Database Systematic Reviews* 2023, 11(11), CD008643. <https://doi.org/10.1002/14651858.CD008643.pub3>

# PUBLICATIONS

176. Yang Z, **Mathieson S**, Kobayashi S, **Abdel Shaheed C**, Nogueira LAC, Simic M, **Machado G**, & McLachlan AJ. Prevalence of Nonsteroidal Antiinflammatory Drugs Prescribed for Osteoarthritis: A Systematic Review and Meta-Analysis of Observational Studies. *Arthritis Care & Research* 2023, 75(11), 2345-2358. <https://doi.org/10.1002/acr.25157>
  177. Youssef M, & **Youssef P**. Methotrexate osteopathy. *Internal Medicine Journal* 2023, 53(11), 2141-2142. <https://doi.org/10.1111/imj.16265>
  178. **Zadro JR**. How to facilitate mainstream media coverage of physiotherapy research. *Journal of Physiotherapy* 2023, 69(1), 1-3. <https://doi.org/10.1016/j.jphys.2022.11.009>
  179. **Zadro JR**, **Ferreira GE**, Muller R, Sousa Filho LF, Malliaras P, **West CA**, **O'Keeffe M**, & **Maher CG**. Education can reassure people with rotator cuff-related shoulder pain: a 3-arm, randomised, online experiment. *Pain* 2023. <https://doi.org/10.1097/j.pain.0000000000003102>
  180. **Zadro JR**, Michaleff ZA, O'Keeffe M, **Ferreira GE**, **Traeger AC**, **Gamble AR**, Afeaki F, Li Y, Wen E, Yao J, Zhu K, Page R, **Harris IA** & **Maher CG**. How do people perceive different advice for rotator cuff disease? A content analysis of qualitative data collected in a randomised experiment. *BMJ Open* 2023, 13(5), e069779. <https://doi.org/10.1136/bmjopen-2022-069779>
- 

# BOOK CHAPTERS

1. Perracini MR, Lima CA, Santy-Tomlinson J, **Sherrington C**. Preventing Falls. In: Hertz, K., Santy-Tomlinson, J. (eds) Fragility Fracture and Orthogeriatric Nursing. *Perspectives in Nursing Management and Care for Older Adults*. Springer, Cham. 2023.
  2. **Zadro JR**. In: Evidence-based Practice Across the Health Professions (4th ed). *Prognosis worked examples*. Hoffmann & Bennett & Del Mar. 2023.
-



# **Institute for Musculoskeletal Health**

**Optimising musculoskeletal health and physical activity**