

Curriculum Vitae Nicola Straiton

Qualifications

PhD, The University of Sydney (2023)
Masters of Adult Nursing (2008)
Bachelor of Biomedical Science (Hons) (2000)

Career summary: I am a qualified nurse with over 15 years clinical experience in cardiovascular disease care in Australia and the United Kingdom. I am currently employed as the Senior Research Fellow (Implementation Science) at the Nursing Research Institute, Australian Catholic University based at St Vincent's Health Network Sydney, a role focused leading and conducting collaborative research to increase the translation of evidence into practice, and on building the research capacity and capabilities of clinician researchers. I completed a Doctor of Philosophy (Nursing) at The University of Sydney in 2023 focused on the acceptability of heart valve replacement procedures, and patient-reported outcomes in adults with aortic stenosis.

Alongside my clinical and academic careers, I have gained a wide-ranging portfolio of clinical trial expertise (managed two research units), implementation of consumer engagement initiatives and involvement in evaluating and embedding digital health approaches. I currently co-lead the Maridulu Budyari Gumal (Sydney Partnership in Health, Education, Research & Enterprise-SPHERE) nursing and midwifery implementation science academy early mid-career researcher group, with the overarching goal of increasing the number of funded collaborative research projects led by nurses and midwives.

Current appointment: Senior Research Fellow (Implementation Science)
Nursing Research Institute, Australian Catholic University and St Vincent's Health Network Sydney

Research grants: Total income: \$1,165, 370.

Current grants

2023 Straiton N, Goldsmith H, Brogan E, Ferguson C, Middleton S. Charting the Future of Healthcare: Making Research Core Business of Early to Mid-Career Nursing and Midwifery Researchers (**\$46,000**).

2023 Straiton N, MacDonald P, Muller D, Frost S, McInnes E, Inglis S, Lauck S, Roy D, Mills N, Arriagada A, Herrero M, Thornton A, Dolja-Gore X, McCreanor V, Harrison S, Middleton S. Frailty response in aortic stenosis patients undergoing transcatheter aortic valve implantation: a pilot, cluster randomised trial (FRAIL-AS Response Trial). Cardiovascular Research Capacity Program, Early-Mid Career Researcher Grant 2023 (**\$449,826**).

2023 Jun M, Gallagher M, Simmons D, **Straiton N**, Usherwood T, Rajaratnam R, Campain A, Si L, Tai E, Kotwal S, Katz I, Higgins K, Wallace H. Reducing cardiovascular and kidney risk in people with diabetes (the REVERSE study). Cardiovascular Research Capacity Program, Senior Career Researcher Grant 2023 (**\$444,229**).

2023 Prior J, Egglestone P, Goodwin N, Lovell N, Oates Smith C, Jahantigh BJ, Dadich A, Debono D, **Straiton N**, McIntyre E, Liu E. Understanding Reception of Care Technology for Healthy Ageing at Home. SPHERE Big Ideas 2023 Grant Scheme (**\$167,934**).

2023 Fontaine G, Vachon B, Gagnon MP, Presseau J, Rouleau G, Patey A, McCleary N, Porat-Dahlerbruch J, Cassidy C, Semenic S, Middleton S, **Straiton N**, Chicoine G, Vinette B, Castiglione SA, Bitzas VB, Hupé C, Martel B, Folch N, Smith M. From Theory to Practice: Unveiling the theoretical basis and components of effective implementation strategies for improving nursing practice and patient outcomes. Quebec Network on Nursing Intervention Research 2023 (**\$57,381**).

Completed grants

2022 W Tarnow-Mordi, M Cruz, **N Straiton** et al. A global register of parent-professional partners in large, simple perinatal trials (**\$100,000**).

Awards

- 2023 Best Early-Mid Career Researcher Oral Presentation Award. St Vincent's Sydney Health Innovation Precinct (SVSHIP) 2023 Research Week. Patient Acceptability of Nurse-Led Physical Assessments and Bedside Handovers (ACCELERATE Plus: Acceptability Study)
- 2020 Franklin Women Mentorship Program graduate, a gender equity initiative to increase the representation of women in leadership roles in the health and medical research sector, Sydney, Australia
- 2020 Winner. Digital Influencer Prize. eHealth Sydney 2020
- 2019 Awarded, Postgraduate Research Support Scheme Funding, Sydney Nursing School
- 2019 Awarded, Scholarship to International College of Nursing Summer School, Vilnius, Lithuania
- 2018 Winner, Oral Poster Presentation, Australian Cardiac Rehabilitation (ACRA) ASM, Sydney, Australia
- 2017 Winner, ANZET Interventional Nurses Council (INC) Terumo Case Presentation Prize, Perth, Australia

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2017 Winner 3MT, Nursing Faculty, University of Sydney, Australia

Collaborations: As an early career researcher, I am developing a track record of national and international collaborations. To improve access to healthcare I am currently a co-chair (working group), of the National Cardiac Society of Australian and New Zealand (CSANZ) Position Statement on Telehealth. Furthermore, I am currently part of the executive team leading the UK Digital Health for Heart Health James Lind Alliance Priority Setting Partnership project, collaborating with patients, the public, and clinicians to identify the top research priorities.

Community engagement: I am passionate consumer involvement in research advocate. I was the principal project manager working with consumers, researchers, and policymakers to develop, build and implement the Australian National Consumer Involvement and Engagement Toolkit, a digital repository to support and enable people to involve consumers in research. In addition, I am currently working with consumers on two funded co-designed projects 1) Digital Health for Heart Health Priority Setting Partnership and 2) Accounting for Diversity: an international project to improve clinical trial diversity, inclusion, and equity.

Professional involvement:

- 2023-ongoing Maridulu Budyari Gumal (SPHERE), Nursing and Midwifery Implementation Science Academy
- 2023-ongoing Maridulu Budyari Gumal (SPHERE) Implementation Science Collaborative
- 2020-ongoing Scientific Advisory Committee and the Steering Committee, Australian and New Zealand Alliance for Cardiovascular Trials network (ANZACT)
- 2018-ongoing Consumer Engagement, Equity, and Diversity Working Group, Australian Clinical Trials Alliance (ACTA)
- 2019-2020 Organising Committee, Digital Health Conference – Digital Health Week, University of Sydney

Research student(s)

MacMahon J (2022-ongoing). De-implementation of low-value pressure injury prevention in acute care settings. Australian Catholic University. Primary Supervisor: Professor Elizabeth McInnes, Co-supervisors: Professor Paul Fulbrook, A/Prof Louisa Lam, Dr Nicola Straiton, Dr Angela Wan and Ms Jane Rodgers.

Invited presentations (National and International):

- 2024 Development of a Global Roadmap to Strengthen Shared Decision-Making in Valvular Heart Disease. Medtronic, Transcatheter Aortic Valve Implantation (TAVI), 2023 Summit. Melbourne, Australia.
- 2023 Consumer engagement and involvement in commercial clinical trials. Australian Clinical Trials Alliance, 2023 International Clinical Trials Symposium. Melbourne, Australia.
- 2023 What is implementation science? St Vincent's Sydney Health Innovation Precinct (SVSHIP) 2023 Research Week
- 2023 Engaging Consumer in Research: Masterclass (Invited Expert). Australian Cardiovascular Alliance
- 2023 Global Round Table (Invited Expert): Shared Decision Making in Valvular Heart Disease Roadmap (consensus-driven). Global Heart Hub. Amsterdam, Holland.
- 2023 Frailty in TAVI: where are we now? Cardiovascular Society of Australia and New Zealand (CSANZ). Adelaide, Australia.
- 2023 Lessons learned from the bedside: the acceptability of evidence-based care. European Society of Cardiology (ESC) Association of Cardiovascular Nursing & Allied Professions (ACNAP). Edinburgh, UK.
- 2023 20 years of TAVI: Does frailty still matter? European Society of Cardiology (ESC) Association of Cardiovascular Nursing & Allied Professions (ACNAP). Edinburgh, UK.
- 2021 Multidisciplinary: Health literacy and consumer engagement session. Cardiovascular Society of Australia and New Zealand (CSANZ) ASM 2021 Meeting
- 2020 Devices and mobile applications in cardiology (documentary). European Society of Cardiology (ESC): Digital Health Summit.
- 2019 Wearables tell it all, European Society of Cardiology (ESC): Digital Health Summit, Estonia.
- 2019 Wearable trackers: potential and pitfalls of digital health devices, European Society of Cardiology (ESC) Congress, Paris.

Conference presentations:

- 2023 Patient Acceptability of Nurse-Led Physical Assessments and Bedside Handovers (ACCELERATE Plus: Acceptability Study). St Vincent's Sydney Health Innovation Precinct (SVSHIP) 2023 Research Week, Sydney, Australia
- 2023 The critical role of social support in older adults undergoing aortic valve replacement (AVR): an observational study. Cardiovascular Society of Australia and New Zealand (CSANZ). Adelaide, Australia.
- 2022 Acceptability of transcatheter aortic valve replacement: patient and carer perspectives and experiences, multidisciplinary cardiovascular nursing prize session (runner-up), CSANZ ASM 2022.
- 2022 Acceptability of heart valve replacement by patients and carers. European Society of Cardiology (ESC), EuroHeartCare, Madrid
- 2022 Straiton, N. Seminars in Ageing: the use of wearable activity trackers in older adults with cardiovascular disease. National Aging Research Institute, National – online.

- 2021 Getting back to normal: how functional recovery impacts the acceptability of transcatheter aortic valve implantation (TAVI) for older adults with severe aortic stenosis: a qualitative analysis. Singapore Prevention and Cardiac Rehabilitation Symposium
- 2021 Assessment of patient-reported outcomes in older adults undergoing novel minimally invasive heart valve replacement. Using Patient-Reported Outcome Measures (PROMs) in Research and Clinical Practice 2021 conference.
- 2018 Straiton N, Alharbi M, Bauman A, Neubeck L, Gullick J, Bhindi R, Gallagher R. The validity and reliability of consumer-grade activity trackers in older, community-dwelling adults: A systematic review. Australian Cardiovascular Health and Rehabilitation NSW Conference, Sydney.
- 2017 Straiton N, Jin K, Bhindi R, Gallagher R. Functional capacity and health-related quality of life outcomes post transcatheter aortic valve replacement (TAVR): a systematic review and meta-analysis. Australian Cardiovascular Health and Rehabilitation NSW/ACT Conference, Sydney
- 2017 Straiton N, Jin K, Bhindi R, Gallagher R. Functional capacity and health-related quality of life outcomes post transcatheter aortic valve replacement (TAVR): a systematic review and meta-analysis. Nursing Innovation Conference, Sydney

Publications

- 18 **Nicola Straiton**, Philip Moons, Axel Verstrael, Mark Liu, Michiel M Winter, Beyond Validation: Getting Wearable Activity Trackers into Cardiovascular Care – A Discussion Paper, *European Journal of Cardiovascular Nursing*, 2024;, zvae019, <https://doi.org/10.1093/eurjcn/zvae019>
- 17 Roslyn Prichard, Della Maneze, **Nicola Straiton**, Sally C Inglis, Julee McDonagh, Strategies for improving diversity, equity, and inclusion in cardiovascular research: a primer, *European Journal of Cardiovascular Nursing*, 2024;, zvae002, <https://doi.org/10.1093/eurjcn/zvae002>
- 16 Sandra B Lauck, Markus Saarijärvi, Ismália De Sousa, **Nicola Straiton**, Britt Borregaard, Krystina B Lewis, Accelerating knowledge translation to improve cardiovascular outcomes and health services: opportunities for bridging science and clinical practice, *European Journal of Cardiovascular Nursing*, Volume 22, Issue 8, November 2023, Pages e125–e132, <https://doi.org/10.1093/eurjcn/zvad077>
- 15 **Straiton N**, Hollings M, Gullick J, Gallagher R. Wearable Activity Trackers Objectively Measure Incidental Physical Activity in Older Adults Undergoing Aortic Valve Replacement. *Sensors (Basel)*. (2023) Mar 22;23(6):3347. doi: 10.3390/s23063347. PMID: 36992058; PMCID: PMC10051559.
- 14 Symons T, Bowden J, McKenzie A, Fallon-Ferguson JM, Weekes LY, Ansell J, Murphy R, Jesudason S, Saxena M, Nichol A, **Straiton N**. Development of the Consumer Involvement & Engagement Toolkit: a digital resource to build capacity for undertaking patient-centred clinical trials in Australia. *Public Health Res Pract*. (2023) Mar 15;33(1):32122209. doi: 10.17061/phrp32122209. PMID: 35661863.
- 13 Symons TJ, **Straiton N**, Gagnon R, Littleford R, Campbell AJ, Bowen AC, Stewart AG, Tong SYC, Davis JS. Consumer perspectives on simplified, layered consent for a low risk, but complex pragmatic trial. *Trials*. (2022) Dec 28;23(1):1055. doi: 10.1186/s13063-022-07023-z. PMID: 36578070; PMCID: PMC9795139.
- 12 McKenzie A, Bowden J, Zalberg JR, Conroy K, Fallon-Ferguson J, Jesudason S, Ansell J, Anderst A, **Straiton N**. A snapshot of consumer engagement in clinical trials in Australia: results of a national survey of clinical trial networks and research organisations. *Res Involv Engagem*. (2022) Feb 5;8(1):3. doi: 10.1186/s40900-022-00338-w. PMID: 35123586; PMCID: PMC8817464.
- 11 **Straiton, N**. (2022). Transitions of Care and Long-Term Follow-Up after Heart Valve Procedures. In: Hawkey, M.C., Lauck, S.B. (eds) *Valvular Heart Disease*. Springer, Cham. https://doi.org/10.1007/978-3-030-86233-6_12
- 10 Australian College of Nursing (2022) Clinical Research Nurse. Australian Standards for Practice. Canberra, ACN <https://www.acn.edu.au/wp-content/uploads/clinical-research-nurse-standards.pdf>
- 9 Briffa T, Symons T, Zeps N, **Straiton N**, Tarnow-Mordi WO, Simes J, Harris IA, Cruz M, Webb SA, Litton E, Nichol A, Williams CM. Normalising comparative effectiveness trials as clinical practice. *Trials*. (2021) Sep 15;22(1):620. doi: 10.1186/s13063-021-05566-1. PMID: 34526083; PMCID: PMC8442385.
- 8 Brijnath B, Croy S, Sabates J, Thodis A, Ellis S, de Crespigny F, Moxey A, Day R, Dobson A, Elliott C, Etherington C, Geronimo MA, Hlis D, Lampit A, Low LF, **Straiton N**, Temple J. Including ethnic minorities in dementia research: Recommendations from a scoping review. *Alzheimers Dement (N Y)*. (2022) Apr 29;8(1):e12222. doi: 10.1002/trc2.12222. PMID: 35505899; PMCID: PMC9053375.
- 7 Beer K, Gentgall M, Templeton N, Whitehouse C, **Straiton N**. Who's included? The role of the Clinical Research Nurse in enabling research participation for under-represented and under-served groups. *J Res Nurs*. (2022) Mar;27(1-2):143-154. doi: 10.1177/17449871221077076. Epub 2022 Apr 1. PMID: 35392191; PMCID: PMC8980581.
- 6 **Straiton N**, Gallagher R. Prioritizing what matters most in digital health research, *European Journal of Cardiovascular Nursing*, (2021); zvab103, <https://doi.org/10.1093/eurjcn/zvab103>
- 5 **Straiton N**, McKenzie A, Bowden J, Nichol A, Murphy R, Snelling T, Zalberg J, Clements J, Stubbs J, Economides A, Kent D, Ansell J, Symons T. Facing the Ethical Challenges: Consumer Involvement in COVID-19 Pandemic Research. *J Bioeth Inq*. (2020) Dec;17(4):743-748. doi: 10.1007/s11673-020-10060-5. Epub 2020 Nov 9. PMID: 33169265; PMCID: PMC7651817.

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- 4 Alharbi M, **Straiton, N**, Smith S, Neubeck L, Gallagher R. Data management and wearables in older adults: A systematic review. *Maturitas*. (2019) Volume 124, 100 – 110.
- 3 **Straiton N**, Alharbi M, Bauman A, Neubeck L, Gullick J, Bhindi R, Gallagher R. The validity and reliability of consumer-grade activity trackers in older, community-dwelling adults: A systematic review. *Maturitas*. (2018) Jun;112:85–93. doi: 10.1016/j.maturitas.2018.03.016.
- 2 **Straiton, N**, Jin, K, Bhindi, R, Gallagher R. (2018) Functional Capacity and Health-Related Quality of Life Outcomes Post Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Analysis. *Age Ageing*. (2018) May 1;47(3):478-482. doi: 10.1093/ageing/afx203.
- 1 Al-Harbi M, **Straiton N**, Gallagher R Harnessing the Potential of Wearable Activity Trackers for Heart Failure Self-Care. *Curr Heart Fail Rep*. (2017). 14 (1), 23-29. 2.

Previous appointments:

Services Lead, Opyl, 2022-2023.

Research Development Lead, NHMRC Clinical Trials Centre 2022 (5 months)

Program Manager, Australian Clinical Trials Alliance, 2018-2022.

Cardiovascular Research Unit Manager, Structural Heart Disease Nurse, Royal North Shore Hospital, 2014-2018

Intensive Care Research Project and Data Manager, 2013-2014

Relevant Professional Education:

Implementation Science, Post Graduate Course, 2023: Distinction.

Referees: Contact details available upon request