ANNUAL REPORT 2023









ENHANCING OUTCOMES FOR OLDER PEOPLE

The Australian and New Zealand Hip Fracture Registry (ANZHFR) extends its sincere thanks to the multidisciplinary teams of the 97 hospitals that contributed patient level data (76 in Australia and 21 in New Zealand) and the 117 hospitals that contributed to the facility-level data. Your extraordinary efforts make this report possible.

The ANZHFR receives funding from the Australian Government Department of Health and Aged Care, New Zealand Accident Compensation Corporation, NSW Health Agency for Clinical Innovation, Victorian Agency for Health Information, SA Health, WA Health and Queensland Health, and receives in-kind support from Neuroscience Research Australia, UNSW Sydney and the New Zealand Orthopaedic Association.



ABBREVIATIONS

ACT Australian Capital Territor	У
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AIHW Australian Institute of Health and Welfare

ANZ Australia and New Zealand

ANZHFR Australian and New Zealand Hip

Fracture Registry

ACSQHC Australian Commission on Safety and

Quality in Health Care

AOA Australian Orthopaedic Association

ASA American Society of Anesthesiologists

AUS Australia

Clinical Frailty Scale **CFS**

CT Computed Tomography

ED **Emergency Department**

FLS Fracture Liaison Service

GP General Practitioner

HDU

ICU Intensive Care Unit

JHH John Hunter Hospital

LOS Length of stay

MRI Magnetic Resonance Imaging

High Dependency Unit

NOF Neck of femur

NSW New South Wales

NT Northern Territory

NΖ New Zealand

NZOA New Zealand Orthopaedic Association

OT Operating Theatre

PRFM Patient Reported Experience Measure

QLD Queensland

SA South Australia

TAS Tasmania

VIC Victoria

Venous Thromboembolism VTE

WA Western Australia

NOTE: Rehabilitation - when used in the figures, rehabilitation refers to inpatient rehabilitation at a public or private hospital. It does not include rehabilitation provided in the community or private residence.









In the spirit of reconciliation, the ANZHFR acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

The ANZHFR acknowledges Māori as tangata whenua and Treaty of Waitangi partners in Aotearoa New Zealand.

Extracts from this report may be reproduced provided the source of the extract is acknowledged.

Report prepared on behalf of the ANZHFR Steering Group by:

Ms Jamie Hallen, Registry Manager; Mr Stewart Fleming, Webmaster; Dr Morag Taylor, Data analyst; Professor Jacqueline Close, ANZHFR Co-Chair Geriatric Medicine; A/Professor Catherine McDougall, ANZHFR Co-Chair Orthopaedic Surgery.

The ANZHFR extends its sincere thanks to Dr Reidar Lystad, Australian Institute of Health Innovation, Macquarie University NSW, for assistance with the outlier reports.

Report Design: patterntwo creative studio patterntwo.com.au

Suggested citation: Australian and New Zealand Hip Fracture Registry. Annual report of hip fracture care 2023. September 2023. Available at anzhfr.org/registry-reports/

ISSN: 2981-8362

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CO-CHAIRS' FOREWORD

We are delighted to welcome you to the 2023 ANZHFR Annual Report, which includes the eighth patient level report and the eleventh facility level report. This report is possible because of the extraordinary efforts of the teams involved in hip fracture care across Australia and New Zealand. We are grateful for the time you dedicate to Registry activities and thank you for your commitment to improving outcomes for older people after hip fracture.

We continue to see a year-on-year increase in Registry participation. This report includes 16,395 records from 97 hospitals and facility level data from 117 hospitals. It has been encouraging to not only maintain participation but also welcome new hospitals on-board over the last year, despite the ongoing challenges for health systems due to the global COVID-19 pandemic. Whilst all eligible New Zealand hospitals have been contributing data for some time, we continue to strive towards 100% of eligible Australian public hospitals providing patient level data.

The printed report again focuses on performance against the Hip Fracture Care Clinical Care Standard. This year, performance against the quality indicators is also presented by Australian state for the last five years. This is an opportunity to see jurisdictional performance over time and where system-level opportunities for improvement may exist. The digital report covers additional domains relevant to clinicians, managers, and funders of health systems. Both reports are available on our website anzhfr.org/registry-reports. Mortality is not included in this report as we will be releasing an expanded supplementary report focused on hip fracture mortality in 2024.

We continue to see improvements in a number of domains, including **preoperative assessment of cognition** and **assessment of delirium**. Early recognition and prompt treatment of delirium reduces the risk of other hospital-acquired complications and offers patients with delirium the best chance of recovery. The **use of nerve blocks** for pain management remains high, with 81% of patients receiving a nerve block prior to arriving in the operating theatre. And while progress has been slow, there continues to be an improvement in the proportion of people leaving hospital on **bone protection medication**.

Conversely, there are areas that have shown little or no improvement over the last five years. Understanding the reasons for this and identifying system level strategies to address these challenges remains a priority. Average length of stay in the Emergency Department (ED) increased in both Australia and New Zealand. Average time to surgery increased and the proportion of patients who had surgery within 48 hours decreased in both Australia and New Zealand. We highlight a variety of perspectives on what is driving the increase in surgical delay and potential system- and hospital-level improvement strategies. First day walking remains low, with less than half of patients taking a step the day after surgery.

Given the challenges associated with early mobility, a sprint audit examining acute rehabilitation was performed in 2022. A summary report of the key findings is available at anzhfr.org/sprintaudits/. The research team are working on more detailed analysis and the ANZHFR looks forward to sharing further details on the association between frequency and timing of commencement of acute rehabilitation, type of therapy received on day one and the impact on patient outcomes. The ANZHFR has just completed its fourth sprint audit reviewing fasting practices prior to surgery. We sincerely thank the participating teams for their efforts collecting the additional data and welcome



suggestions as to how we can improve and build on sprint audits moving forward.

In alignment with our priority of increased consumer engagement, the ANZHFR progressed work under the My Hip My Voice pilot projects. These projects developed new resources for patients, families and friends, as well as integrating a patient reported experience tool into the Registry. We highlight some of these resources later in the report. As the My Hip My Voice projects formally wrap up, we sincerely thank the project team, the consumers and organisations that contributed and the teams that generously volunteered as pilot sites. The resources developed and lessons learned will guide the Registry as we strive to put consumers at the centre of all that we do.

2022 also saw the return to face-to-face Hip Festivals, with a New Zealand Hip Fest in Wellington and a Binational Hip Fest in Melbourne. The Hip Fests were a great opportunity to hear the latest in multidisciplinary hip fracture care and celebrate the Golden Hip awards. In New Zealand, North Shore Hospital won the Golden Hip award for best performing hospital for the second year running. Hutt Hospital won the Golden Hip award for most improved. In Australia, Sunshine Coast University Hospital won the Golden Hip award for best performing hospital. The Sutherland Hospital won the Golden Hip for most improved. It was wonderful to see so many friends and colleagues in person, and we look forward to welcoming you to future events.

We would also like to take this opportunity to recognise some long-standing members of the ANZHFR Steering Group, who are moving on. Dr Gretchen Poiner stepped down as a consumer representative in 2022. Gretchen's extraordinary dedication and contribution over many years has been invaluable to the Registry, and we extend our sincere gratitude to her. Dr Hannah Seymour, Dr Roger Harris and Mr Brett Baxter have been on this journey with us for over a decade, representing various professional organisations and tirelessly driving work in fragility fracture prevention and care. Their respective contributions have been enormous and we thank them for their commitment, passion and friendship.

Our thanks also to Jamie Hallen, the Australian Hip Fracture Registry manager, who has been instrumental in pulling this report together and also to the Australian and New Zealand Registry management teams who make the endeavours of the Registry possible.

The ANZHFR remains committed to collaboration and evolving in a manner that aligns with the priorities of the patients, the clinicians, and the broader health system. We look forward to continuing to work together towards better outcomes for older people after hip fracture.

Professor Jacqueline Close Geriatrician

Co-Chair Australian and New Zealand Hip Fracture Registry A/Professor Catherine McDougall Orthopaedic Surgeon

C. M. Bougall

Co-Chair Australian and New Zealand Hip Fracture Registry

2022 SNAPSHOT

PATIENT LEVEL REPORT



of patients had a documented assessment of pain within 30 minutes of arrival at the ED



72%

of patients had a preoperative assessment of cognition



81%

of patients had a nerve block to manage pain before arriving in the operating theatre

97
ANZ Hospitals
16,395
Records



86%

of Australian patients and

88%

of NZ patients were seen by a geriatrician during their acute hospital stay

91%

of patients were given the opportunity to mobilise on the day of or day after surgery



48

78%

of patients had surgery within 48 hours



45%

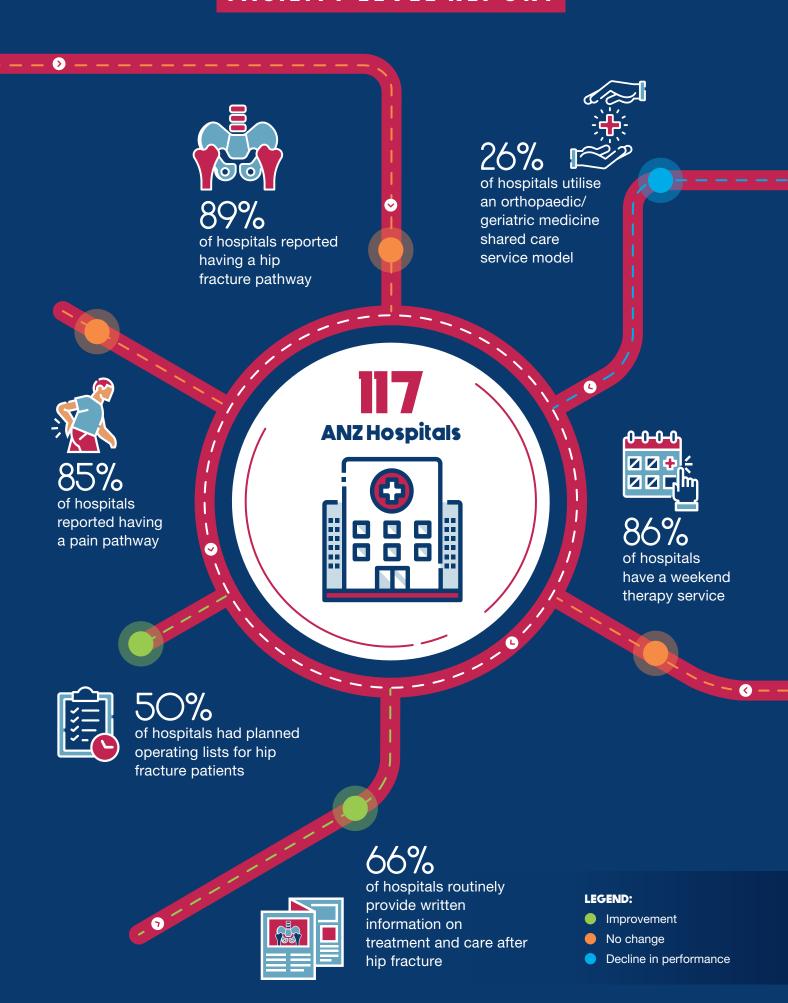
of patients achieved first day walking



32%

of patients were on active treatment for osteoporosis at discharge from hospital

FACILITY LEVEL REPORT



ANZHFR GOLDEN HIP AWARDS 2022

The Golden Hip award was initiated by the Scottish Hip Fracture Audit to promote and reward better health care for people with hip fractures.

In 2022, the best performing and most improved hospitals in Australia and New Zealand were recognised for their achievements against the Hip Fracture Care Clinical Care Standard quality indicators.

The **New Zealand Golden Hip Awards** were held as part of the NZ Hip Fest in Wellington. **North Shore Hospital** won the Golden Hip award for best performing hospital for the second year running. **Hutt Hospital** won the Golden Hip award for most improved.

The **Australian Golden Hip Awards** were announced at the Binational Hip Fest in Melbourne. **Sunshine Coast University Hospital** won the Golden Hip award for best performing hospital. **The Sutherland Hospital** won the Golden Hip for most improved.

The ANZHER congratulates the winners and all finalists on their achievements providing high-quality hip fracture care.

NEW ZEALAND FINALISTS: BEST PERFORMING HOSPITAL

North Shore Hospital (Winner) Palmerston North Hospital Middlemore Hospital Tauranga Hospital Waikato Hospital

NEW ZEALAND FINALISTS: MOST IMPROVED HOSPITAL

Hutt Hospital (Winner) Southland Hospital Tauranga Hospital



Dr Min Yee Seow Top Performing Hospital NZ: North Shore Hospital



Ms Irene Puran, Ms Anne Taylor and Dr Jo Williams Most Improved Hospital NZ, Hutt Hospital

AUSTRALIAN FINALISTS: BEST PERFORMING HOSPITAL

Sunshine Coast University Hospital,
QLD (Winner)
Albany Hospital, WA
Concord Repatriation General Hospital, NSW
Fiona Stanley Hospital, WA
Prince of Wales Hospital, NSW
Princess Alexandra Hospital, QLD
Robina Hospital, QLD
Royal Melbourne Hospital, VIC
Royal North Shore Hospital, NSW
Townsville University Hospital, QLD

AUSTRALIAN FINALISTS: MOST IMPROVED HOSPITAL

The Sutherland Hospital, NSW (Winner) The Northern Hospital, VIC Westmead Hospital, NSW



Dr Annette Holian (President, Australian Orthopaedic Association), A/Professor Catherine McDougall (Co-Chair, ANZHFR), Dr Stephen Murray (Geriatrician, SCUH), Ms Nicol Lightbody (Clinical Nurse Consultant, Orthopaedics, SCUH)

Top Performing Hospital Australia: Sunshine Coast University Hospital, QLD (SCUH)







USING ANZHFR DATA FOR QUALITY IMPROVEMENT AND RESEARCH

The ANZHFR has developed the capabilities of the Registry over the last few years to make monitoring your hospital's performance easier. The Registry dashboard gives a real-time summary of performance against the ACSQHC quality indicators and other key metrics.



		1000 12 1000 1 1 1000		
11000			100	
Average	20.03	3L79	20.16	17.27
Hollan	9.58	26.72	8.32	9.06
Shortest	1.00		12.00	-19
Longeri	21.98	4630	4115	4221





Live reports
enable you to
review and
benchmark your
performance
over time for
many aspects of
hip fracture care.

Do you know how to access the Registry dashboard for your hospital? Have you seen the reports available at the press of a button?



The dashboard and reports can be customised to show a specified period of time and the reports can be displayed by month, quarter or year.

Different levels of access to the ANZHFR allow sites to collect, submit, view and use data to improve hip fracture care, whilst maintaining the confidentiality and privacy of data. Hospital Reporter access allows access to the aggregated data held in the Registry. One generic hospital account is created, which only allows a user to view aggregated data. The user will not have access to any individual, record-level data. This level of access allows team members to view the dashboard and run and export the live reports. Contact the lead for the ANZHFR at your hospital to request the login details. The ANZHFR team is happy to help if you need any guidance on utilising the Registry functions. Contact database manager Mr Stewart Fleming on admin@hipfracture.com.au.



With data on more than 95,000 hip fractures, the ANZHFR is growing as a platform for clinical research and practice development.

Publications and more information about using ANZHFR data can be found at: anzhfr.org/research

RESEARCH PUBLICATIONS USING ANZHER DATA

Fajardo Pulido, D., et al. (2021). "Patient, surgical and hospital factors associated with the presence of a consultant surgeon during hip fracture surgery. Do we know the answer?" <u>ANZ Journal of Surgery</u> 91(7-8): 1435-1440.

Gill, C. E., et al. (2022). "Experience of a systematic approach to care and prevention of fragility fractures in New Zealand." <u>Arch Osteoporos</u> 17(1): 108.

Halim, N. K., et al. (2022). "Two-country comparison of the prescription of bone protection medication before and early after hip fracture." <u>Archives of Osteoporosis</u> 18(1): 8.

Harvey, L., et al. (2022). "Improved survival rates after hip fracture surgery in New South Wales, 2011–2018." Med J Aust 216: 420-421.

Harvey, L. A., et al. (2021). "Impact of pre-surgery hospital transfer on time to surgery and 30-day mortality for people with hip fractures." Medical Journal of Australia 215(2): 87-88.

Lin, D.-Y., et al. (2023). "Association of anesthesia and analgesia with long-term mortality after hip fracture surgery: an analysis of the Australian and New Zealand hip fracture registry." Regional Anesthesia & Pain Medicine 48(1): 14-21.

Mitchell, R. J., et al. (2022). "Synthesis of the evidence on the impact of pre-operative direct oral anticoagulants on patient health outcomes after hip fracture surgery: rapid systematic review." <u>European Journal of Trauma and Emergency Surgery</u> 48(4): 2567-2587.

Narula, S., et al. (2020). "Clinical Frailty Scale is a good predictor of mortality after proximal femur fracture." <u>Bone & Joint Open</u> 1(8): 443-449.

Oberai, T., et al. (2021). "Development of a postoperative delirium risk scoring tool using data from the Australian and New Zealand Hip Fracture Registry: an analysis of 6672 patients 2017-2018." <u>Archives of Gerontology and Geriatrics</u> 94: 104368.

Oberai, T., et al. (2022). "Is delirium associated with negative outcomes in older patients with hip fracture: analysis of the 4904 patients 2017–2018 from the Australian and New Zealand hip fracture registry." ANZ Journal of Surgery 92(1-2): 200-205.

Onggo, J., et al. (2023). "Comparing outcomes of total hip arthroplasty versus hemiarthroplasty in neck of femur fracture patients: an Australian registry study." <u>European Journal of Trauma and Emergency</u>

Ramsay, N., et al. (2023). "The impact of cement fixation on early mortality in arthroplasty for hip fracture." <u>Bone & Joint Open</u> 4(3): 198.

Ramsay, N., et al. (2023). "The impact of fixation type for intertrochanteric femoral fracture on patient survival." <u>ANZ Journal</u> of Surgery.

Ryder, T., et al. (2021). "Patient and hospital factors influencing discharge destination following hip fracture." <u>Australasian journal on ageing</u> 40(3): e234-e243.

Tan, A. C., et al. (2019). "Data quality audit of a clinical quality registry: a generic framework and case study of the Australian and New Zealand Hip Fracture Registry." BMJ Open Quality 8(3): e000490.



MAYSIE IS 100 YEARS OLD AND LIVES ALONE.

She fell at home and broke her hip on the 26th June. She had her operation the next day at Fiona Stanley Hospital in Perth.

She was transferred to rehabilitation on the 29th June.

When asked about her experience, Maysie highlighted the importance of good nutrition in hip fracture care. She was given oral nutrition supplements throughout her hospital stay.

This photo was taken nine days after her operation and she went home two weeks after her injury.

The food I have had here is the best in any hospital. It has helped me improve my strength and get home.

ANZHFR PARTICIPATION

Hospitals in Australia and New Zealand that provide surgical treatment to patients admitted with a proximal femur fracture are eligible to contribute data to the ANZHFR. The proportion of eligible public hospitals approved to participate in the ANZHFR and be included in the annual report has increased from 21% of ANZ hospitals in 2016 to 93% in 2023. The total number of hospitals eligible for both patient and facility audits varies each year as public health system services are reconfigured, or private hospitals increase their participation in the ANZHFR.

The number of hospitals contributing data continues to grow, with year-on-year increases in participation. Not all authorised sites have been able to contribute data, primarily due to resource limitations, and the ANZHFR continues to work with these sites to help identify sustainable processes for participation. Image 1 shows eligible public hospital participation by Australian state and territory and New Zealand. Six private hospitals currently contribute data to the ANZHFR; one mixed public/private in NSW, one in WA, two in QLD and two in Victoria.

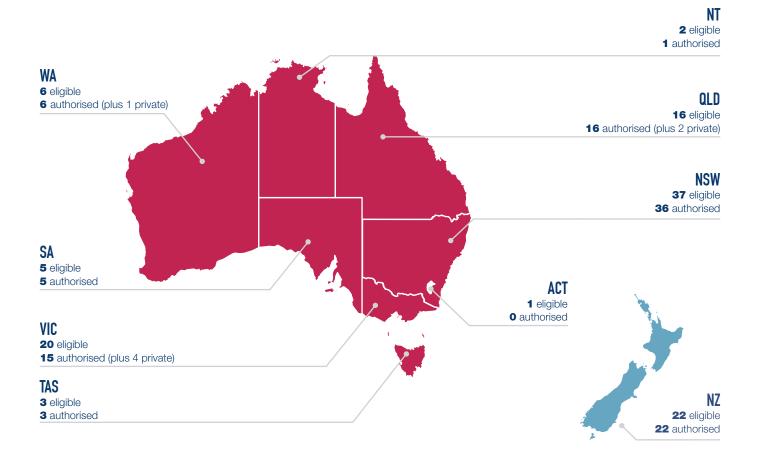


Image 1: Public sector participation by Australian state and territory and New Zealand at July 2023

CONTRIBUTING HOSPITALS 2022

PATIENT LEVEL AUDIT

NEW ZEALAND HOSPITALS

	REPORT ID	2022
Auckland City Hospital	ACH	264
Christchurch Hospital	CHC	489
Dunedin Hospital	DUN	167
Gisborne Hospital	GIS	30
Hawkes Bay Hospital	HKB	126
Hutt Hospital	HUT	112
Middlemore Hospital	MMH	269
Nelson Hospital	NSN	111
North Shore Hospital	NSH	430
Palmerston North Hospital	PMR	161
Rotorua Hospital	ROT	89

	REPORT ID	2022
Southland Hospital	INV	90
Taranaki Base Hospital	TAR	123
Tauranga Hospital	TGA	191
Timaru Hospital	TIU	68
Waikato Hospital	WKO	355
Wairau Hospital	BHE	50
Wellington Hospital	WLG	22
Whakatane Hospital	WHK	35
Whanganui Hospital	WAG	55
Whangarei Hospital	WRE	142

AUSTRALIAN HOSPITALS

	REPORT ID	2022
Albany Hospital	ABA	51
Armidale Hospital	ARM	48
Ballarat Base Hospital	###	151
Bankstown-Lidcombe Hospital	BKL	197
Bendigo Health	###	111
Blacktown Hospital	###	176
Box Hill Hospital	BOX	222
Bunbury Regional Hospital	BRH	126
Bundaberg Hospital	###	30
Cabrini Malvern	CHM	83
Cairns Hospital	CNS	181
Campbelltown Hospital	CAM	106
Canterbury Hospital	CAN	75
Coffs Harbour Base Hospital	CFS	115
Concord Hospital	CRG	150
Dandenong Hospital	DDH	465
Fiona Stanley Hospital	FSH	572
Flinders Medical Centre	FMC	238
Frankston Hospital	FRA	209
Geelong Hospital	GUH	213
Geraldton Regional Hospital	GRH	18
Gold Coast University Hospital	GCH	36
Gosford Hospital	GOS	379
Goulburn Base Hospital	GLB	31
Grafton Hospital	GBH	55
Hornsby Ku-ring-gai Hospital	HKH	134
Ipswich Hospital	IPS	121
John Hunter Hospital	JHH	454
Joondalup Hospital	JHC	189
Launceston Hospital	LGH	103
Lismore Base Hospital	LBH	120
Liverpool Hospital	LIV	246

	REPORT ID	2022
Logan Hospital	LOG	93
Lyell McEwin Hospital	LMH	237
Mackay Base Hospital	MKY	105
Maitland Hospital	TMH	49
Manning Base Hospital	MBH	118
Maroondah Hospital	MAR	146
Mater Hospital Brisbane	MSB	106
Nepean Hospital	NEP	249
North West Regional Hospital	NWR	94
Northeast Health Wangaratta	NHW	49
Northern Beaches Hospital	NBH	173
Orange Health Service	OHS	127
Prince of Wales Hospital	POW	151
Princess Alexandra Hospital	PAH	178
QEII Jubilee Hospital	QII	169
Queen Elizabeth Hospital	QEH	89
Redcliffe Hospital	RED	121
Robina Hospital	ROB	321
Rockhampton Hospital	ROK	132
Royal Adelaide Hospital	RAH	337
Royal Hobart Hospital	RHH	151
Royal Melbourne Hospital	RMH	203
Royal North Shore Hospital	RNS	120
Royal Perth Hospital	RPH	479
Royal Prince Alfred Hospital	RPA	196
Ryde Hospital	RYD	106
Sir Charles Gairdner Hospital	SCG	284
St George Hospital	STG	175
St Vincent's Hospital Darlinghurst	SVD	125
St Vincent's Hospital Melbourne	SVM	153
Sunshine Coast University Hospital	SCU	286
Tamworth Hospital	TAM	104

The patient level report includes data from 97 hospitals. In 2022, 16,395 hip fracture records were contributed for the calendar year: 13,016 records from 76 Australian hospitals and 3,379 records from 21 New Zealand hospitals.

Contributing hospitals are listed below with their three-letter report identifier and the number of records contributed for the 2022 calendar year. All New Zealand hospitals and 71 Australian hospitals have elected to be identified in this report.

All 117 eligible hospitals completed the facility level audit for 2022.

PATIENT LEVEL AUDIT

AUSTRALIAN HOSPITALS

	REPORT ID	2022
The Alfred	TAH	241
The Northern Hospital	TNH	206
The Prince Charles Hospital	PCH	521
The Sutherland Hospital	TSH	83
The Wesley Hospital	###	39
Toowoomba Hospital	TWB	179

	REPORT ID	2022
Townsville Hospital	TSV	206
Tweed Hospital	TWE	68
Wagga Wagga Base Hospital	WGG	148
Werribee Mercy Hospital	WMH	23
Westmead Hospital	WMD	239
Wollongong Hospital	TWH	232

FACILITY LEVEL AUDIT

NEW ZEALAND HOSPITALS

Auckland City Hospital Christchurch Hospital Dunedin Hospital Gisborne Hospital Hawkes Bay Hospital Hutt Hospital Middlemore Hospital Nelson Hospital North Shore Hospital Palmerston North Hospital Rotorua Hospital Southland Hospital Taranaki Base Hospital Tauranga Hospital Timaru Hospital Waikato Hospital Wairarapa Hospital Wairau Hospital Wellington Hospital Whakatane Hospital Whanganui Hospital Whangarei Base Hospital

AUSTRALIAN HOSPITALS

New South Wales

Armidale Hospital Bankstown-Lidcombe Hospital Bathurst Base Hospital Blacktown Hospital Bowral and District Hospital Campbelltown Hospital Canterbury Hospital Coffs Harbour Base Hospital Concord Hospital Dubbo Base Hospital Gosford Hospital Goulburn Base Hospital Grafton Hospital Hornsby Ku-ring-gai Hospital John Hunter Hospital Lismore Base Hospital Liverpool Hospital Maitland Hospital Manning Base Hospital Nepean Hospital Northern Beaches Hospital Orange Health Service Port Macquarie Base Hospital Prince of Wales Hospital Royal North Shore Hospital Royal Prince Alfred Hospital Rvde Hospital Shoalhaven District Memorial Hospital

St George Hospital St Vincent's Hospital Darlinghurst South East Regional Hospital, Bega Tamworth Base Hospital The Sutherland Hospital The Tweed Hospital The Wollongong Hospital Wagga Wagga Base Hospital Westmead Hospital

Victoria

Albury Wodonga Health Ballarat Health Service Bendigo Health Box Hill Hospital Cabrini Malvern Dandenong Hospital Frankston Hospital Geelong Hospital Goulburn Valley Health Shepparton Latrobe Regional Hospital Maroondah Hospital Mildura Base Hospital Northeast Health Wangaratta Royal Melbourne Hospital Sandringham Hospital South West Healthcare Warrnambool

St Vincent's Hospital Melbourne The Alfred The Austin Hospital The Northern Hospital Werribee Mercy Hospital Western Health (Footscray)

Queensland

Bundaberg Hospital Cairns Base Hospital Gold Coast University Hospital Hervey Bay Hospital Ipswich Hospital Logan Hospital Mackay Base Hospital Mater Hospital Brisbane Princess Alexandra Hospital **QEII Jubilee Hospital** Redcliffe Hospital Robina Hospital Rockhampton Base Hospital Sunshine Coast University Hospital The Prince Charles Hospital The Wesley Hospital Toowoomba Hospital

Townsville Hospital

Western Australia

Albany Hospital Bunbury Regional Hospital Fiona Stanley Hospital Geraldton Regional Hospital Joondalup Health Campus Royal Perth Hospital Sir Charles Gairdner Hospital

South Australia

Flinders Medical Centre Lyell McEwin Health Service Mount Gambier Hospital Royal Adelaide Hospital The Queen Elizabeth Hospital

Tasmania

Launceston General Hospital North West Regional Hospital Royal Hobart Hospital

Northern Territory

Alice Springs Hospital Royal Darwin Hospital

Australian Capital Territory

Canberra Hospital

HIP FRACTURE CARE CLINICAL CARE STANDARD

The Hip Fracture Care Clinical Care Standard was released in 2016 by the Australian Commission on Safety and Quality in Health Care, in collaboration with the Health Quality and Safety Commission New Zealand. The Clinical Care Standard plays a role in ensuring the delivery of high-quality hip fracture care by describing the components of care that should be provided to older people admitted with a hip fracture.

The Hip Fracture Care Clinical Care Standard contains seven quality statements and 16 indicators. The next sections of this report detail results from both the patient and facility level audits against the Hip Fracture Care Clinical Care Standard quality indicators. The quality statements and indicators enable the calculation of a quantitative measure of care processes, structures, or outcomes.

The ANZHFR continues to report on outliers against each indicator, which can be used by clinicians or health service providers to identify areas of high-quality care, or areas that may require review.





Indicator 1a: Evidence of local arrangements for the management of patients with hip fracture in the emergency department

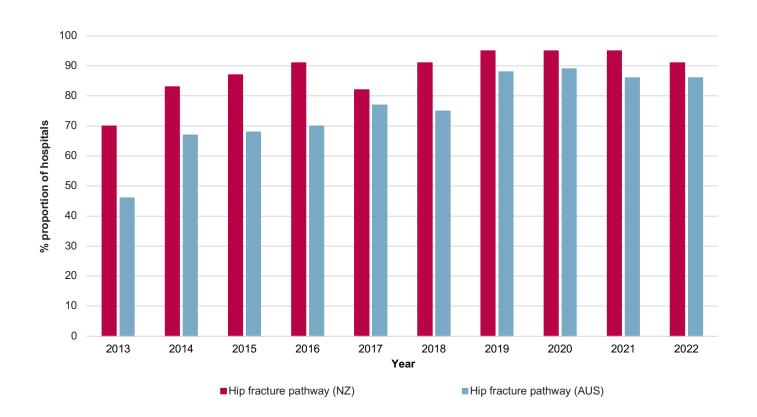
Figures 1 and 2 detail results from the 11th facility level audit of Australian and New Zealand hospitals undertaking surgical management of older people with a hip fracture.

The aim of the audit is to document the services, resources, protocols and practices that exist across both countries over time. 117 hospitals completed the audit for the 2022 calendar year. Where data is available, results have been reported from 2013-2022.

HIP FRACTURE PATHWAY

In 2022, 91% of New Zealand hospitals and 86% of Australian hospitals reported having a hip fracture pathway. The proportion of hospitals with a hip fracture pathway has remained relatively unchanged over the last four years.

FIGURE1 Hip fracture pathway as a reported element of hip fracture care in Australia and New Zealand 2013–2022

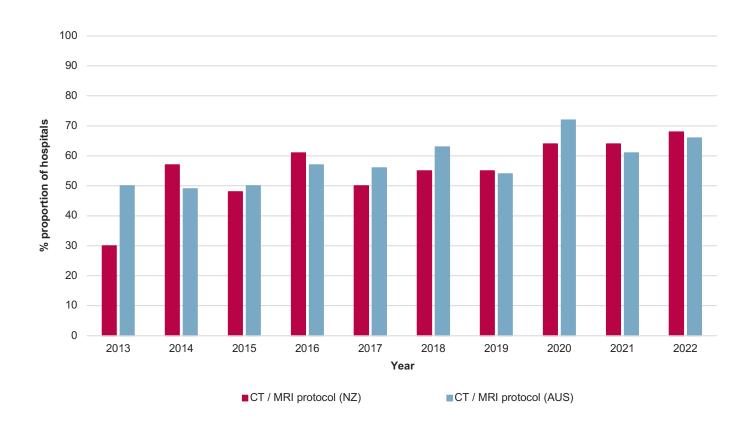




COMPUTED TOMOGRAPHY (CT) / MAGNETIC RESONANCE IMAGING (MRI)

In 2022, 68% of New Zealand hospitals and 66% of Australian hospitals reported the availability of a protocol or pathway to access either CT or MRI if plain imaging of a suspected fracture was inconclusive. Overall, the ability to access either CI or MRI imaging has improved over time in both countries.

FIGURE 2 CT/ MRI protocol as a reported element of hip fracture care in Australia and New Zealand 2013–2022



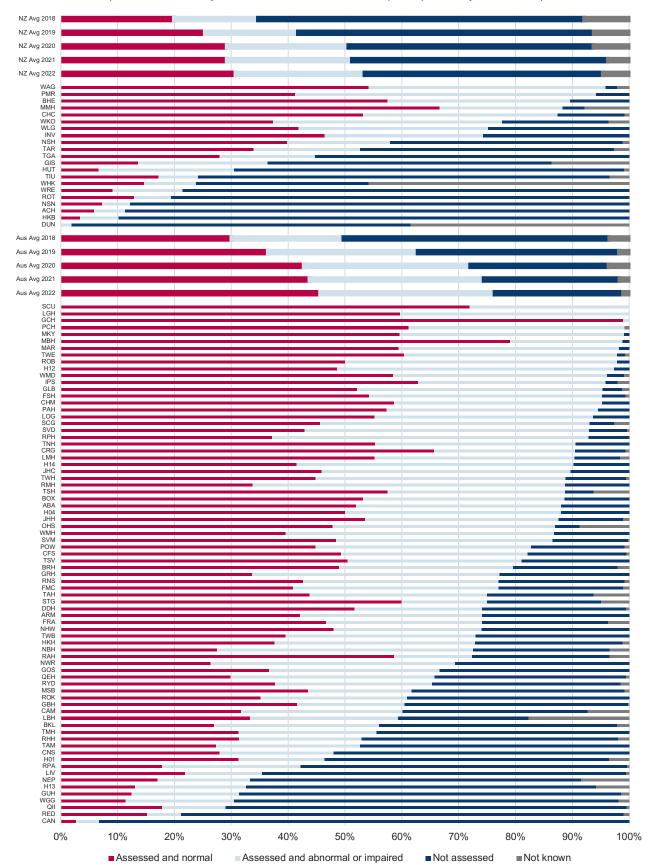




Indicator 1b: Proportion of patients with a hip fracture who have had their preoperative cognitive status assessed

Australia and New Zealand continue to show a year-on-year increase in preoperative assessment of cognition in hip fracture patients. In New Zealand, 53% of patients aged ≥65 years had their cognition assessed using a validated tool prior to surgery. Forty-two percent of those assessed had impaired or abnormal cognition. In Australia, 77% of patients ≥65 years had their preoperative cognition assessed. Forty percent of those assessed had impaired or abnormal cognition.

FIGURE 3 Preoperative cognitive assessment for people aged ≥65 years



334

PREOPERATIVE COGNITIVE ASSESSMENT BY AUSTRALIAN STATE FOR PEOPLE AGED ≥ 65 YEARS

FIGURE 4 New South Wales

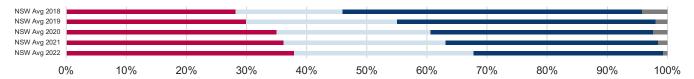


FIGURE5 Queensland

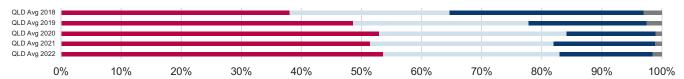


FIGURE 6 South Australia



FIGURE 7 Tasmania



FIGURE 8 Victoria

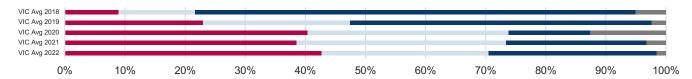
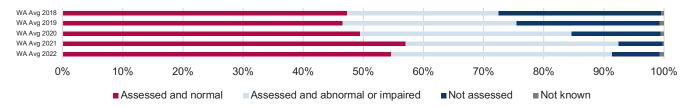


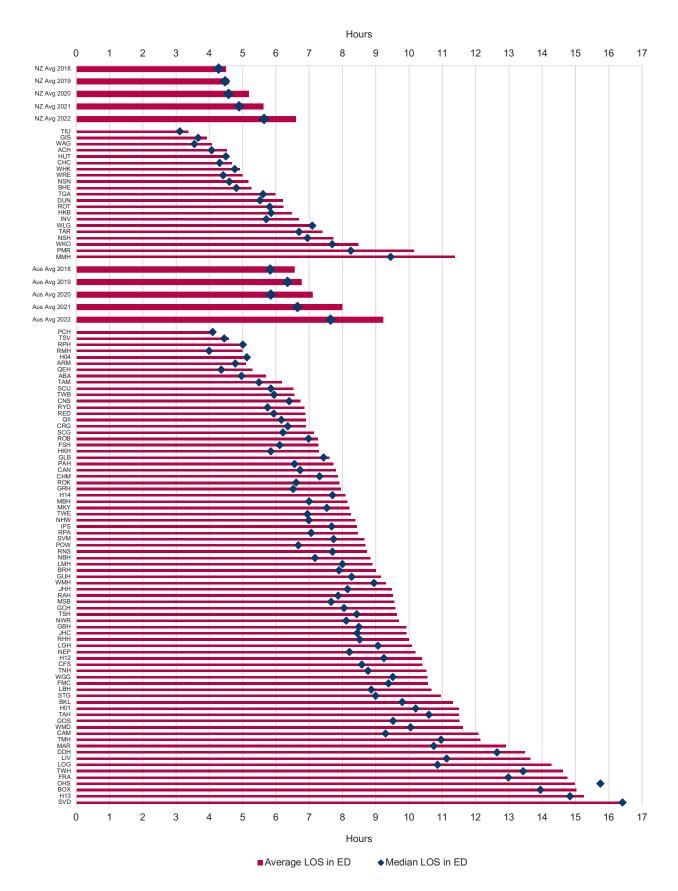
FIGURE 9 Western Australia





FIGUREIO Emergency department (ED) length of stay (LOS)

Average LOS in the ED continues to increase over time in both countries. In 2022, average LOS in New Zealand was 6.6 hours and average LOS in Australia was 9.2 hours. The median LOS in the ED increased to 5.6 hours in New Zealand and 7.7 hours in Australia.



TACKLING THE CHALLENGE OF LONGER TIME IN THE ED

DR CASEY BENNETTS, EMERGENCY PHYSICIAN, QEII JUBILEE HOSPITAL

The ANZHFR has observed increased ED LOS for hip fracture patients over the last year. Multiple factors have contributed to this, and the contributors on any one day, and at each hospital, can vary. Increased patient presentations contribute to ED overcrowding - this limits patient access to appropriate bed spaces to have their care delivered. COVID furlough and staffing shortages further limit the capacity of medical and nursing staff to attend to patients in a timely fashion. Access block into at-capacity hospital inpatient wards is an additional challenge commonly faced by ED's.

NOFEAR TEAM. THE PRINCE CHARLES HOSPITAL

The Prince Charles Hospital orthogeriatric unit has experienced a 30% increase in patients admitted with a diagnosis of fractured neck of femur (NOF). In 2022, our unit admitted 521 patients diagnosed with hip fracture. Despite the 30% increase in numbers over recent years, length of stay in the ED has stayed at 4 hrs. This has been due to a multidisciplinary collaboration between the ED and orthogeriatric unit.

All patients presenting with a suspected hip fracture are put on an ED NOF pathway. This leads to early identification of patients for prioritisation for X-rays

and analgesia, plus prioritisation of nerve blocks. In addition to our NOF pathway, nursing staff utilise a 'Silver Trauma' criterion at triage, where all suspected hip fracture patients are given a Category 2, which is instrumental for early diagnosis and management. This facilitates early ward admission on an interim pathway, whereby the patient is prescribed simple analgesia and intravenous fluids without a full medical / surgical admission being completed in the ED. This is done only if the patient is medically stable.

Our orthogeriatric unit is proactive and flexible to accommodate patients from ED. The model of care as to inpatient bed capacity aims to have a NOF bed available at all times or have an identified patient ready to outlie. This enables both departments to facilitate patient flow and minimise time in ED. Collaborative communication occurs between departments when ED identifies a pre-emptive 'Silver Trauma' as a suspected NOF pathway. ED then links in with the orthogeriatric unit to trigger the process of bed facilitation.

The dedicated collaborative multidepartment team understands the frailty and complexity of NOF patients to ensure they receive timely care as per the Hip Fracture Clinical Care Standard. It really exemplifies what we can achieve together despite increasing patient presentations.





This gentleman's experience of a hip fracture was written in the ED by his daughter.

He fell in Residential Aged Care two days prior to transfer to hospital. He subsequently spent 12 hours in the ED at the hospital he presented to, awaiting a bed at another hospital, where he was to be transferred for his surgery.

This delay resulted in ED escalating to the hospital executive and seeking permission to admit the patient to the presenting hospital instead, which occurred. He had surgery 48 hours after arrival to hospital, and approximately 96 hours after his injury.

Delaying the diagnosis and then surgery means extending the pain and recovery. It has been distressing for us as family to witness. It has been devastating for him. My dad was taken to hospital on a Monday morning. At the hospital, he was diagnosed as having a NOF fracture.

Two days earlier, he had a fallen. This was his second fall in just over a week. After the first fall, he developed a significant haematoma and he was taken to hospital immediately. Scans and x-rays came back clear. This time, he struck his head and must have fallen heavily on his left hip again.

We were told that the staff at the nursing home had assessed him and considered it was not necessary for him to be sent to hospital. An after-hours doctor was called but did not turn up.

On the day of the fall, he was in pain when he was moved around and he was vocal about it. He collapsed again when he was coming back to bed from the toilet and was very fearful of standing up. He kept saying he could not stand but was told he had to stand to get back to bed.

After this incident, he was given a Sara Stedy to move around from bed to toilet and chair.

He was in pain and asked the staff to move him slowly and gently. Changing his incontinence pads, clothes and his wound dressings necessitated more movement. They wanted to give him a shower but he protested and I requested a bed wash.

Dad requested Panadol many times but he was only charted for this 3x/day. I requested Nurofen but they said the doctor had to chart it and it hadn't been ordered.

Over the last two days he has been prodded, pulled, dragged and thrown around "like a log" (his words). He has been in constant pain. On the third day, the nursing home finally sent him to the Emergency Department. Dad being stoic had put up with the pain but this was all so unnecessary.

ED LOS BY AUSTRALIAN STATE





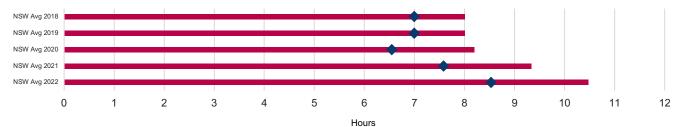


FIGURE 13 Queensland

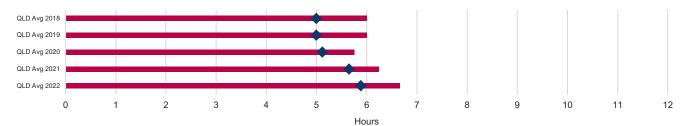


FIGURE14 South Australia

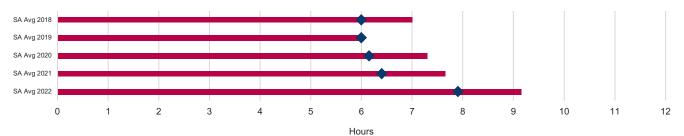


FIGURE15 Victoria

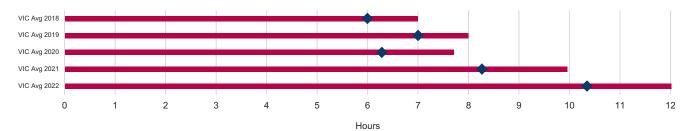


FIGURE 16 Tasmania

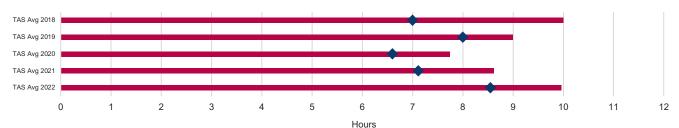


FIGURE17 Western Australia



◆ Median

■Average



QUALITY STATEMENT 2: Pain

Pain Management

A patient with a hip fracture is assessed for pain at the time of presentation and regularly throughout their hospital stay, and receives pain management including the use of multimodal analgesia, if clinically appropriate.

Indicator 2a: Evidence of local arrangements for timely and effective pain management for hip fracture



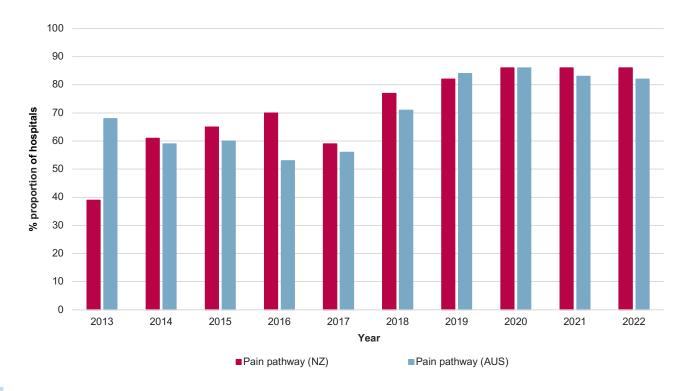
PAIN PATHWAY

In 2022, a protocol or pathway for pain was available at 86% of New Zealand hospitals and 82% of Australian hospitals. The existence of a protocol or pathway for pain has remained relatively static over the last four years.

The facility level audit also asks if patients are offered local nerve blocks as part of pre- and postoperative pain management. Ninety-one percent (20/22) of New Zealand hospitals and 99% (94/95) of Australian hospitals responded that patients were 'always'

or 'frequently' offered nerve blocks preoperatively. Seventy-seven percent (17/22) of New Zealand hospitals and 83% (79/95) of Australian hospitals responded that patients were 'always' or 'frequently' offered nerve blocks for postoperative pain relief.

FIGURE17 Pain pathway reported as an element of care in Australia and New Zealand 2013–2022



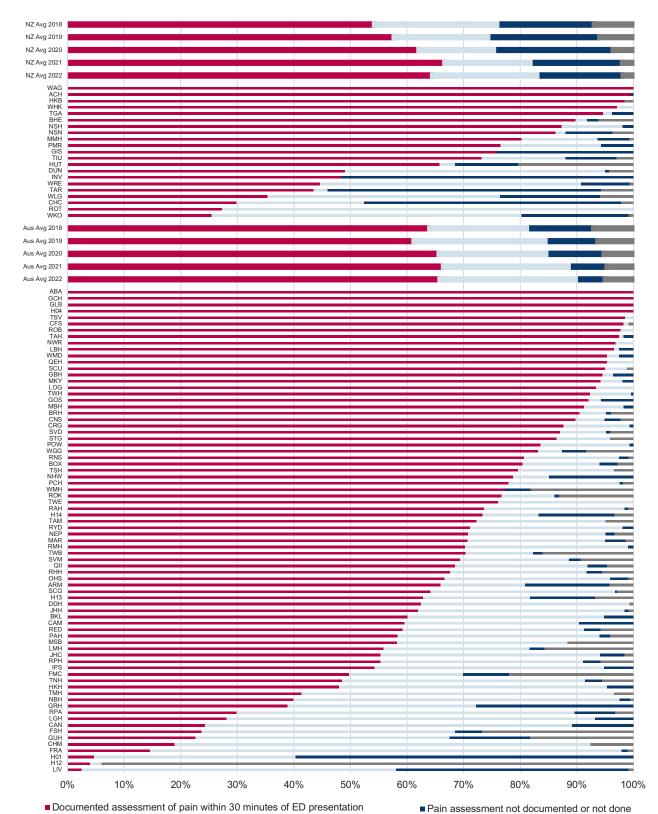




Indicator 2b. Proportion of patients with a hip fracture who have documented assessment of pain within 30 minutes of presentation to the ED and either receive analgesia within this time or do not require it according to the assessment

On average, 64% of New Zealand hip fracture patients and 66% of Australian hip fracture patients had a documented assessment of pain within 30 minutes of presentation.

FIGURE 18 Pain assessment within 30 minutes of ED presentation



■ Documented assessment of pain greater than 30 minutes of ED presentation

PAIN ASSESSMENT WITHIN 30 MINUTES OF ED PRESENTATION BY AUSTRALIAN STATE



FIGURE19 New South Wales

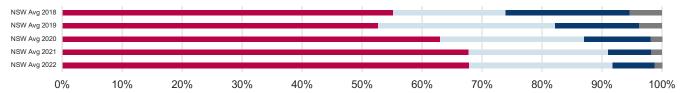


FIGURE 20 Queensland

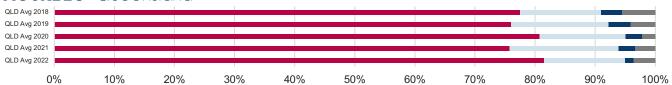


FIGURE 21 South Australia

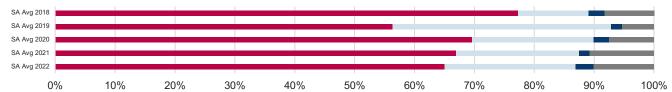


FIGURE 22 Tasmania

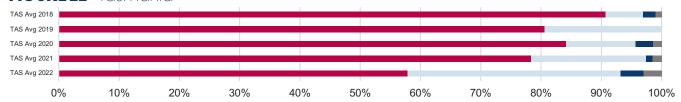


FIGURE 23 Victoria

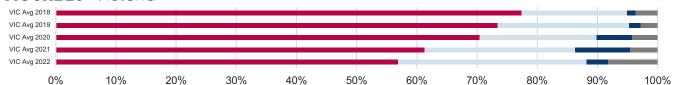
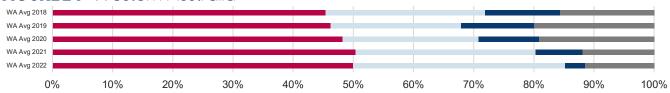


FIGURE 24 Western Australia



- Documented assessment of pain within 30 minutes of ED presentation
- ■Pain assessment not documented or not done

- Documented assessment of pain greater than 30 minutes of ED presentation
- Not known



QUEEN ELIZABETH HOSPITAL:NO PAIN – THAT'S THE AIM!

The Queen Elizabeth Hospital (QEH) ED has achieved impressive results in the management of fractured hips:

- > Median ED LOS 4.3 hours.
- > Pain assessment within 30 mins: 95%;
- > Analgesia given within 30 mins: 76%
- Most nerve blocks at QEH are given before theatre

We have achieved this through a variety of strategies.

We use a hip fracture pathway that is accessed through the electronic medical record and can be immediately downloaded by more junior staff. This details the processes that need to be completed to facilitate transfer of the patient to the ward and provides a quick and easy reference for staff who may be unfamiliar with local processes.

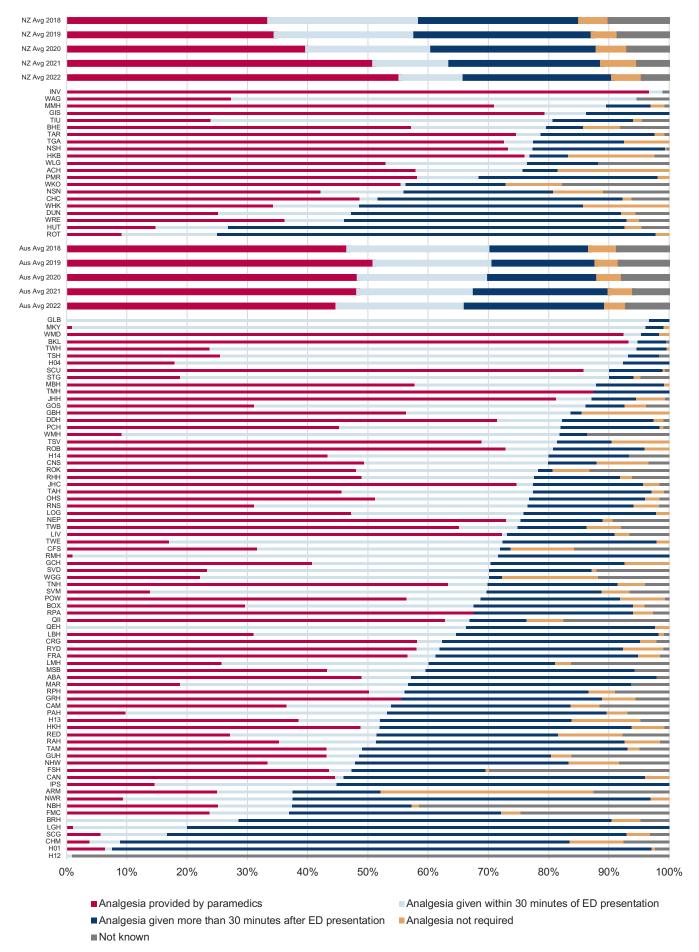
We educate all consultants, registrars and some senior resident medical officers to administer femoral nerve blocks – this minimises the delay in providing comprehensive analgesia before ward transfer.

We also have a system whereby between 22:00 and 06:00, stable and uncomplicated NOF patients can be transferred to the ward without orthopaedic consult. The orthopaedic team are then informed of the admission at 0600 the following morning.

FIGURE 25 Pain management in the ED

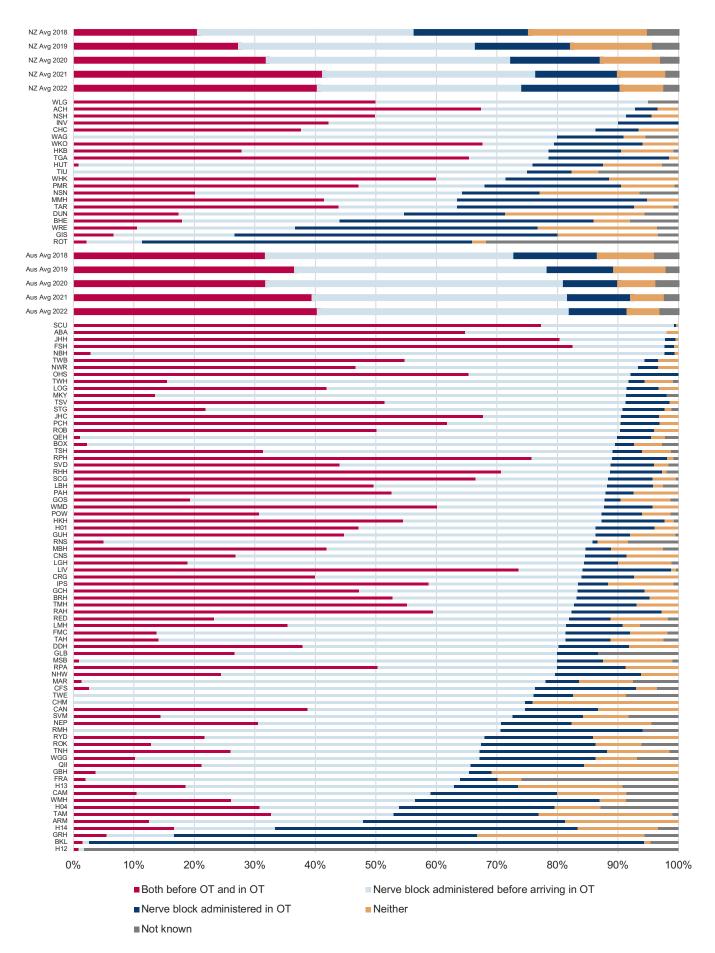


Sixty-six percent of hip fracture patients in Australia and New Zealand received analgesia either in transit (by paramedics) or within 30 minutes of arrival at the ED.





Seventy-four percent of patients in New Zealand, and 82% of patients in Australia received a nerve block before arriving in the operating theatre.



USE OF NERVE BLOCKS BY AUSTRALIAN STATE



FIGURE 27 New South Wales

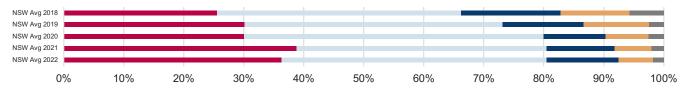


FIGURE 28 Queensland

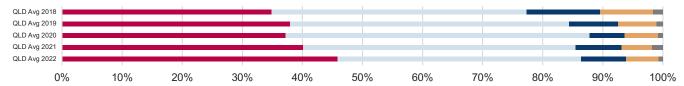


FIGURE 29 South Australia

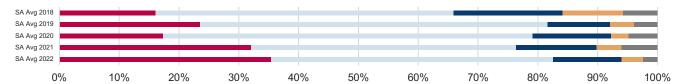


FIGURE 30 Tasmania

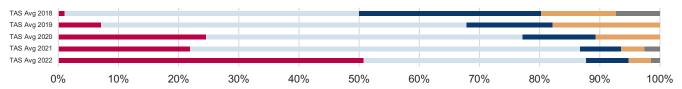


FIGURE 31 Victoria

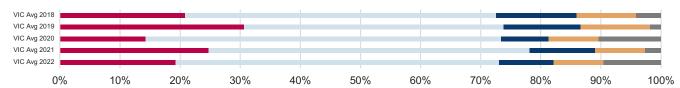
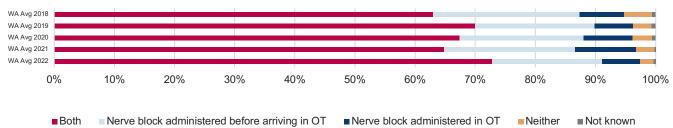


FIGURE 32 Western Australia





QUALITY STATEMENT 3: Orthogeriatric model of care

A patient with a hip fracture is offered treatment based on an orthogeriatric model of care as defined in the Australian and New Zealand Guideline for Hip Fracture Care.

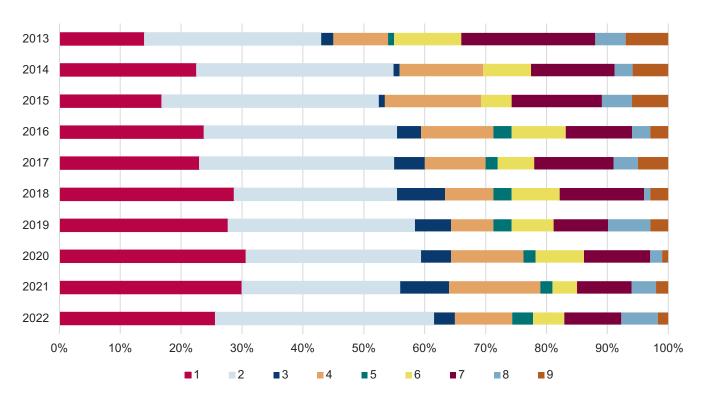
Indicator 3a. Evidence of orthogeriatric (or alternative physician or medical practitioner) management during an admitted patient's hip fracture episode of care



Health services should ensure systems are in place to offer hip fracture care that is based on an orthogeriatric model of care, as recommended in the Australian and New Zealand Guideline for Hip Fracture Care¹.

In 2022, 62% (72/117) of hospitals reported a shared care arrangement or a daily weekday orthogeriatric liaison service, representing a steady increase over time (Figure 33). However, there was a small reduction in the proportion of hospitals reporting a shared care arrangement between orthopaedics and geriatric medicine. Only 2% (2/117) of hospitals reported that no formal service existed at the time of the audit.

FIGURE 33 Orthogeriatric care service model by hospital (New Zealand and Australia combined) 2013–2022



- A shared care arrangement where there is joint responsibility for the patient from admission between orthopaedics and geriatric medicine for all older hip fracture patients
- 2. An orthogeriatric liaison service where geriatric medicine provides regular review of all older hip fracture patients (daily during working week)
- 3. A medical liaison service where a general physician or GP provides regular review of all older hip fracture patients (daily during working week)
- 4. An orthogeriatric liaison service where geriatric medicine provides intermittent review of all older hip fracture patients (2-3 times weekly)
- 5. A medical liaison service where a general physician or GP provides intermittent review of hip fracture patients (2-3 times weekly)
- 6. An orthogeriatric liaison service (2014) / geriatric service (2015) where a consult system determines which patients are reviewed
- 7. A medical liaison service (2014) / medical service (2015) where a consult system determines which patients are reviewed
- 8. Other
- 9. No formal service exists

¹ Australian and New Zealand Hip Fracture Registry Steering Group. (2014). Australian and New Zealand guideline for hip fracture care: improving outcomes in hip fracture management of adults. Sydney: ANZHFR Steering Group. Available from: anzhfr.org/resources/

NSW AGENCY FOR CLINICAL INNOVATION RELEASES ORTHOGERIATRIC HIP FRACTURE CARE: CLINICAL PRACTICE GUIDE

A shared care approach, involving multidisciplinary teams, family and carers, should be in place when caring for patients with a hip fracture. This results in higher quality of care and better outcomes for patients.

This guide highlights best practice recommendations across the inpatient journey: from the time a patient with a hip fracture arrives at the hospital to the time they are discharged. It provides considerations for:

- > preoperative care
- surgery
- > postoperative management
- > transfer of care planning.

The Orthogeriatric hip fracture care: Clinical practice guide aims to inform contemporary clinical practice for orthogeriatric hip fracture care.

As there is no single best type of model of care, the guide recommends healthcare settings should develop a shared care model that meets the needs of their patients and suits their capacity, staffing and requirements.

Download the guide at:

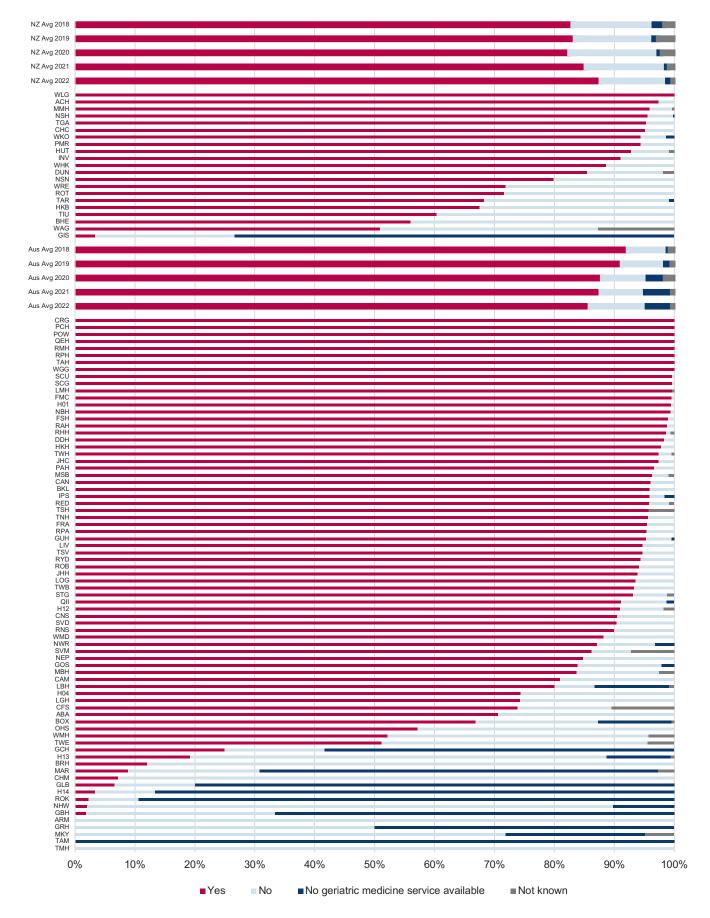
aci.health.nsw.gov.au/resources/ aged-health/hip-fracture/orthogeriatric -hip-fracture-care.



FIGURE 34 Assessed by geriatric medicine during acute admission



In New Zealand, 88% of hip fracture patients saw a geriatrician during their acute hospital stay, representing an increase over time. In Australia, the proportion of patients seen by a geriatrician has decreased over the last five years, some of which may be attributable to service reconfiguration during the COVID-19 pandemic. In 2022, 86% of patients in Australia saw a geriatrician during their acute hospital stay.





ASSESSED BY GERIATRIC MEDICINE DURING ACUTE ADMISSION BY AUSTRALIAN STATE

FIGURE 35 New South Wales

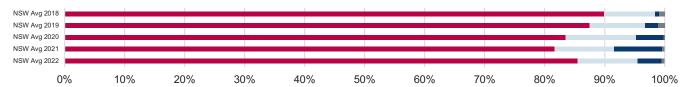


FIGURE 36 Queensland

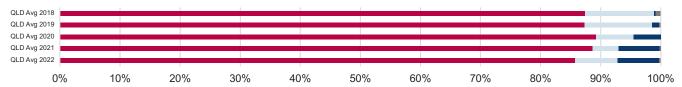


FIGURE37 South Australia

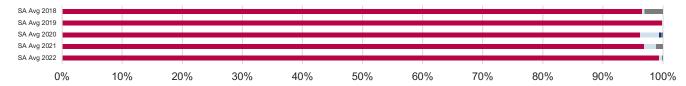


FIGURE 38 Tasmania

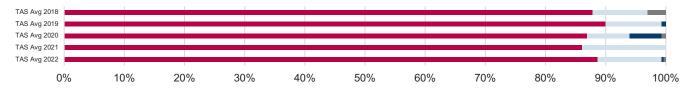


FIGURE 39 Victoria

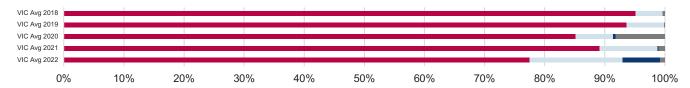
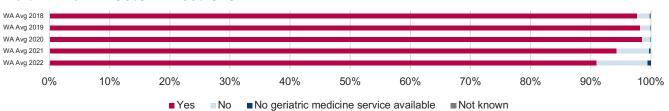


FIGURE 40 Western Australia





QUALITY STATEMENT 4: Timing of Surgery

A patient presenting to hospital with a hip fracture, or sustaining a hip fracture while in hospital, receives surgery on the day of or the day after, where clinically indicated and surgery is preferred by the patient.



Indicator 4a: Proportion of patients with a hip fracture receiving surgery within 48 hours of presentation with the hip fracture

Prompt hip fracture surgery reduces morbidity, aids functional recovery, and reduces length of stay.

Figure 41 shows that 83% of patients in New Zealand and 76% of patients in Australia who underwent surgery were operated on within 48 hours of presentation to the first hospital. This represents a decrease compared to the last three years in both countries. There is considerable variation between sites, particularly in Australia where between 49% and 96% of patients received surgery within 48 hours.

Figure 42 provides useful information for hospitals and health services wishing to improve the proportion of patients treated within 48 hours as it highlights causes for surgical delay. The primary modifiable reasons for delay remain as access to theatres and deemed medically unfit.

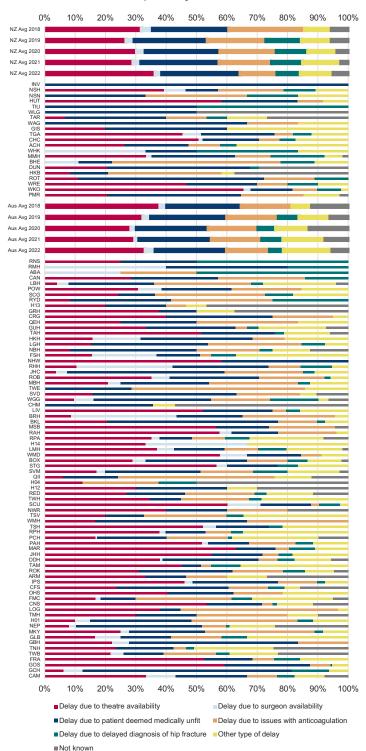
FIGURE 41

Surgery within 48 hours

50% 100% NZ Ava 2018 NZ Avg 2019 NZ Ava 2020 NZ Avg 2021 NZ Ava 2022 INV NSH NSN HUT TIU WLG TAR WAG GIS TGA CHC ACH WHK MMH BHE DUN HKE ROT WRE WKC PMF Aus Avg 2018 Aus Avg 2019 Aus Avg 2020 Aus Avg 2021 Aus Avg 2022 RNEAGARACHOS PROBLEAR A HARANE HAGO BENESONOS LIKAS BRANKA KALANE BONOS COLORONOS LIKAS BRANKA BARANE BARAN

FIGURE 42

Reason for delay longer than 48 hours



50%

100%

0%

SURGERY WITHIN 48 HOURS BY AUSTRALIAN STATE



FIGURE 43 New South Wales

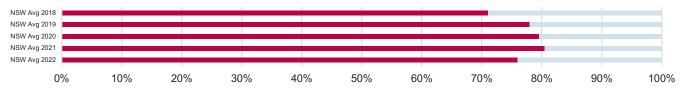


FIGURE 44 Queensland

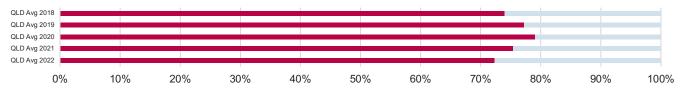


FIGURE 45 South Australia

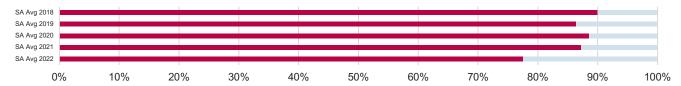


FIGURE 46 Tasmania

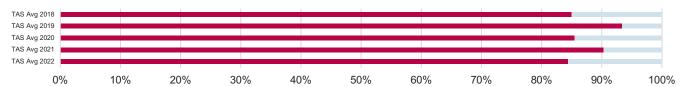


FIGURE 47 Victoria

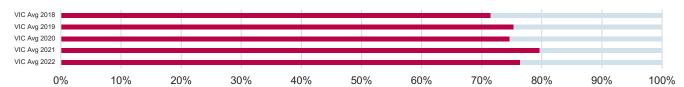
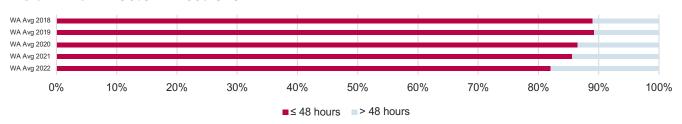


FIGURE 48 Western Australia





This year, we highlight a variety of perspectives on what is driving the increase in surgical delay and potential system— and hospital—level improvement strategies.



WHAT'S DRIVING THE INCREASING DELAY TO SURGERY?

What strategies might help meet the challenges?

THE AUSTRALIAN ORTHOPAEDIC ASSOCIATION (AOA)

The AOA is concerned by the increase in average time to surgery for non-transferred patients with neck of femur fractures in 2022, compared to previous years. While the increase is almost certainly multifactorial, potential contributors include an increase in trauma caseload in the public sector, workforce shortages affecting both public and private sectors, and increasing medical complexity of our elderly population.

The ANZHFR 2022 Annual Report has identified theatre availability as the most common reason for delays beyond 48 hours in Australian hospitals. Increased trauma caseload, large elective waiting lists following the COVID-19 pandemic, and ongoing workforce shortages may be implicated.

The AOA encourages hospitals and health services to actively address delays to theatre access for patients with neck of femur fractures. Multidisciplinary collaboration between orthopaedic, orthogeriatric, anaesthetic, and theatre management teams will be imperative to ensure our patients receive appropriate and timely care.



DR SETH TARRANT, CONSULTANT ORTHOPAEDIC SURGEON, JOHN HUNTER HOSPITAL. NSW

The latest ANZHFR demonstrates that time to theatre has markedly increased after several consecutive years of improvement. This is disappointing after concerted efforts to improve the quality of care, however, is reflective of the post-pandemic health care environment. At our institution, the overt factors leading to decreased theatre efficiencies have been bed availability in tandem with national nursing and anaesthetic workforce shortages. Currently, our institution's bed availability has not returned to prepandemic levels. Bed block has led to patients spending longer time in emergency departments before arriving on the ward. Increasing inter-hospital transfers combined with discharge blocks to rehab and aged care facilities, also driven by workforce shortages, have pushed our institution beyond capacity. Despite decreased elective operating, the ability to run adequate orthopaedic trauma theatres has been crippled. As a centre that accepts complex polytraumatised patients, our service has been forced to triage trauma in methods that were not previously necessitated. I believe the ANZHFR results reflect these pressures.

The major reason for delay is highlighted as theatre availability, a potentially reversible finding. However, whilst the physical operating rooms exist, staffing remains the critical dilemma. Hospital recruitment of nursing staff at our institution, drawing on both national and international pools, has been successful recently and may ameliorate some of the inability to staff orthopaedic trauma theatres. The shortage of anaesthetic cover is far more complex and is being felt far worse in rural centres.

The obvious panacea to workplace deficiencies is sustained recruitment and retention strategies. This is complex and may take years. In the short term, all clinicians looking after hip fractures must ensure timely assessment in adhering to ANZHFR guidelines. Due to bed block and prolonged emergency stay times, increased vigilance may be needed to identify patients expeditiously. Firm and timely plans are needed from acute orthogeriatric, anaesthetic, orthopaedic and subspecialist teams. Theatre time is critical, and it cannot be wasted. Any patient that materialises in an anaesthetic bay with weak perioperative plans will waste time and contribute to the expanding delays. Whilst we are currently not in medical austerity, it is critical that we are cognisant of our diminished resources and are inspired to be as efficient as possible. Hip fracture patients will be the ultimate beneficiaries.

MR MARK WRIGHT, THE NEW ZEALAND ORTHOPAEDIC ASSOCIATION (NZOA)

From the perspective of an Orthopaedic Surgeon working at Auckland City Hospital, the factors driving the increased time to surgery will include patient co-morbidities and the need for medical optimisation including managing coagulation and theatre availability.

The lack of theatre availability relates to the fact that hip fracture patients are on an acute list which includes many other patients with fractures e.g. ankle fractures and forearm fractures. On any given day, each service has to prioritise which patients are treated and in what order on the list. Some patients would take priority over hip fracture patients.

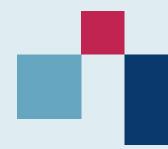
Orthopaedic surgeons in New Zealand would be aware of the benefits of treating hip fractures as soon as possible after admission, and would therefore prioritise these patients as best as possible. Hospital level strategies that could be implemented to reduce surgical delay after hip fracture would include specific lists for hip fractures. It would also include increasing the awareness within the service of the benefits to hip fracture patients related to early treatment, although this would not always negate the need to prioritise other acute injuries.

DR FRAZER ANDERSON, CONSULTANT IN GERIATRIC MEDICINE, DIRECTORATE OF MEDICAL AND ELDER SERVICES, NORTHLAND, NZ

Delay to surgery in patients with a hip fracture is driven by many of the same factors affecting other hospital services – high bed occupancy, staff shortages, pressure on theatre time and increasing patient frailty.

People with a hip fracture are often very frail with multiple medical problems. Including senior medical assessment as standard reduces the delays commonly seen in a referral-based model.

An integrated perioperative management team involving anaesthetists, geriatricians and surgeons offers proven benefits including shorter time to surgery and fewer complications. A team approach can pay for itself through reduced acute length of stay and quicker rehabilitation.





DR HANNAH SEYMOUR, CONSULTANT GERIATRICIAN, FIONA STANLEY HOSPITAL. WA

The number of hip fracture patients is relatively stable; however, we have seen an increasing number of people with periprosthetic and distal femur fractures – they have the same urgency as those with a hip fracture. Patients unfortunately do not come in an even distribution. Peaks in demand make it difficult to always deliver early surgery, which we know benefits patients.

As the population ages, incremental increases in activity each year have meant that, without additional theatre capacity, achieving the target time to surgery is not always possible. This has been more difficult to deliver with workforce shortages in theatre and sickness rates higher than prior to the COVID-19 pandemic. There is continued pressure to achieve elective waitlist reductions, which makes utilising elective capacity when demand peaks impossible.

We are utilising the hip fracture registry data to demonstrate to our hospital leadership group the ongoing impact of sustained activity increases. This, along with other data from our hospital, is required to make the case for additional theatre capacity.

WA implemented a best practice payment for hip fracture care from 2012 to 2016. This was a small payment (\$200 per patient) which went to the hospital department to support ongoing improvements in care.

Time to surgery proved to be the key variable that led to the payment being achieved – surgery had to be performed within 36 hours to get the payment. At that time, prioritisation of hip fracture patients was not consistent and there was less consensus about the optimisation of patients preoperatively versus early surgery.

The best practice payment led to the development of local guidelines to address these issues. The payment was withdrawn in 2016 and although it is hard to be certain, that may have led to less senior executive oversight of time to surgery for hip fracture patients.

Would an incentive payment at a state or national level be a driver for improved care for our patients?

ROYAL NORTH SHORE HOSPITAL EXCELS IN PROVIDING PROMPT SURGERY



At Royal North Shore Hospital in 2022, 97% of patients had surgery within 48 hours and the hospital had the shortest average time to surgery in Australia (23 hours).

Royal North Shore Hospital's favourable time to theatre is due to a hospital-wide effort with invested clinicians and key performance indicators embedded in our culture. We face many of the challenges that all hospitals face, with limits on resources and theatre times.

The most important determinant has been an Orthopaedic service that has a consultant led surgical culture. This has meant that our surgeons are in the hospital operating, leading decisions and being active in advocacy for hip fracture patients and timing of surgery. There has been a long-standing effort given to prioritising early surgery and early collaborative geriatric medical care that preceded guidelines, and an adoption of care based on literature favouring more comprehensive care. The support of the geriatricians was instrumental in seeing patients quickly and "clearing" them for surgery, eliminating unnecessary pre-operative tests and reducing surgical cancellations. This contributed to a "can do" attitude with our anaesthetists.

Later two very welcomed things helped significantly. The first was the allocation of regular weekday orthopaedic trauma theatres, each controlled by the on-call surgeon as the main decision maker. This allowed the orthopaedic department's surgical philosophy to be implemented, and hip fracture patients to be truly prioritised. Later the ANZHFR and then NSW Health guidelines helped enormously to advocate to administrators. From these came a much more targeted intervention-based system of care across many health disciplines and allowed us to bring together a working group of enthusiastic interdisciplinary people and measurements of performance.

So, culture and pride continue to play a part. The surgical side is well supported by orthopaedic nursing, orthogeriatricians, anaesthetics and theatre leaders. We have people that want to do better in the future, and that is always a part of excellence in the present.

We can still do better. Our hospital is still under severe bed pressure, we do not have dedicated weekend orthopaedic trauma theatres. We could improve streamlining care to discharge pathways and early mobilisation, especially at weekends. At times the orthopaedic surgeons still feel that others decide surgical priority, and that capacity is insufficient. We must be vigilant at all times.





STATEMENT 5: Mobilisation and weight bearing

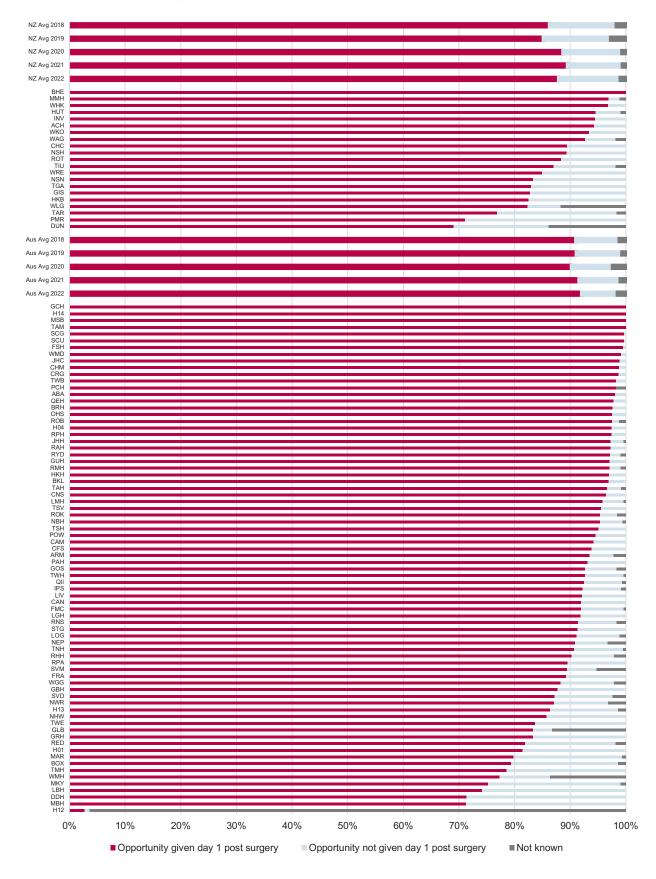
A patient with a hip fracture is offered mobilisation without restrictions on weight bearing the day after surgery and at least once a day thereafter, depending on the patient's clinical condition and agreed goals of care.

Indicator 5a: Proportion of patients with a hip fracture who are mobilised on day one post hip fracture surgery



Eighty-eight percent of hip fracture patients in New Zealand and 92% in Australia were given the opportunity to mobilise the day after surgery.

FIGURE 49 Opportunity for first day mobilisation



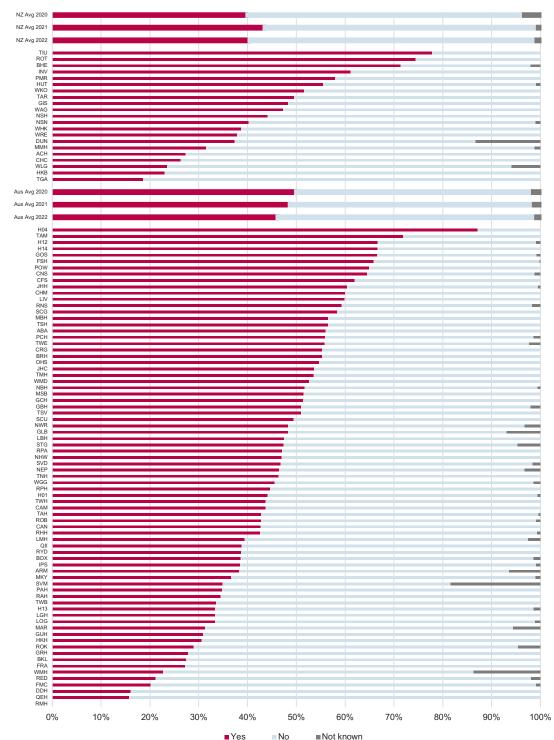




The Acute Rehabilitation Sprint Audit aimed to identify initial postoperative rehabilitation practices across Australia and New Zealand to better understand care in the acute setting. In 2022, 36 facilities across Australia and New Zealand completed the audit and provided information on 437 hip fracture patients. The results can be accessed from anzhfr.org/sprintaudits/. Work is ongoing to look at the association between frequency of acute rehabilitation, timing of commencement of acute rehabilitation, type of therapy received on day one and the impact on patient outcomes.

FIGURE 50 First day walking

Early mobilisation is associated with survival and recovery for patients after hip fracture². Forty percent of patients in New Zealand and 46% of patients in Australia achieved first day walking. This represents a reduction compared with the previous year in both countries.



2 Goubar, A., et al. (2021). "The 30-day survival and recovery after hip fracture by timing of mobilization and dementia: a UK database study."

Bone Joint J 103-B(7): 1317-1324.

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FIRST DAY WALKING BY AUSTRALIAN STATE

FIGURE 51 New South Wales

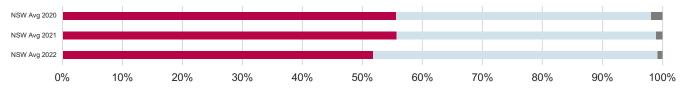


FIGURE 52 Queensland

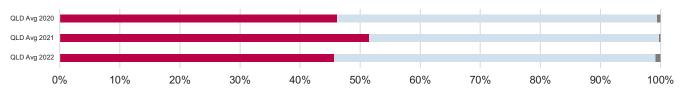


FIGURE 53 South Australia

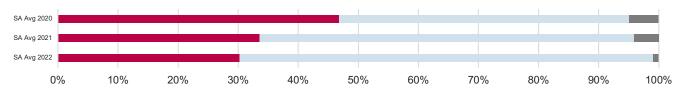


FIGURE 54 Tasmania

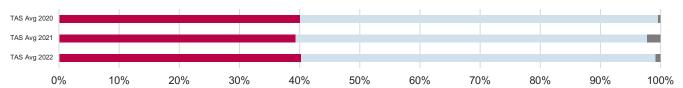


FIGURE 55 Victoria

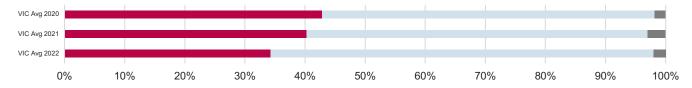
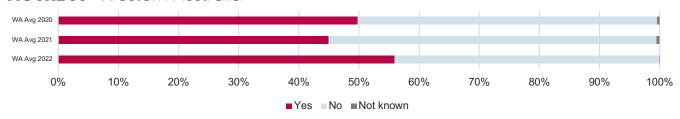


FIGURE 56 Western Australia

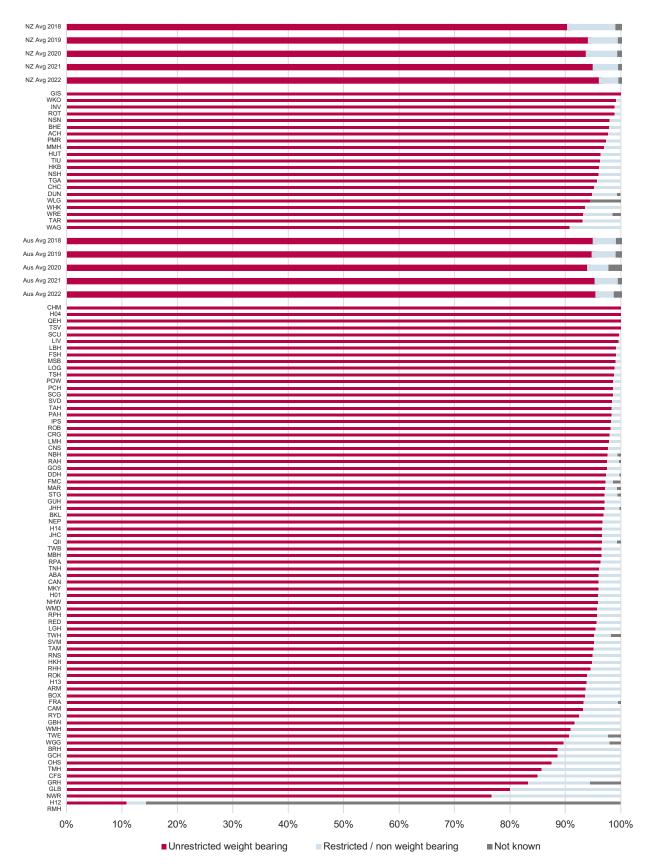




Indicator 5b: Proportion of patients with a hip fracture with unrestricted weight bearing status immediately post hip fracture surgery

Allowing immediate unrestricted weight bearing after surgery supports early rehabilitation and functional recovery. Figure 57 shows that 96% of patients in both Australia and New Zealand were permitted to weight bear without restriction after surgery. Some variation between hospitals remains evident.

FIGURE 57 Weight bearing status after surgery



WEIGHT BEARING STATUS AFTER SURGERY BY AUSTRALIAN STATE



FIGURE 58 New South Wales

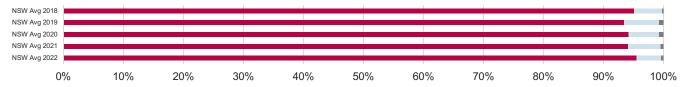


FIGURE 59 Queensland

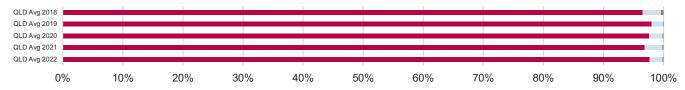


FIGURE 60 South Australia

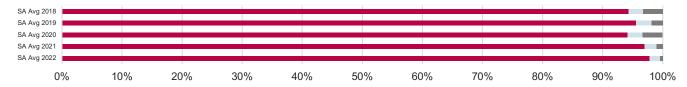


FIGURE 61 Tasmania

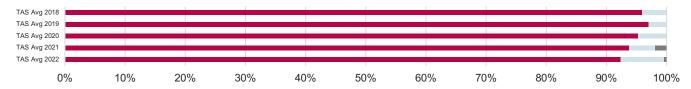


FIGURE 62 Victoria

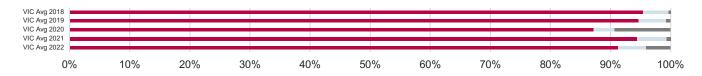
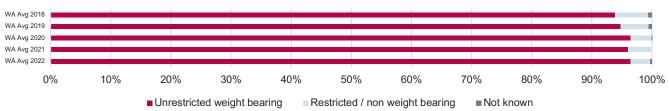


FIGURE 63 Western Australia

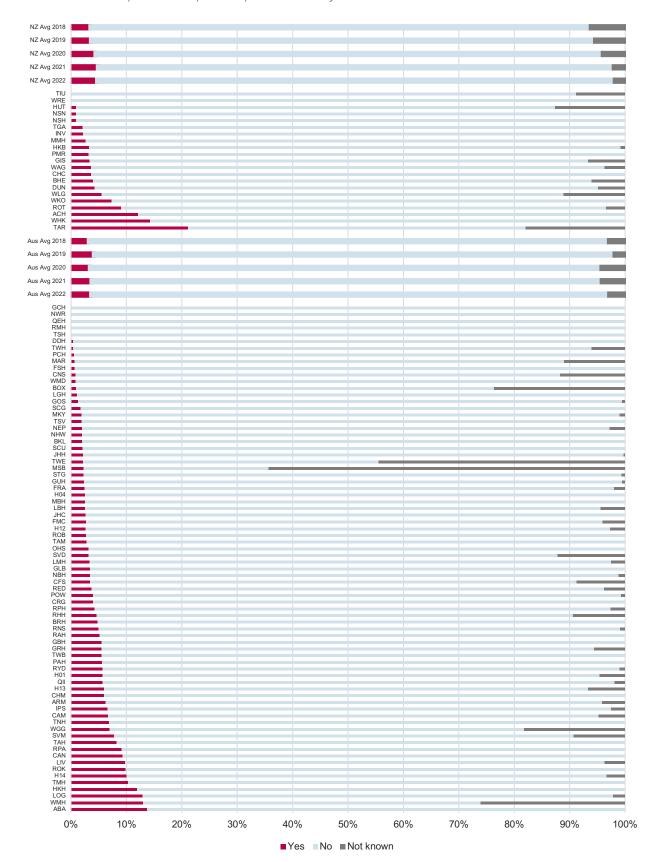




Indicator 5c: Proportion of patients with a hip fracture experiencing a new Stage II or higher pressure injury during their hospital stay

A pressure injury of the skin is a potentially preventable complication of hip fracture care. It is associated with delayed functional recovery and an increased length of stay. Five percent of patients in New Zealand and 4% in Australia were documented as acquiring a stage 2 or greater pressure injury of the skin during their acute hospital stay.

FIGURE 64 Hospital acquired pressure injuries of the skin





HOSPITAL ACQUIRED PRESSURE INJURIES OF THE SKIN BY AUSTRALIAN STATE



JOHN HUNTER HOSPITAL MOVES ON EARLY MOBILISATION

John Hunter Hospital (JHH) in Newcastle is the largest volume trauma centre in NSW and provides care to over 450 hip fracture patients per year. The JHH values the real time ANZHFR data and utilises this to monitor performance to ensure best patient care. In November 2021, JHH physiotherapy, orthogeriatrics and orthopaedic services reviewed ANZHFR first day walking data and acknowledged opportunities for improvement in the management of hip fracture patients. The JHH had 22% of patients achieve first day walking as per the 2021 ANZHFR annual report.

Independent of the ANZHFR report, researchers from the Injury and Trauma Research Program of the Hunter Medical Research Institute identified that first postoperative day walking is a more important predictor of optimal outcome than the weight bearing status³.

Our less than optimal performance and local evidence on the importance of this first day mobilisation created the conducive environment for quality improvement.

We established a steering committee (including a physiotherapist, the orthopaedic clinical nurse consultant and an orthogeriatric consultant) and completed an audit of the clinical records of those patients not achieving first day walking, as recorded in the ANZHFR. This audit identified the need for improved and accurate clinical documentation to safeguard data collection and ensure first day walking is at the forefront of the patient's postoperative journey.

A physiotherapy 'Champion' was appointed to coordinate and implement a targeted education program supporting physiotherapy to improve opportunities provided for first day walking. Education regarding early mobilisation is now regularly delivered through in-services, safety



huddles and clinical supervision sessions. We also focussed on improving specific documentation by physiotherapists, which makes data collection easier and more accurate.

With the support of enthusiastic nursing staff and the wider multidisciplinary team, early mobility is now incorporated into all aspects of the patients' care, including meal times and personal hygiene tasks.

We are proud to see objective improvements in the number of patients that are walking on their first day postoperatively, with 60% of patients achieving first day walking in 2022. We are committed to improving the outcomes for these patients, now and into the future.

³ Tarrant, S. M., et al. (2022). "The influence of weight-bearing status on post-operative mobility and outcomes in geriatric hip fracture." Eur J Trauma Emerg Surg 48(5): 4093-4103.

Indicator 5d: Proportion of patients with a hip fracture returning to pre-fracture mobility



Return to pre-fracture mobility, a measure of functional recovery as reported by the patient, is captured as part of 120-day follow-up at sites where 120-day follow-up occurs. In previous years, 120-day follow-up was only reported for sites that completed >80% of 120-day follow-up. This year, the ANZHFR has reported 120-day follow-up for all sites, in order to acknowledge the work that goes into undertaking the follow-up and amplify the patient's voice in the data reported.

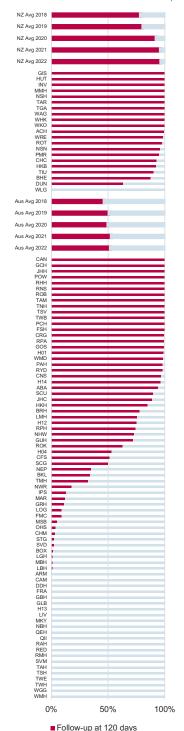
Figure 71 reports the proportion of patients followed up at each hospital. Follow-up is completed by staff at the

treating hospital via telephone, and the variation reflects local differences in resources. In New Zealand, 97% of records had data for 120 days. In Australia, 52% of records had data for 120 days. There is a high proportion of not known follow-up data, particularly in Australia, suggesting caution with interpretation of the results. The results can be confidently interpreted where follow-up is near complete.

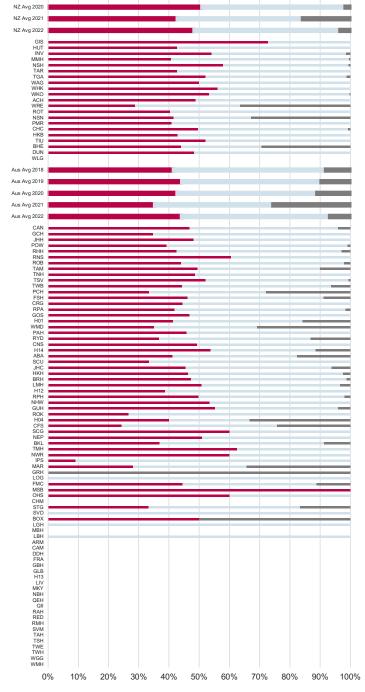
Where follow-up was completed, 48% of patient's in New Zealand and 44% of patients in Australia reported a return to their pre-fracture mobility at 120 days (Figure 72).

FIGURE 71 Follow-up at 120 days

FIGURE 72 Return to pre-fracture mobility at 120 days



■ No follow-up at 120 days

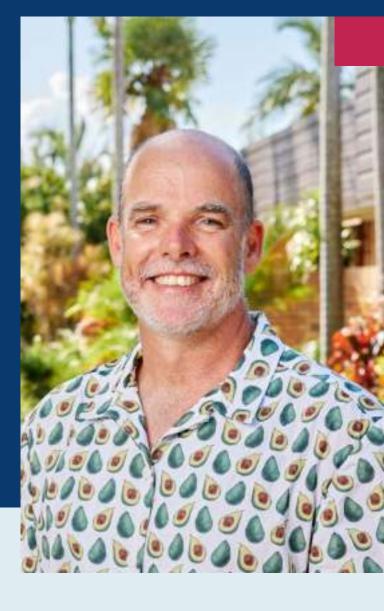


- Not returned to pre-fracture mobility at 120 days
- Not known

IMPROVING NUTRITION CARE AFTER HIP FRACTURE

Hi, I'm Jack. I'm an advanced accredited practising dietitian, Principal Research Fellow at The Prince Charles Hospital, and the Dietitians Australia representative on the ANZHFR Steering Group.

For the first 15 years of my career as a dietitian, I observed first-hand that nutrition care in hip fracture was routinely undervalued and overlooked, resulting in profound adverse patient and healthcare outcomes. Over the last decade, together with our local hip fracture unit, members of the ANZHFR, and many interprofessional colleagues globally, we have been working hard to change this. We have produced data and research highlighting the importance of nutrition care in hip fracture. And we have tenaciously persisted in bringing nutrition to the table, so to speak.



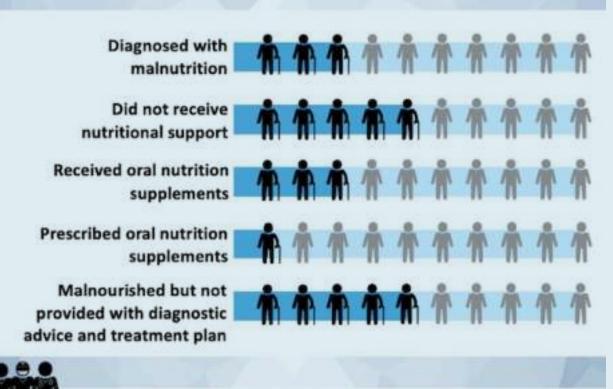
We have shown that malnutrition is associated with harmful inpatient falls and is a stronger predictor of patient and healthcare outcomes than time to surgery, type of surgery, ASA grade or Charlson Comorbidity Index. We have busted the myth that it's ok for overweight or obese older adults with hip fracture patients to lose a bit of weight after surgery, because a Diagnosis of Overweight or Obese Malnutrition really does spell doom when it comes to delayed mobility, delirium, and 12-month mortality. We have also shown that it is more cost-effective to assess and treat everyone from admission rather than waiting to see if patients become malnourished, especially given that malnutrition is one of the costliest comorbidities in hip fracture and the one most likely to prolong length of stay.

We have developed models of care that engage patients, interdisciplinary treating team members, and policy makers to deliver sustainable improvements in nutrition care, locally and globally. These show that multidisciplinary, multimodal nutrition care can improve nutrition care processes, patient experience, and outcomes.

However, the results from the ANZHFR sprint audit were eye-opening. Despite all our hard work, there are still many improvement opportunities for the provision of best practice nutrition care.



In 450 patients admitted with hip fracture across 30 hospitals in Australia and New Zealand:



For more information, go to anzhfr.org/sprintaudits

But there are also many positives. We have included clinical malnutrition assessment in the core ANZHFR dataset. Nutrition care is embedded in the Australian and New Zealand Guideline for Hip Fracture Care, the ACSQHC National Standards (Comprehensive Care) and we have now successfully introduced nutrition quality indicators into the revised version of the ACSQHC Hip Fracture Clinical Care Standard.

We have seen improvements in malnutrition assessment, with 56% of patient in New Zealand and 72% of patients in Australia receiving a clinical malnutrition assessment after hip fracture. This has increased from a baseline of 44% in New Zealand and 65% in Australia in 2019.

Over the next few years, we will leverage the Registry, engaged nutrition experts, champions, and exemplar sites to support hospitals across Australia and New Zealand to tackle the gaps we have found in hospital-based nutrition care when compared with best practice guidelines and standards.

Congratulations to the ANZHFR and participating hospitals for taking up the challenge to improve nutrition care for all patients admitted with hip fracture across Australia and New Zealand.





QUALITY STATEMENT 6: Vinimising the risk of another

fracture

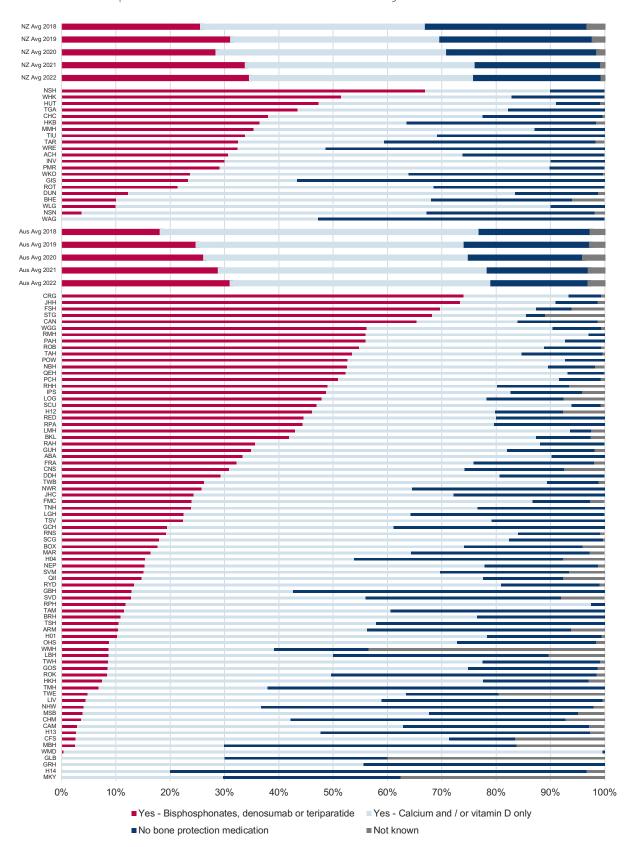
Before a patient with a hip fracture leaves hospital, they are offered a falls and bone health assessment, and a management plan based on this assessment to reduce the risk of another fracture.

Indicator 6a: Proportion of patients with a hip fracture receiving bone protection medicine prior to separation from the hospital at which they underwent hip fracture surgery



There continues to be an improvement in the proportion of people leaving hospital on a bisphosphonate, denosumab or teriparatide. Figure 73 shows that in New Zealand, 35% of hip fracture patients left hospital on bone protection medicine, compared with 10% on admission. In Australia, 31% of patients left hospital on a bisphosphonate, denosumab or teriparatide, compared with 13% on admission.

FIGURE 73 Bone protection medication on discharge





IMPROVING TREATMENT OF OSTEOPOROSIS IN A RURAL SETTING

In 2022, Whakatane hospital in New Zealand had a fully established Fracture Liaison Service (FLS), including a geriatrician, nurse specialist and pharmacist.

Hip fracture care has been a focus of improvement efforts across the patient journey, but the FLS input has greatly improved our osteoporosis treatment rates post discharge and allowed much better liaison with primary care colleagues to initiate treatment, allowing us to capture this at 120-day follow-up.

Having a pharmacist on the clinical floor every day has helped highlight all the patients needing FLS input and ensured patients with a hip fracture undergoing rehabilitation were managed as inpatients. The team meet weekly to discuss suitability for osteoporosis treatment, with both the nurse specialist and pharmacist following up with primary care to ensure those who are discharged early or not ready for treatment receive appropriate osteoporosis management.

We cover a wide geographical rural area with limited access to treatment in some areas, so multidisciplinary teamwork is required to ensure people who break their hip get treated for osteoporosis. We are thrilled to see we are performing so well in this important and challenging aspect of care.

BONE PROTECTION MEDICATION ON DISCHARGE BY AUSTRALIAN STATE



FIGURE 74 New South Wales

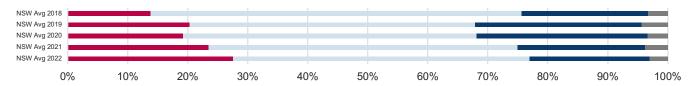


FIGURE 75 Queensland

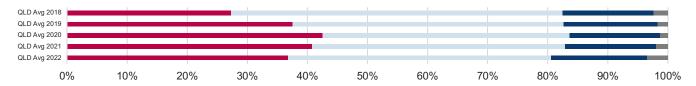


FIGURE 76 South Australia

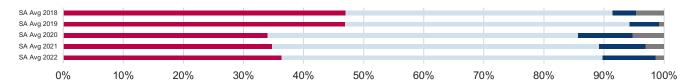


FIGURE 77 Tasmania

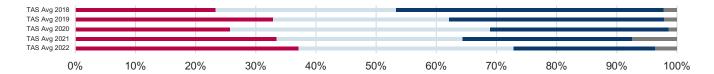


FIGURE 78 Victoria

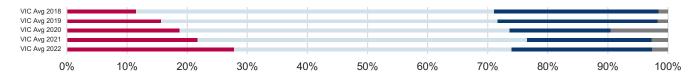
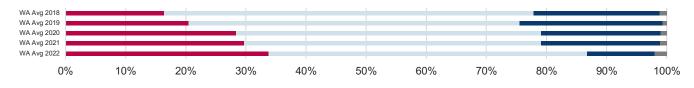
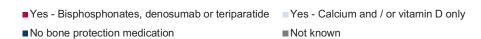


FIGURE 79 Western Australia



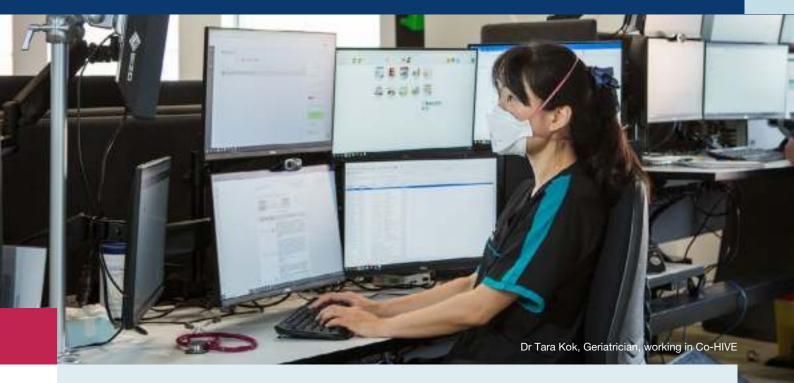




STATEMENT 7: Transition from hospital care

Before a patient leaves hospital, the patient and their carer are involved in the development of an individualised care plan that describes the patient's ongoing care and goals of care after they leave hospital. The plan is developed collaboratively with the patient's general practitioner. The plan identifies any changes in medicines, any new medicines, and equipment and contact details for rehabilitation services they may require. It also describes mobilisation activities, wound care and function post-injury. This plan is provided to the patient before discharge and to their general practitioner and other ongoing clinical providers within 48 hours of discharge.

ROYAL PERTH HOSPITAL OPTIMISES TRANSITION BACK TO RESIDENTIAL AGED CARE AFTER HIP FRACTURE



Royal Perth Hospital has implemented an innovative model to follow-up all hip fracture patients who are discharged back to a Residential Aged Care Facility (RACF) within 24 hours, via telehealth. This is to optimise the sometimes challenging transition back to the RACF.

The Community – Health Care in a Virtual Environment (Co-HIVE) team comprises of specialist clinicians, including consultant geriatricians, palliative care physicians, older adult psychiatrists and clinical nurses. This service currently receives block funding from WA Health.

Clinical reviews are conducted virtually by a geriatrician via HealthDirect videolink. If WiFi/data connectivity is unavailable, the Co-HIVE may offer a telephone service in lieu of a HealthDirect videocall, if clinically appropriate. We work closely with Residential Care Line, who are able to review in person if needed and also work closely with GP's and Nurse Practitioners in RACFs who are able to review the consumers in person. We also have the option to arrange for face to face follow up in the Royal Perth Hospital Ambulatory Unit if needed.

The main areas that we find have improved are access to analgesia on return to RACF, encouraging mobility/sitting out of bed, early access to palliative care if needed and reassurance to staff/family that the patient will be followed up quickly after hospital admission.

We have had positive feedback from consumers, their families, RACF staff and GP's particularly when there have been complex medical issues on admission or throughout the hospital stay.

I am working with our perioperative team to develop a RACF discharge pathway so we can try to standardise our follow up.

Dr Sophie Reynolds, Geriatrician

Co-HIVE Aged Care



Indicator 7a: Evidence of local arrangements for the development of an individualised care plan for hip fracture patients prior to the patient's separation from hospital

Health systems should be set up to enable development of an individualised care plan with patients prior to discharge. There has been a steady increase in the provision of written information on treatment and care after hip fracture over the years of the facility level audit. This year, 72% of New Zealand respondents and 64% of Australian respondents reported providing this at their hospital (Figure 80)

The provision of individualised written information on the prevention of future falls and fractures has improved in New Zealand, with 55% of hospitals reporting that they routinely provide individualised falls prevention information to hip fracture patients. In Australia, 32% of hospitals responded that they provide individualised falls and fracture prevention information (Figure 81).

FIGURE 80 Proportion of New Zealand and Australian hospitals reporting routine provision of written information on treatment and care after hip fracture 2013–2022

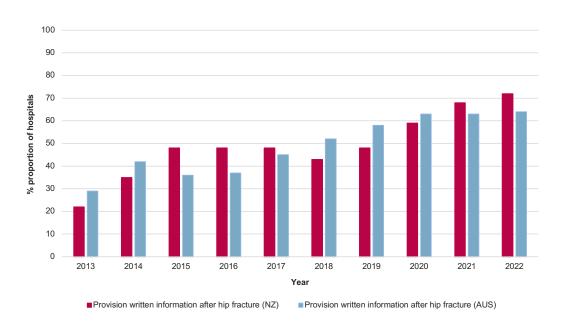
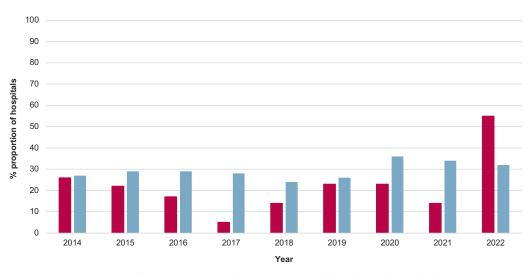


FIGURE 81 Proportion of New Zealand and Australian hospitals reporting routine provision of individualised written information on prevention of future falls and fractures 2014–2022



[■] Provision of individualised written information on prevention of future falls and fractures (AUS)

7b. Proportion of patients with a hip fracture living in a private residence prior to their hip fracture returning to private residence within 120 days post separation from hospital



Figure 82 reports the proportion of patients followed up at each hospital. Figure 83 includes records for patients who came from private residence and were followed up at 120 days. In 2022, 80% of patients in New Zealand and 78% of patients in Australia had returned to their private residence 120 days after hip fracture.



Follow-up at 120 days

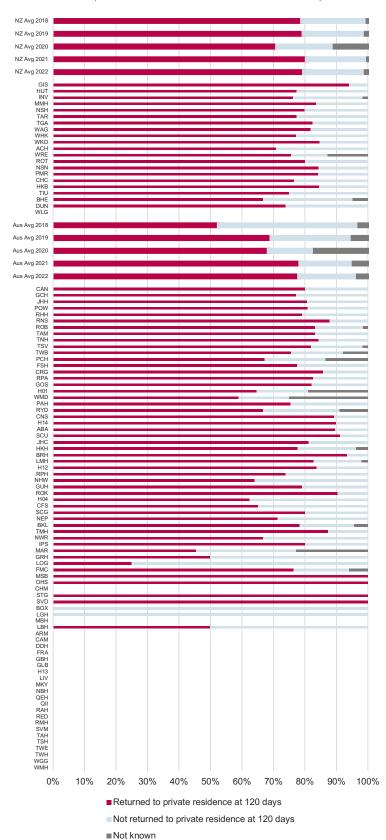


■Follow-up at 120 days

■ No follow-up at 120 days

FIGURE 83

Return to private residence at 120 days





RETURN TO PRIVATE RESIDENCE AT 120 DAYS BY AUSTRALIAN STATE



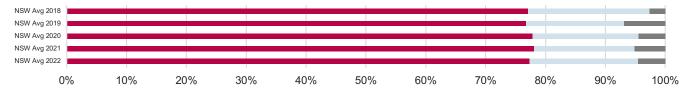


FIGURE 85 Queensland

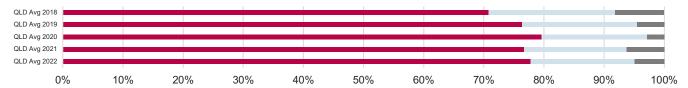


FIGURE 86 South Australia

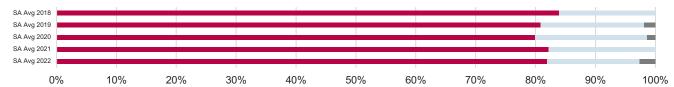


FIGURE 87 Tasmania

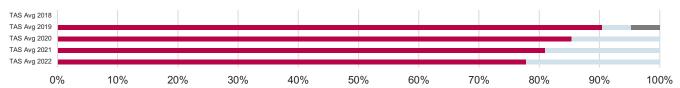


FIGURE 88 Victoria

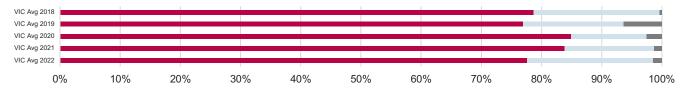
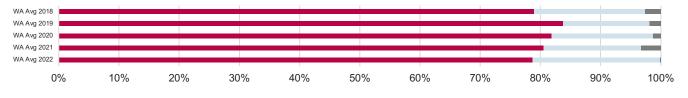


FIGURE 89 Western Australia



■Returned to private residence at 120 days

Not returned to private residence at 120 days

■ Not known

OUTLIER REPORT

The 16 quality indicators in the Hip Fracture Care Clinical Care Standard focus on the priority areas for quality improvement in hip fracture care and, as such, were selected for the identification of outliers of hospital-level performance and subsequent investigation of the causes of variation by participating hospitals.

Outliers constitute unusually low or high values for an indicator of clinical care quality. Information on Indicators 1a, 2a, and 7a are obtained from the annual facility level survey and are reported as either 'evidence provided' (green) or 'evidence not provided' (red). Information on the remaining indicators (excluding Indicator 6b that is not currently collected and 8b that is reported separately) is obtained from the patient level data. All clinical care quality indicators are reported as a percentage for each hospital in the ANZHFR annual report, where:

- Excellence is performance in the top 2.5th percentile of all hospitals
- Normal performance is categorised as those hospitals falling within the middle 95% of all hospitals
- An alert for poorer performance is between the bottom 2.5th percentile and the bottom 1st percentile of all hospitals
- An outlier is performance below the bottom 1st percentile of all hospitals
- Not recorded

Missing values were included with 'not known', and hospitals with >30% 'not known' / missing were omitted from the calculations. For hospitals with less than 30% missing values, 'not known' / missing were coded as not meeting the indicator.

The ANZHFR data outlier review protocol details the identification and management of outlier values for binational indicators of hip fracture care at the level of the participating hospital. It can be found at anzhfr.org.

FIGURE 90 New Zealand hospital data indicators

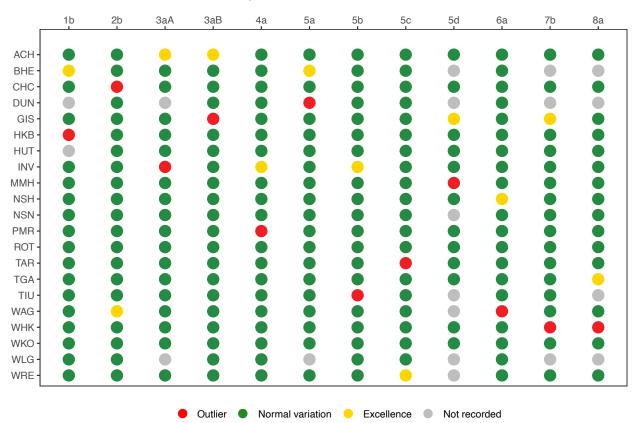
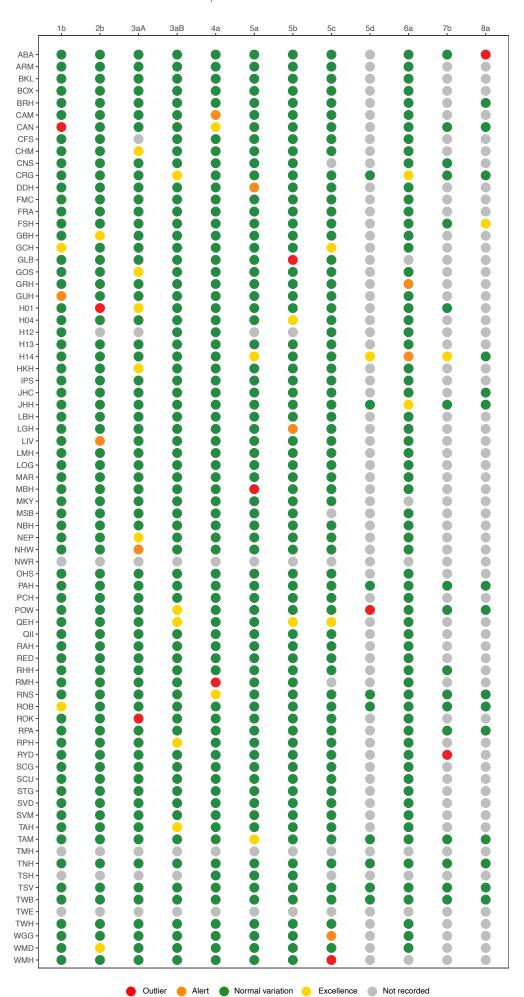


FIGURE 91 Australian hospital data indicators



HOSPITAL DATA INDICATORS:

Indicator 1b:

Proportion of patients with a hip fracture who have had their preoperative cognitive status assessed

Indicator 2b:

Proportion of patients with a hip fracture who have documented assessment of pain within 30 minutes of presentation to the emergency department AND either receive analgesia within this time or do not require it according to the assessment

Indicator 3aA:

Proportion of patients with a hip fracture receiving a preoperative medical assessment

Indicator 3aB

Proportion of patients with a hip fracture receiving a geriatric medicine assessment during the acute phase of the episode of care

Indicator 4a:

Proportion of patients with a hip fracture receiving surgery within 48 hours of presentation with the hip fracture

Indicator 5a:

Proportion of patients with a hip fracture given the opportunity to mobilise on day one post hip fracture surgery

Indicator 5b:

Proportion of patients with a hip fracture with unrestricted weight bearing immediately post hip fracture surgery

Indicator 5c:

Proportion of patients with a hip fracture experiencing a new Stage II or higher pressure injury during their hospital stav

Indicator 5d:

Proportion of patients with a hip fracture returning to pre-fracture mobility

Indicator 6a:

Proportion of patients with a hip fracture receiving bone protection medicine at discharge from the operating hospital

Indicator 7b:

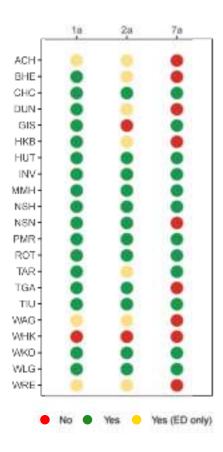
Proportion of patients with a hip fracture living in a private residence prior to their hip fracture returning to private residence within 120 days post hip fracture surgery

Indicator 8a

Proportion of patients undergoing reoperation of hip fracture within 120 days post hip fracture surgery

FIGURE 92

New Zealand survey data indicators



SURVEY DATA INDICATORS:

Indicator 1a

Evidence of local arrangements for the management of patients with hip fracture in the emergency department

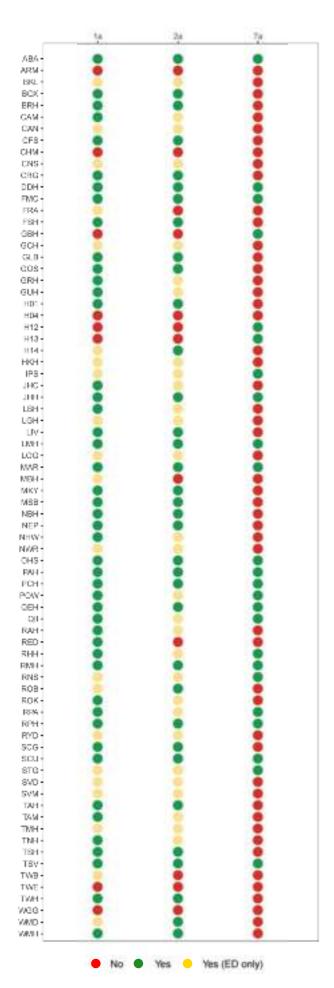
Indicator 2a:

Evidence of local arrangements for timely and effective pain management for hip fracture

Indicator 7a:

Evidence of local arrangements for the development of an individualised care plan at discharge for hip fracture patients

FIGURE 93Australian survey data indicators

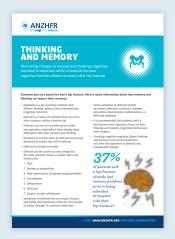




myHip myvoice

In 2022, the Registry commenced two pilot projects under a body of work known as "My Hip My Voice".













CONSUMER REPORTING PILOT

The My Hip My Voice project aimed to increase consumer access to meaningful information on hip fracture care. The outcome of this project was the development of several new resources for patients, families and friends.

These new resources include a consumer dashboard, an updated version of the My Hip Fracture Care Guide, and a video explaining the hip fracture journey through hospital. There are also six information sheets educating carers about different aspects of hip fracture care and providing them with practical suggestions of ways they can be involved in the care of their friend or family member.

The resources can be found at anzhfr.org/resourcesforpatients/ and offer a variety of ways to enhance the information provided to older people and their carers after a hip fracture.

Carer resources for families and friends provide practical information to help you support someone when they have gone to hospital with a broken hip.

PATIENT REPORTED EXPERIENCE MEASURES (PREM) PILOT

A Patient Reported Experience Measure (PREM) collects the views of consumers as an indirect measure of the quality of the care they receive. The results provide insights into what's important to the patient.

In a pilot program involving nine Australian sites, a patient-reported experience tool was integrated into the ANZHFR, showcasing the feasibility of an electronic PREM.

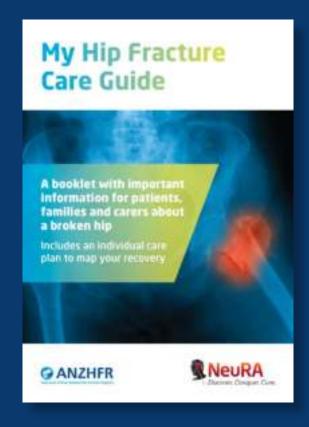
The evaluation of the hip fracture PREM program revealed the challenges associated with collecting patient and carer experiences in a hip fracture population using an automated process. Nonetheless, patients and healthcare providers responded positively to the program, recognising its potential value in improving the quality of care provided to hip fracture patients.

The ANZHFR would like to thank the pilot sites for their work in trialling the PREM tool: Fiona Stanley Hospital in Western Australia, Northeast Health Wangaratta and Frankston Hospital in Victoria, Lyell McEwin Hospital and Royal Adelaide Hospital in South Australia, Sunshine Coast University Hospital and Toowoomba Hospital in Queensland and Lismore Base Hospital in New South Wales.

All people who experience a hip fracture in Australia are now invited to provide feedback about their experience of hospital care. An invitation to provide feedback is included as part of the My Hip Fracture Care Guide. Patients or carers can scan the QR code to complete 12 multiple choice questions. Answers are anonymous and will be used to improve care for people with a broken hip in the future.

To see a demonstration version of the PREM questionnaire, scan the QR code below:





The My Hip Fracture
Care Guide has recently
been updated. It
provides older people
with information about
what to expect while
in hospital and how to
reduce the chance of
another broken bone.

It also includes room for the older person and the care team to write down a care plan for recovery after discharge from hospital.

The revised booklet also includes the ANZHFR Patient Information Pamphlet.

The booklets can be downloaded and printed or ordered through the ANZHFR. Contact info@anzhfr.org for more information.

ANZHFR STEERING GROUP MEMBERSHIP



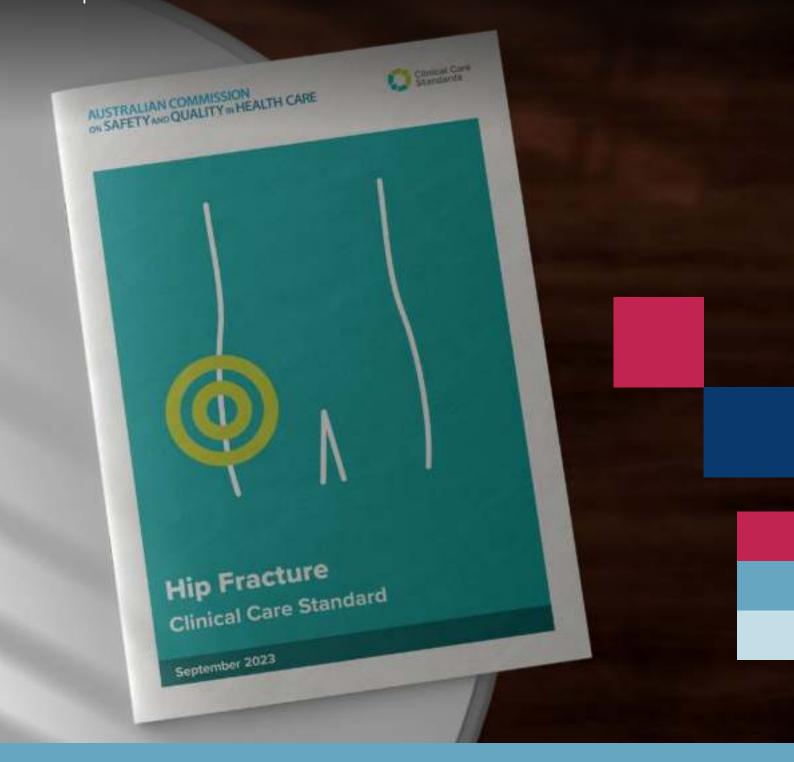
Members of the ANZHFR Steering Group

- Professor Jacqueline Close, Geriatrician Co-Chair >
- A/Professor Catherine McDougall, Orthopaedic Surgeon Co-Chair
- Dr Frazer Anderson, Geriatrician, Osteoporosis New Zealand >
- Mr Brett Baxter, Physiotherapist, Australian Physiotherapy Association
- Dr Jack Bell, Advanced Accredited Practising Dietitian, Dietitians Australia
- Dr Casey Bennetts, Emergency Physician, Australasian College of Emergency Medicine
- Professor Ian Cameron, Rehabilitation Physician, Australasian Faculty of Rehabilitation Medicine
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ANZHFR TEAM

- Ms Elizabeth Armstrong, Project Manager, My Hip, My Voice
- **Ms Narelle Payne**, Project Officer
- > Dr Morag Taylor, Data Analyst
- **Mr James Wright**, Project Manager, My Hip, My Voice

Did you know there are some changes to the Hip Fracture Clinical Care Standard?



Due to be launched in September 2023, key changes in the revised version include:

- Cultural safety and equity considerations
- Assessment and management of delirium, nutrition and frailty
- The use of nerve blocks
- A reduction in the recommended time to surgery from 48 hours to 36 hours
- A change to monitor first day walking instead of opportunity to mobilise

There will also be some changes to the quality indicators to align with the updates.

For a copy of the revised Hip Fracture Clinical Care Standard and associated resources, go to the Commission's website: safetyandquality.gov.au/ hipfracture-ccs



THANK YOU TO ALL
THE TEAMS WORKING
ACROSS OUR HOSPITALS
IN AUSTRALIA AND
NEW ZEALAND. YOUR
EFFORTS ARE DRIVING
IMPROVEMENTS IN HIP
FRACTURE CARE.

