NZ FRAGILITY FRACTURE REGISTRY - PATIENT LEVEL AUDIT



These boxes relate to KPIs of the FLS Clinical Standards * These boxes are required to save a record

PATIENT DEMOGRAPHICS					
First Name	Last Name		National Health Index*		
Date of birth (dd/mm/yyyy)	Sex		NZ Ethnic Status		
//		or indeterminate ed/inadequately described	New Zealand European Māori Indian		
Contact Phone Number	Post Code		☐ Cook Island Māori ☐ Not elsewhere included ☐ Tongan ☐ Other		
Email					
Patients GP					
Registered Unregistered Unk	own GP Practice:				
	IDENTIF	ICATION			
Index Fracture Date* //	Index Type of Fractu	ıre	Admission to Hospital		
//	☐ Fragility ☐ Atyp		Yes No Already an inpatient Not known		
Fracture Sites (1 = index fracture. Ma	rk as numbers, up t	to 3 fractures)	//		
☐ Wrist ☐ Proximal humerus ☐ Hip ☐ Thoraco-lumbar spine ☐ Clinical acute ☐ Asymptomatic or non-acute	Sacrum and pelvis Other humerus Elbow Forearm other thar Sternum, ribs, clavi		☐ Other femur including supracondylar knee ☐ Tibial plateau and patella ☐ Other lower leg and ankle		
Pre-fracture Residence	Pre-fracture Mobilit	у	Pre-fracture Cognitive Status		
☐ Private residence (including unit in retirement village) ☐ Residential aged care facility ☐ Other	☐ Usually walks without walking aids ☐ Usually walks with either a stick or crutch ☐ Usually walks with two aids or frame (with or without assistance of a person)		☐ Normal cognition ☐ Impaired cognition or known dementia ☐ Not known		
☐ Not known	Usually uses a whee	elchair / bed bound	Appropriate for Further Assessment		
	☐ Not known		Yes No		
Method of Identification		Reason Not Appropriate for Further Assessment			
Emergency Department trauma list Inpatient diagnosis list (filtered for fracture) Fracture clinic list Internal hospital referral GP referral External FLS to FLS Out of area referral ACC fracture claims Discharge coding Radiology reports for any fracture Radiology other Radiology reports for vertebral fractures ("wedge, compression etc")		□ Deceased □ Terminal illness / palliative care □ Frail - life expectancy of less than a year /advanced dementia □ End stage renal failure □ Advanced malignancy # not due to metastasis □ Usual residence not in New Zealand or Australia □ Other □ Under care of other specialist service □ Non-contactable □ Declined FLS □ Opt-out Date of decision / /			

INVESTIGATION - BONE HEALTH ASSESSMENT					
Bone Health Assessment Date		d Previous Fragility Fractures	Parental history of hip fracture		
//		1 \(\sum 2 \) \(\sum 3 \) or more \(\sum \text{known} \)	☐ Yes ☐ No ☐ Not done		
Early Menopause	Current		Glucocorticoids		
Yes No Not done	Yes No Not done		☐ Yes ☐ No ☐ Not done		
Rheumatoid Arthritis	Alcohol Use		Previous Significant Osteoporosis Specific Treatment		
☐ Yes ☐ No ☐ Not done	☐ Yes ☐ No ☐ Not done		☐ Yes ☐ No ☐ Not done		
Current Osteoporosis Specific Treatment			Secondary Cause Review		
None at time of index fracture None: planned "drug holiday" Alendronate Risedronate Etidronate Zoledronate Denosumab	☐ Teriparatide ☐ Testosterone ☐ Systemic Oestrogens ☐ Systemic Oestrogen & Progesterone ☐ Romosozumab ☐ Raloxifene ☐ Not known		Yes No Not done Secondary Cause Blood Tests Yes No Not clinically indicated Referred to another clinical team (including GP) Yes, at least one result reported as abnormal		
Thoraco-Lumbar Imaging		Thoraco-Lumbar Imaging date	Creatinine Clearance (Cockcroft Gault)		
Fracture identified No fracture identified No imaging of thoraco-lumbar spine perfore report not available Not known	rmed or	//	ml/min		
Patient Weight	Patient I	Height	Body Mass Index		
kg		cm			
FRAX Score	Garvan Score				
%	%				
INVESTIGATION -	FALL!	S RISK ASSESSMENT	AND REFERRALS		
	What ha				
1 1					
2+ Slips, Trips, Falls in Previous 12 months	Potentia	ıl Cardiac Cause			
Yes No Not known		emember landing on floor / woke up on floor	☐ No symptoms		
Fear of Falling		of consciousness / fainted	☐ Not known		
Yes No Not known	postu heade	ral change (dizziness, light edness, nausea, diaphoresis,	☐ Not assessed		
Pre-fracture Strength	palpitations, chest pain) Strength and Balance Referrals				
Standing from chair without using hands Yes No Not known Strength and Balance Referral Date //	Already attending a recognised strength and balance programme Already engaged in a self-directed exercise programme Referred to a community strength and balance programme Referred to an in-home strength and balance programme		 □ Referred to the "Training for Independence" programme □ No referral made or not appropriate for a strength and balance training programme □ Patient declined Nymbl information provided □ Yes □ No □ Not known 		

Last Name

National Health Index*

First Name



		AND FR AU				
First Name	Last Name	National Health Index*				
DXA						
DVA C. I. I. N. I		//				

Ordered Declined Ordered - did not attend Done in last 24 months and not being repeated at this time Not appropriate

Not available Ordered by GP/Specialist Ordered and self-funded by patient Ordered elsewhere - not known

Previous DXA Date Previous DXA Spine T-score Previous DXA Hip T-score Previous DXA Wrist T-Score

//	+/-			+/	·		+/ •
Date DXA Ordered DXA	Date	//	DXA Spine 1	-score	DXA Hip T-score		DXA Wrist T-score
/	_//_		+/	·	+/ • _ •	_	+/ •
	INTERVENTION						
Osteoporosis Specific Treati	ment Reco	mmend	lation	Reason Tr	eatment Not Reco	mmend	ed
 Not clinically indicated Recommended but declined Referred to specialist Continue current treatment Continue current planned drug Bisphosphonate therapy (prescribers choice) Alendronate Risedronate Zoledronate 	holiday [Systemi & Proge Romose	atide erone ic Oestrogens ic Oestrogen esterone ozumab ene narker testing	Poor re Poor sw Advance Long te risk ber Treatme within I Atypica History disease	nal function vallowing, severe GC ed frailty, life expect erm bisphosphonate nefit. ent indicated, but no Pharmac (NZ) or PBS I femur fracture	RD, Barre ancy of le treatmen funded a (Aust) cri the Jaw o reatment	alternatives available iteria
Date of Osteoporosis Treatment Recommendation	n //	Vitamiı	n D (ARCF)		Long Te		
/ /	, , , , , , , , , , , , , , , , , , ,	☐ Yes	□ No □ No	t known	☐ Yes		☐ Not known
Long Term Plan Date	//		nation Packa				
//	,,	☐ Yes -		age 🗌 Yes -	- Know Your Bones	□ No [

That Name	Last Name	National Health Midex			
16 WEEK FOLLOW UP					
Follow up //	Residence	Mobility			
Yes No Uncontactable Declined Patient died Follow up Date	□ Private residence (including unit in retirement village) □ Residential aged care facility □ Rehabilitation unit public □ Rehabilitation unit private □ Other hospital / ward / specialty □ Deceased □ Short term care in residential care facility (New Zealand only)	□ Usually walks without walking aids □ Usually walks with either a stick or crutch □ Usually walks with two aids or frame (with or without assistance of a person) □ Usually uses a wheelchair / bed bound □ Not relevant □ Not known			
Yes, same as recommended Yes, not same as recommended	Other	Romosozumab Raloxifene Awaiting bone marker testing (P1NP/CTX) Not known			
No, not started in primary care at this timeNo, now declined	☐ Not known Medication				
Not known	Recommended but declined				
Medication Administered ☐ As Inpatient ☐ By primary care ☐ By FLS team ☐ Not started yet	Awaiting specialist opinion Clinical assessment not yet completed Alendronate Risedronate				
Strength and Balance Started	│				
Yes, same as referred Yes, not same as referred No, not started yet No, now declined Not known	☐ Teriparatide ☐ Testosterone ☐ Systemic Oestrogens ☐ Systemic Oestrogen & Progesterone				
	52 WEEK FOLLOW UP				
Follow up //	Residence	Mobility			
Yes No Uncontactable Declined Patient died Follow up Date //	☐ Private residence (including unit in retirement village) ☐ Residential aged care facility ☐ Other ☐ Not done ☐ Not known	☐ Usually walks without walking aids ☐ Usually walks with either a stick or crutch ☐ Usually walks with two aids or frame (with or without assistance of a person) ☐ Usually uses a wheelchair / bed bound ☐ Not done ☐ Not known			
Further Fragility Fractures	Medication	//			
☐ Yes ☐ No ☐ Not asked ☐ Not known Further Falls ☐ None ☐ One ☐ Two	 Never started osteoporosis specific treatment No longer taking osteoporosis specific treatment Alendronate Risedronate Zoledronate 	☐ Denosumab ☐ Teriparatide ☐ Testosterone ☐ Systemic Oestrogens ☐ Systemic Oestrogen & Progesterone ☐ Romosozumab ☐ Raloxifene			
☐ Three or more ☐ Not asked	Medication Administered				
Not known	☐ As Inpatient ☐ By primary care ☐ By FLS	team Not started yet			
Strength and Balance	Reason for no medication				
Yes, same as referred Yes, not same as referred No, now declined No - course completed Not known	☐ No longer appropriate (clinician) ☐ Informed decline (patient) ☐ Side effects ☐ Cost to patient	 Not asked No medications given - primary care not prescribed Now on drug holiday Not known 			