

Concordance Table for ANZFFR Data Dictionary

Patient Level Audit

Date introduced to Registry	DD Variable	Change Description	Old Coding Frame	New Coding Frame	Changes on Documents
July 2022	2.02, 2.03, 2.04 Primary, Second and Third Index Fracture sites	Upper humerus changed to Proximal humerus in all three DD items			Patient Level Audit form Data dictionary Registry Current forms March 2022-June 2023
July 2022	2.05 Not Appropriate for Further Assessment	To remove the double negative aspect, the title is changed to Appropriate for Further Assessment and the answers remain the same as Yes and No. This is simpler and clearer.			Patient Level Audit form Data dictionary Registry Current forms March 2022-June 2023
July 2022	6.02 Reason Treatment not Recommended	Very occasionally a person will not require treatment because all assessments indicate that treatment is not required. Additional option is added: "All assessments indicate treatment not required at present".			Patient Level Audit form Data dictionary Registry Current forms March 2022-June 2023

		Additional option added related to bisphosphonates and dental problems. “History of Osteonecrosis of the Jaw or significant active dental issue or planned dental treatment”			
July 2023	7.03 16-Week Residence	To enable interoperability the coding frame needs to match 7.04 Place of residence at 120-day follow-up from ANZHFR	<ol style="list-style-type: none"> 1. Private residence (including unit in retirement village) 2. Residential aged care facility 3. Other 9. Not known 	<ol style="list-style-type: none"> 1 Private residence (including unit in retirement village) 2 Residential aged care facility 3 Rehabilitation unit public 4 Rehabilitation unit private 5 Other hospital / ward / specialty 6 Deceased 7 Short term care in residential care facility (New Zealand only) 97 Other 99 Not known 	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	7.04 16 Week Mobility	To enable interoperability the coding frame needs to match 7.06 Post-admission walking ability at 120-day follow-up from ANZHFR	<ol style="list-style-type: none"> 1. Usually walks without walking aids 2. Usually walks with either a stick or crutch 3. Usually walks with two aids or frame (with or without assistance of a person) 	<ol style="list-style-type: none"> 1 Usually walks without walking aids. 2 Usually walks with either a stick or crutch. 3 Usually walks with two aids or frame. 	Patient Audit Form Data Dictionary Registry from 1 st July 2023

			4. Usually uses a wheelchair / bed bound 9. Not known	4 Usually uses a wheelchair / bed bound. 8 Not relevant 9 Not known.	
July 2023	1.06 Sex of patient	To match ANZHFR for interoperability	1 Male 2 Female 3 Other	1 Male 2 Female 3 Intersex or indeterminate 4 Not stated / inadequately described	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	1.13 Age Derived	To allow calculation of age based on date of birth	New data variable	3 digits for age of person	Data dictionary Registry from 1 st July 2023
July 2023	2.05 Appropriate for further assessment	The wording was still confusing in the definition. This is now set so that an answer of YES means continue and an answer of NO ends the data collection for this patient after answering 2.06.	Has a clinical decision has been made that the clinical context of this patient means that any treatment for falls, or fracture prevention is not appropriate	Has a clinical decision been made that the clinical context of this patient means that any treatment for falls, or fracture prevention IS appropriate?	Data dictionary from 1 st July 2023
July 2023	2.06 Reason not appropriate for further assessment	Feedback from users requested an option for people not resident in Australia or New Zealand. There was also a request to remove the word dialysis and to remove the “no obvious reason” item.	1. Deceased 2. Terminal illness / palliative care 3. Frailty, life expectancy of less than a year 4 End stage renal failure – dialysis 5. Advanced malignancy # not due to metastasis.	1. Deceased 2. Terminal illness / palliative care 3. Frailty, life expectancy of less than a year 4. End stage renal failure	Patient Audit Form Data Dictionary Registry from 1 st July 2023

			6. No obvious reason 7. Other	5. Advanced malignancy # not due to metastasis. 6. Usual residence not in New Zealand or Australia 7. Other	
July 2023	2.07 Date Not Appropriate for Further Assessment	New variable to document if decision is made within the 12 weeks required for Clinical Standards for FLS in NZ		DD/MM/YY	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	3.09 Current Osteoporosis specific treatment	In the comments section the definitions for each medication required clarification – in most cases this was a change from “prescribed” to “administered”. In Australia information will be only from patient interview. In NZ information is from a combination of patient interview and electronic linkage	A patient is to be considered as ‘on/taking’ osteoporosis specific treatment if: • For oral bisphosphonates, prescribed in the last 4 weeks. • For Zoledronate, prescribed in the last 24 months. • For Denosumab, prescribed the last 6 months. • For Teriparatide, prescribed in the last 7 days. • For Romosozumab, prescribed in the last month. These medications may be prescribed with or	A patient is to be considered as ‘on/taking’ osteoporosis specific treatment if: • For oral bisphosphonates, prescribed in the last 12 weeks. • For Zoledronate, administered in the last 24 months. • For Denosumab, administered the last 6 months. • For Teriparatide, administered in the last 7 days. • For Romosozumab, administered in the last month.	Data dictionary from 1 st July 2023

			<p>without calcium and / or vitamin D. If unsure as to the type of Hormone replacement therapy (HRT) please select Systemic Oestrogen & Progesterone.</p>	<p>These medications may be prescribed with or without calcium and / or vitamin D. If unsure as to the type of Hormone replacement therapy (HRT) please select Systemic Oestrogen & Progesterone.</p>	
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July 2023	3.11 Thoraco-Lumbar spine imaging	Changes are made to improve clarity by adding an option that there was no imaging performed – so that this could be removed from the comments section. In the comments section lateral chest x-ray has been included as an option.	<ol style="list-style-type: none"> 1. Fracture identified 2. No fracture identified 3. No images available 9. Not known <p>Comments The imaging may be in the form of a thoraco-lumbar spine x-ray, bone scan, CT scan, MRI or vertebral fracture assessment using a DXA scan. Answer “No fracture identified” if (a) imaging has been done and there were no vertebral fractures identified. OR (b) there has not been any imaging of the thoraco-lumbar spine.</p>	<ol style="list-style-type: none"> 1. Fracture identified 2. No fracture identified 3. No imaging of thoraco-lumbar spine performed or report not available 9. Not known <p>Comments The imaging may be in the form of a thoraco-lumbar spine x-ray, lateral chest x-ray, bone scan, CT scan, MRI or vertebral fracture assessment using a DXA scan. Answer “No fracture identified” if imaging has been done and there were no vertebral fractures identified</p>	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	4.09 Information about Nymbi Provided	New variable to document whether information about the Nymbi smart phone application was provided to the patient.		<ol style="list-style-type: none"> 1. Yes. 2. No. 	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	5.01 DXA ordered or not	Option 3 needed clarifying Further to option 3 if a DXA was not being ordered, and one had been done in the last 24 months, feedback	<ol style="list-style-type: none"> 1. Ordered 2. Declined 3. Done in last 24 months and not being repeated 4. Not appropriate 5. Not available 	<ol style="list-style-type: none"> 1. Ordered 2. Declined 3. Done in last 24 months and not being repeated at this time. 4. Not appropriate 	Patient Audit Form Data Dictionary Registry from 1 st July 2023

		advised that it would be useful to be able to record the result as this may have an influence on the treatment decision.		5. Not available If DXA done in last 24 months, you have the option to include the results here including the date	
July 2023	5.06 DXA wrist t-score	This is a new variable because in some instances only a wrist DXA is performed.		Definition: What was the DXA T-score at the distal one third radius of the non-dominant forearm? Justification: Ability to monitor DXA results and assess future fragility fracture risk. Coding Frame	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	6.01 Osteoporosis specific treatment recommendation	Additional options enable clarity and support the workflow of the staff. "Bisphosphonate therapy (prescriber's choice" was added as an option as this was a frequent recommendation to a GP and left the decision about oral or intravenous therapy to the GP.	<ol style="list-style-type: none"> 1. Not clinically indicated 2. Recommended but declined 3. Referred to specialist 4. Alendronate 5. Risedronate 6. Zoledronate 7. Denosumab 8. Teriparatide 9. Testosterone 10. Systemic Oestrogens 11. Systemic Oestrogen & Progesterone 12. Romosozumab 13. Raloxifene 99. Not known 	<ol style="list-style-type: none"> 1. Not clinically indicated 2. Recommended but declined 3. Referred to specialist 4. Continue current treatment 5. Continue current planned drug holiday 6. Bisphosphonate therapy (prescribers choice) 7. Alendronate 8. Risedronate 9. Zoledronate 	Patient Audit Form Data Dictionary Registry from 1 st July 2023

				10. Denosumab 11. Teriparatide 12. Testosterone 13. Systemic Oestrogens 14. Systemic Oestrogen & Progesterone 15. Romosozumab 16. Raloxifene 99. Not known	
July 2023	6.02 Reason treatment not recommended	A change in the order of the options was recommended. Typo in comments corrected	1. Poor renal function 2. Poor swallowing, severe GORD, Barrett's oesophagus, achalasia 3. Advanced frailty, life expectancy of less than a year 4. Long term bisphosphonate treatment, so no further fracture risk benefit. 5. Treatment indicated, but no funded alternatives available within Pharmac (NZ) or PBS (Aust) criteria 6. Atypical femur fracture 7. History of Osteonecrosis of the Jaw or significant active dental disease or planned dental treatment	1. All assessments indicate treatment not required at present 2. Poor renal function 3. Poor swallowing, severe GORD, Barrett's oesophagus, achalasia 4. Advanced frailty, life expectancy of less than a year 5. Long term bisphosphonate treatment, so no further fracture risk benefit. 6. Treatment indicated, but no funded alternatives available within	Patient Audit Form Data Dictionary Registry from 1 st July 2023

			<p>8. All assessments indicate treatment not required at present</p> <p>9. No obvious reason</p> <p>Note: long term bisphosphonate treatment means the patient has received many years of bisphosphonates (e.g., more than 5 years) and continuing bisphosphonate therapy will ... reduce fracture risk further.</p>	<p>Pharmac (NZ) or PBS (Aust) criteria</p> <p>7. Atypical femur fracture</p> <p>8. History of Osteonecrosis of the Jaw or significant active dental disease or planned dental treatment</p> <p>9. No obvious reason</p> <p>Note: long term bisphosphonate treatment means the patient has received many years of bisphosphonates (e.g., more than 5 years) and continuing bisphosphonate therapy will not reduce fracture risk further.</p>	
July 2023	6.08 Standard Information Package Date	New variable to document whether information provided in time to meet Clinical Standards for FLS in NZ		DD/MM/YYYY	Patient Audit Form Data Dictionary Registry from 1 st July 2023
				Code for not done 99/99/9999	

July 2023	7.06 16-week medication	<p>An option added to account for a delay in completing the Bone Health assessment.</p> <p>The definition is added to the comments section.</p>	<ol style="list-style-type: none"> 1. Recommended but declined 2. Awaiting specialist opinion 3. Alendronate 4. Risedronate 5. Zoledronate 6. Denosumab 7. Teriparatide 8. Testosterone 9. Systemic Oestrogens 10. Systemic Oestrogen & Progesterone 11. Romosozumab 12. Raloxifene 99. Not known 	<ol style="list-style-type: none"> 1. Recommended but declined 2. Awaiting specialist opinion 3. Clinical assessment not yet completed. 4. Alendronate 5. Risedronate 6. Zoledronate 7. Denosumab 8. Teriparatide 9. Testosterone 10. Systemic Oestrogens 11. Systemic Oestrogen & Progesterone 12. Romosozumab 13. Raloxifene 99. Not known <p>Answer 3., if the treatment decision is delayed due to incomplete fracture risk assessment, e.g., awaiting DXA result.</p>	Patient Audit Form Data Dictionary Registry from 1 st July 2023
July 2023	8.05 52-week medication	To align with the definitions in 3.09, the definitions in the Comments section have been changed. These are mostly changes of the word prescribed to administered.	<p>A patient is to be considered as 'on/taking bone protection medication' if:</p> <ul style="list-style-type: none"> • For oral-osteoporosis agents, patient prescribed in the last 12 weeks. 	<p>A patient is to be considered as 'on/taking bone protection medication' if:</p> <ul style="list-style-type: none"> • For oral-osteoporosis agents, patient 	Data dictionary from 1 st July 2023

		In Australia information will be only from patient interview. In NZ information is from a combination of patient interview and electronic linkage	<ul style="list-style-type: none"> • For Zoledronate, prescribed in the last 24 months • For Denosumab, prescribed the last 6 months. • For Teriparatide, prescribed in the last 7 days. • For Romosozumab, prescribed in the last month. 	<p>prescribed in the last 12 weeks.</p> <ul style="list-style-type: none"> • For Zoledronate, administered in the last 24 months • For Denosumab, administered in the last 6 months. • For Teriparatide, administered in the last 7 days. • For Romosozumab, administered in the last month. 	
July 2023	8.05 52-week medication	To add the option of “never started taking osteoporosis specific medication”	<ol style="list-style-type: none"> 1. No longer taking osteoporosis specific treatment. 2. Alendronate 3. Risedronate 4. Zoledronate 5. Denosumab 6. Teriparatide 7. Testosterone 8. Systemic Oestrogens 9. Systemic Oestrogen & Progesterone 10. Romosozumab 11. Raloxifene 	<ol style="list-style-type: none"> 0. Never started taking osteoporosis specific medication 1. No longer taking osteoporosis specific treatment. 2. Alendronate 3. Risedronate 4. Zoledronate 5. Denosumab 6. Teriparatide 7. Testosterone 8. Systemic Oestrogens 9. Systemic Oestrogen & Progesterone 10. Romosozumab 11. Raloxifene 	Patient Audit Form Data Dictionary Registry from 1 st July 2023

July 2023	8.06 Reason for no medication at 52 weeks	The definition of this variable was clarified by changing wording	What was the reason of the patient not continuing bone protection medication at 52 week follow up?	What was the reason for the patient not taking recommended osteoporosis specific treatment at 52 week follow up?	Data dictionary from 1 st July 2023
July 2023	9.01 Date of death	Clarification of the coding frame to be DD/MM/YYYY	___ / ___ / _____	DD/MM/YYYY	Registry only from 1 st July 2023
July 2023	4.07 Strength and Balance Referrals	Changes are to the comments section only. These are to clarify and document processes.	<p>The FLS should record “ Referred to a community strength and balance programme” when:</p> <ul style="list-style-type: none"> • The FLS has the sole option of referring to a community programme (no in-home programme available) • The FLS is required to refer to a community programme which itself assesses suitability for an in-home programme. 	<p>The FLS should record “ Referred to a community strength and balance programme” when:</p> <ul style="list-style-type: none"> • The referrers have the sole option of referring to a community programme (no in-home programme available) • The referrer is required to refer to a community programme which itself assesses suitability for an in-home programme. <p>For options 1, 2, 6, 7 and 9, no date is required for variable 4.08 Strength and Balance Referral Date.</p>	Data dictionary from 1 st July 2023
July 2023	4.08	Change only in comments section. Clarification about the date of a referral if the		If the patient has been an inpatient, this would be the discharge date.	Data dictionary from 1 st July 2023

	Strength and Balance Referral Date	patient has been an inpatient.			
Facility Level Audit					
December 2022	3.02 FLS Identification Methods	This variable retired due to the collection of the same information in the patient level audit variable		Retired December 2022	Removed from current Data Dictionary