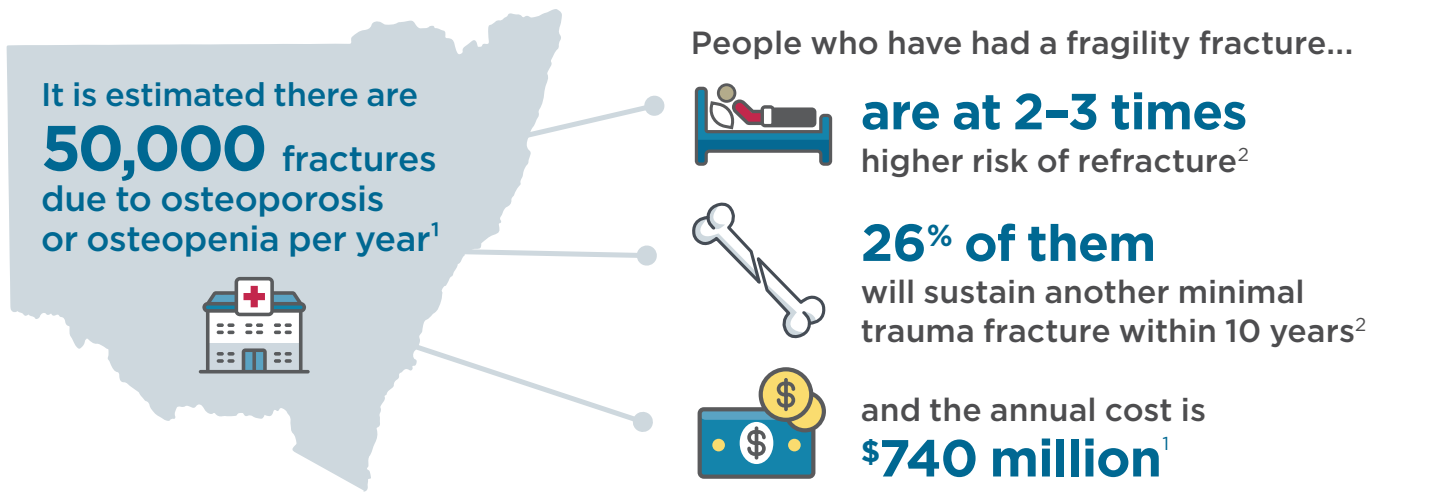


# Osteoporotic refracture prevention

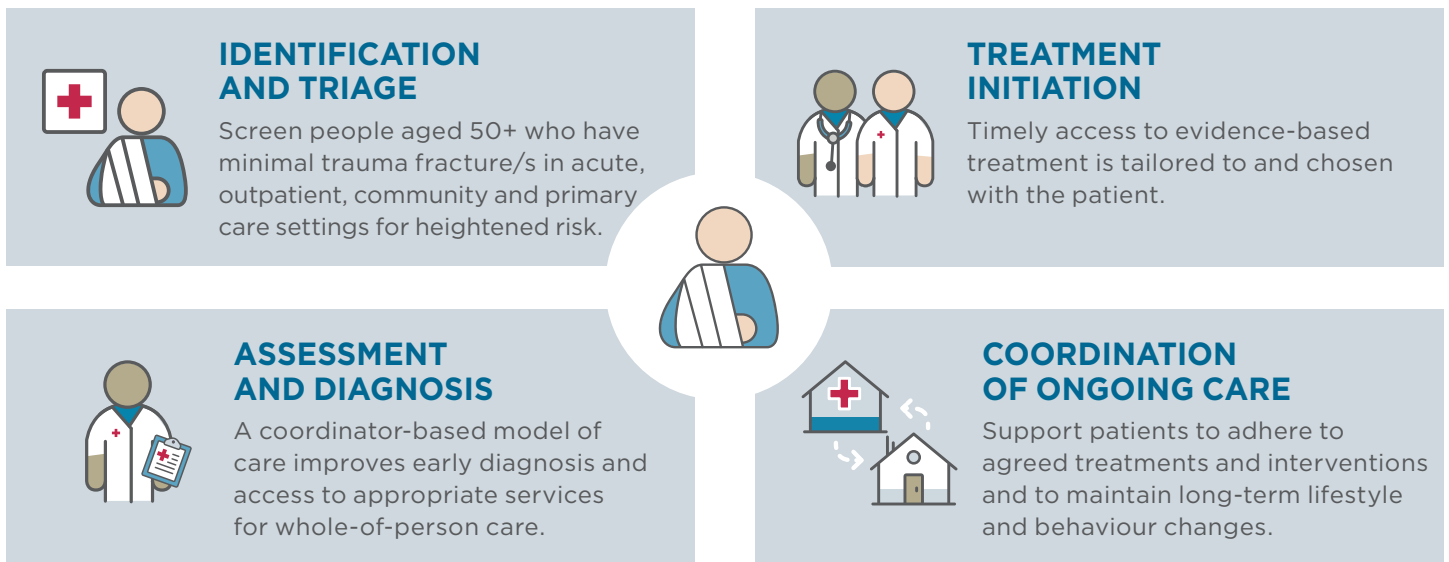
## Clinical priorities

Osteoporosis is a chronic disease characterised by reduced bone density and strength. It is associated with a heightened vulnerability to minimal trauma fractures (or fragility fractures). People who have had a minimal trauma fracture are at high risk of refracture.

The *NSW Model of care for osteoporotic refracture prevention* outlines evidence-based care for identifying and managing minimal trauma fractures.



This simplified summary highlights four clinical priority areas to reduce the risk of refracture.



### CLINICAL OUTCOMES

- ✓ Improved identification of those requiring refracture prevention services
- ✓ Improved uptake of medication, exercise and calcium intake
- ✓ Fewer preventable fractures
- ✓ Better quality of life

The goal of the Leading Better Value Care osteoporotic refracture prevention service is to identify people who have sustained a minimal trauma fracture and coordinate management of their bone health. This will reduce the risk of a refracture and improve their overall health, wellbeing and quality of life. Refer to *ORP site manual* for an implementation guide against the model of care, including key features and supplementary tools and resources.



### Identification and triage

People aged 50+ years with fractures related to osteoporosis should be proactively identified by a designated staff member.

- An active search should be conducted for patients with minimal trauma fractures receiving care in emergency departments, inpatient wards, outpatient clinics and community or primary care settings.
- All imaging involving the spine should be screened by radiology for vertebral compression fractures.



### Assessment and diagnosis

Within 16 weeks of a fracture, the patient should receive a thorough, person-centred assessment coordinated by a dedicated clinician. This includes:

- assessment of bone health, consisting of bone mineral density testing (DEXA, QCT) and serum vitamin D
- screening for and assessment of falls risk, using validated tools such as FROP-COM, Berg Balance Scale, Timed Up and Go and repeated sit to stand.
- assessment of future fracture risk using FRAX or Garvan tools
- assessment of medical status, including physical function, comorbidities and mental health
- a diagnosis of osteoporosis or osteopenia by a medical officer where indicated.



### Treatment initiation

Access should be coordinated for timely, evidence-based and individualised treatment that is recorded in a personalised management plan. This includes:

- provision of osteoporosis education and self-management support
- initiation of appropriate medical interventions inclusive of bone-sparing medications and supplementary treatments
- prescription of resistance exercise or physical activity
- dietary advice on calcium and protein intake
- coordination of falls prevention interventions
- facilitation of comorbidity management.



### Coordination of ongoing care

Patients should be supported to ensure continued treatment, intervention and behaviour change. This should involve community services and their general practitioner. This includes:

- review of progress within six months of intervention with review and modification of management plan
- self-management support to recognise progress and address issues
- a plan for transition to appropriate ongoing community-based care.

## Evidence

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