

# WESTERN AUSTRALIA

Burden of Osteoporosis, Osteopenia and  
Associated Fractures in Western Australia



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# Summary – Key Findings

## Burden of Osteoporosis, Osteopenia and Associated Fractures in Western Australia

### Poor Bone Health: 2012-2022

- By 2022, it is estimated there will be 677,800 older people in Western Australia with low bone mass, an increase of 45% from 2012.
- 567,000 adults in Western Australia aged 50 years and older (66%) have osteoporosis or osteopenia (poor bone health) in 2017.
- 467,000 adults in Western Australia aged 50 years and older (66%), had osteoporosis or osteopenia (poor bone health) in 2012.
- Among people in Western Australia aged 50 years and older, 14% had osteoporosis and 52% have osteopenia.
- Among people in Western Australia aged 70 years and older, 43% of women and 13% of men had osteoporosis (47,000 women and 11,000 men).

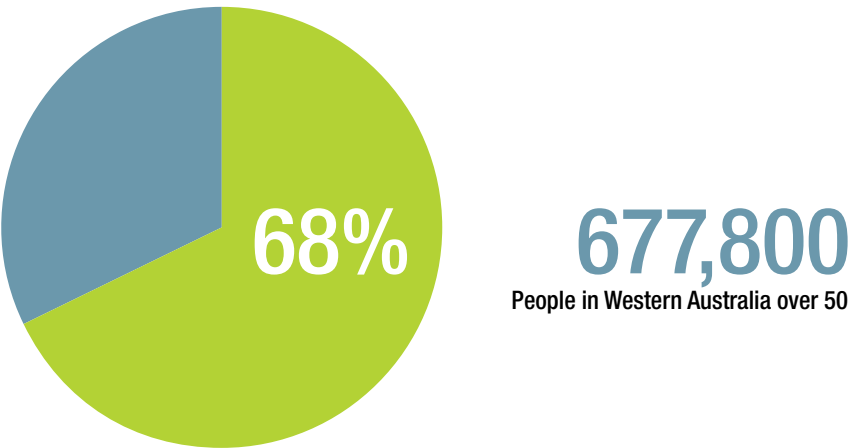
### Fracture Impact: 2012-2022

- The total number of fractures over the ten year period 2013 to 2022 is projected to be 171,000.
- In 2022 it is expected there will be a 51% increase in the annual number of fractures (over 10 years) resulting in 20,470 fractures per annum.
- In 2022 there will be 56 fractures every day among older adults in Western Australia. Approximately one in six of these fractures will be a hip fracture.
- In 2017 there will be 46 fractures each day among older adults in Western Australia.

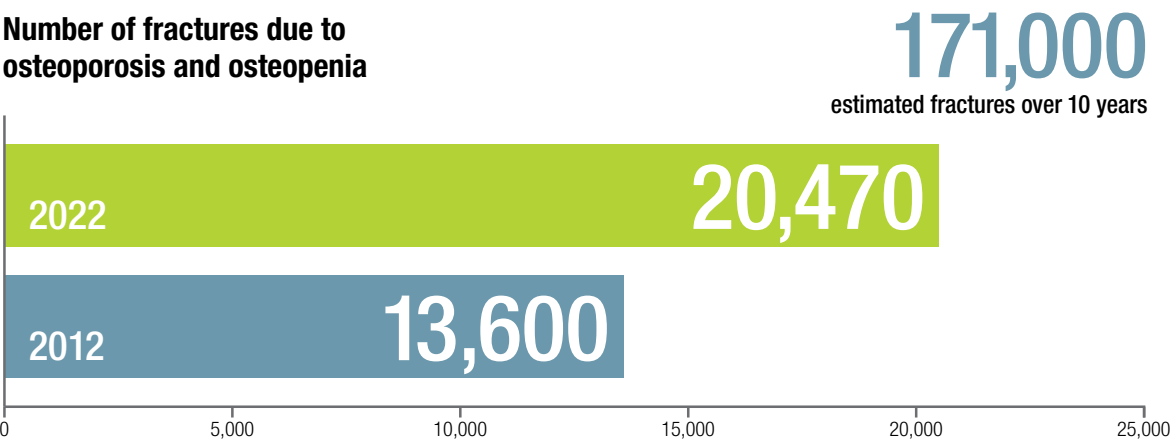
### Cost Impact: 2012-2022

- The total direct costs of fractures over the ten years 2013 to 2022 will be \$2.2 billion (2012\$). These costs include ambulance services, hospitalisations and emergency and outpatient departments, rehabilitation, limited aged care and community services.
- In 2017 the total direct costs of osteoporosis and osteopenia in Western Australian adults aged 50 years and over will be \$307 million of which \$211 million (69%) relates to the treatment of fractures.
- In 2012 the total direct costs of osteoporosis and osteopenia in Western Australian adults aged 50 years and over, were almost \$250 million of which \$170 million (69%) relates to the treatment of fractures.

People in Western Australia over 50 estimated to have osteoporosis or osteopenia in 2022



Number of fractures due to osteoporosis and osteopenia



Total direct costs of fractures, 2013-2022 (2012\$) \$millions

