

NORTHERN TERRITORY

Burden of Osteoporosis, Osteopenia and Associated Fractures in the Northern Territory



Authors
Kerrie M Sanders, Jennifer J Watts, Julie Abimanyi-Ochom, Ghulam Murtaza

Osteoporosis costing the Northern Territory: A burden of disease analysis – 2012 to 2022

Summary – Key Findings

Burden of Osteoporosis, Osteopenia and Associated Fractures in the Northern Territory

Poor Bone Health: 2012-2022

- By 2022, it is estimated there will be 44,510 older people in the Northern Territory with low bone mass, an increase of 42% from 2012.
- 38,107 adults in the Northern Territory aged 50 years and older (63%) have osteoporosis or osteopenia (poor bone health) in 2017.
- 31,400 adults in the Northern Territory aged 50 years and older (63%), had osteoporosis or osteopenia (poor bone health) in 2012.
- Among people in the Northern Territory aged 50 years and older, 11% had osteoporosis and 52% have osteopenia.
- Among people in the Northern Territory aged 70 years and older, 43% of women and 13% of men had osteoporosis (1,500 women and 500 men).

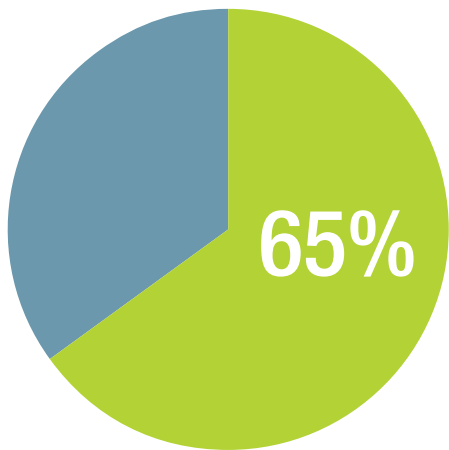
Fracture Impact: 2012-2022

- The total number of fractures over the ten year period 2013 to 2022 is projected to be 10,036.
- In 2022 it is expected there will be a 55% increase in the annual number of fractures (over 10 years) resulting in 1,200 fractures per annum.
- In 2022 there will be 3.3 fractures every day among older adults in the Northern Territory. Approximately one in seven of these fractures will be a hip fracture.
- In 2017 there will be 2.7 fractures every day among older adults in the Northern Territory.

Cost Impact: 2012-2022

- The total direct costs of fractures over the ten years 2013 to 2022 will be \$110 million (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 Northern Territory adults aged 50 years and over will be \$16.7 million of which \$10.7 million (64%) relates to the treatment of fractures.
- In 2012 the total direct costs of osteoporosis and osteopenia in Northern Territory adults aged 50 years and over, were \$14.4 million of which \$8.3 million (64%) relates to the treatment of fractures.

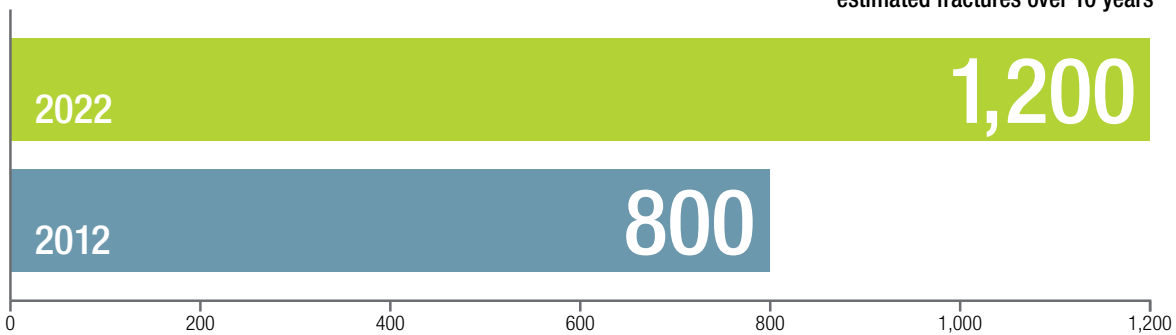
People in the Northern Territory over 50 estimated to have osteoporosis or osteopenia in 2022



44,500
People in the Northern Territory over 50

Number of fractures due to osteoporosis and osteopenia

10,036
estimated fractures over 10 years



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

\$110 million
total cost over 10 years

