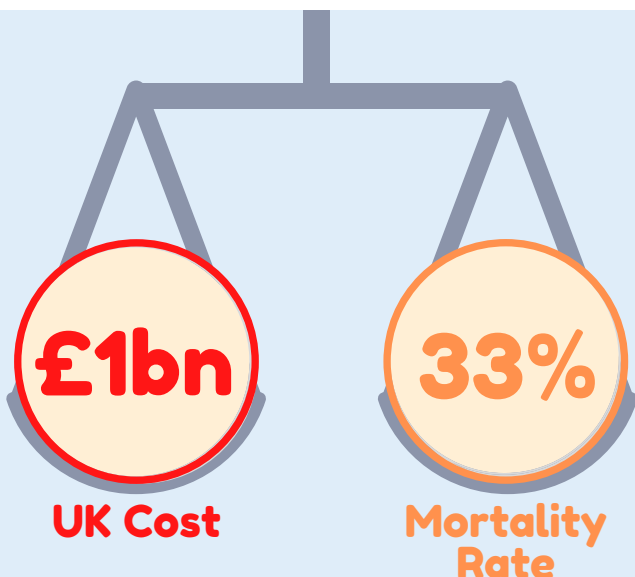
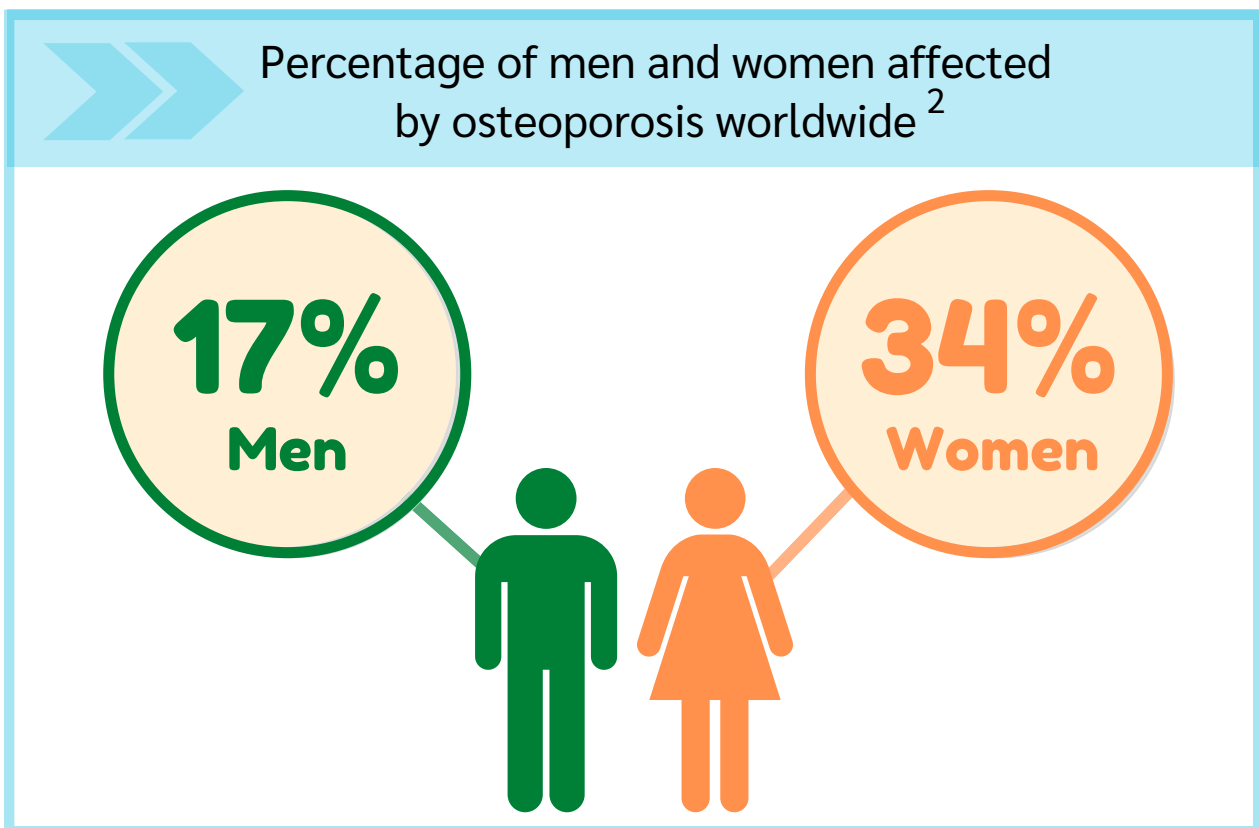


The Problem

With the growth and ageing of the global population, there is a looming threat to healthcare providers and the wider economy from an approaching 'fracture tsunami'.¹



Hip Fractures

Top of the list in terms of cost to healthcare providers and impact on patients is hip fractures, which cost the UK alone £1bn in 2019 and carry a mortality rate of 33%.³

The Solution

Low trauma distal forearm fractures are widely regarded as an early sign of osteoporosis in both men and women.¹⁰

They occur on average around 15 years prior to a hip fracture, offering an excellent early opportunity for early clinical intervention.

However, studies report only 5% of patients receiving osteoporosis treatment 12 months after distal forearm fracture.¹¹



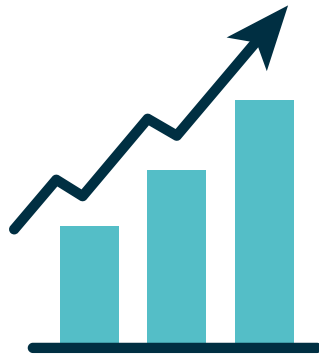
"Early Warning leads to Early Intervention"

Early Prevention

Uniquely, IBEX Trueview® software will measure a patient's bone health from a standard X-ray, meaning that the early signs of a problem can be identified from the first fracture, 10-15 years before the onset of serious osteoporosis...

Human Costs

Previous and incident fractures account for 1,180,000 quality-adjusted life years lost within Europe during 2010. These costs are expected to increase by 25% in 2025.⁴



Annually, in Europe, 3.5 million new fragility fractures occur, the primary three being hip (610,000 fractures), distal forearm (560,000 fractures), and Spine (520,000 fractures).⁵

Following a hip fracture, quality of life is significantly impaired...



40% of patients are unable to walk independently



60% have difficulty with one essential daily activity



80% are restricted in other activities e.g. driving or shopping



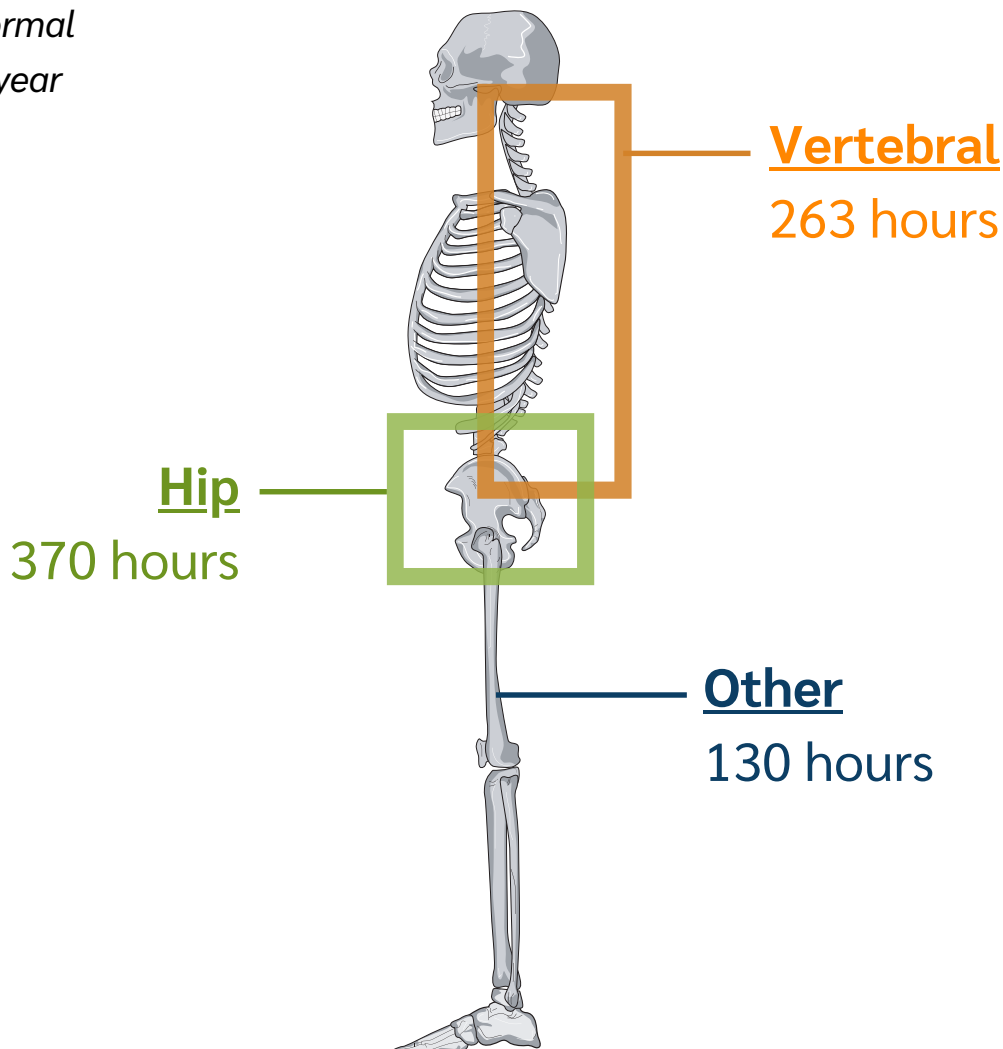
27% enter a nursing home for the first time

...further adding to the huge societal cost of this disease.⁶

Impact on Others

As a result of reduced mobility and ability to complete activities of daily living, individuals who have suffered a fragility fracture may rely on informal caregivers, such as family members or friends.⁷

*Hours of care
provided by informal
caregivers per year*



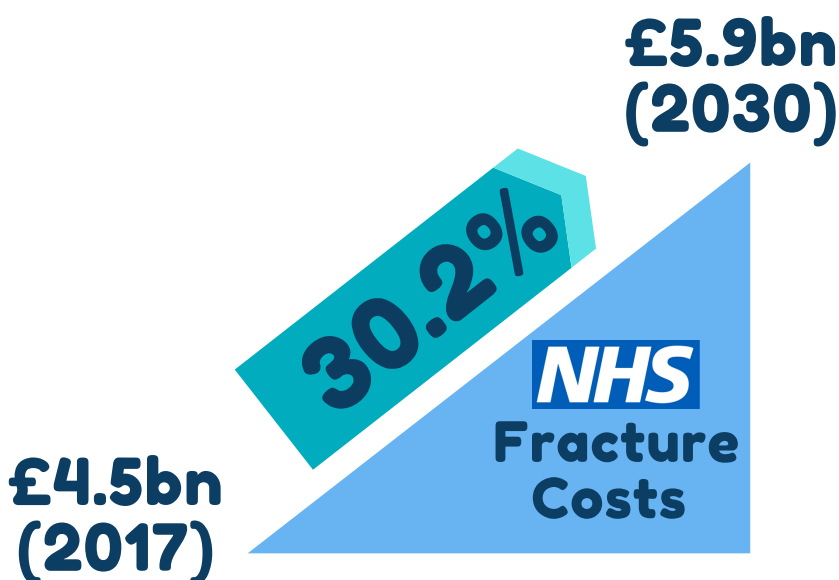
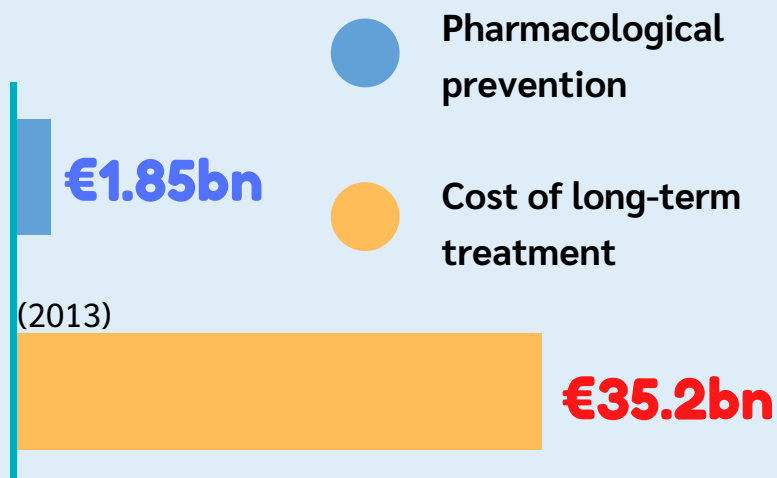
One study found that 80% of older women surveyed said they would rather be dead than experience the loss of independence and quality of life that results from a bad hip fracture and subsequent admission to a nursing home.¹²

Financial Costs

One US Study showed that in the 12 months following a fracture, all-cause healthcare costs exceeded \$30,000, of which an average of \$3000 was paid by the patient. 6.6% of patients with a fracture had at least 1 additional fracture within a year and 20.9% after 4 years.⁸

Costs to healthcare organisations

In 2013, €37bn was spent on fracture care in Europe, 95% of this was spent on treatment and long-term care, whereas pharmacological prevention makes up just 5% of this.⁵



In 2017, the cost of fragility fractures for the NHS amounted to £4.5 billion, this is set to increase by over 30% to £5.9 billion by 2030.⁹

IBEX Trueview[®]

Our quantitative DR (qDR) technology is entirely software based and produces a normal, osteopaenic or osteoporotic, bone health classification from a standard X-ray scan without any change to clinical protocol, or radiographic hardware.

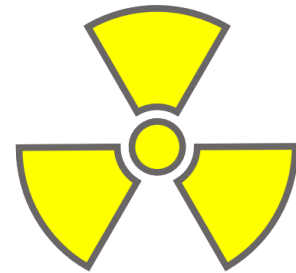
A window of opportunity

This presents a unique opportunity to screen all patients presenting with a fracture for osteoporosis, regardless of age or gender, to provide timely intervention and many more decades of healthy, active life.

**bone health
assessment on
every DR scan**



**No increase to
patient dose**



**Minimise costs
for healthcare
providers**



**Bring forward
clinical
intervention**

**by up to
15 years**

IBEX Trueview®

See more clearly

www.ibexmedical.co.uk

IBEX Innovations Limited, Explorer 2, Netpark, Sedgefield TS21 3FF, UK



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