

# BROKEN BONES, BROKEN LIVES

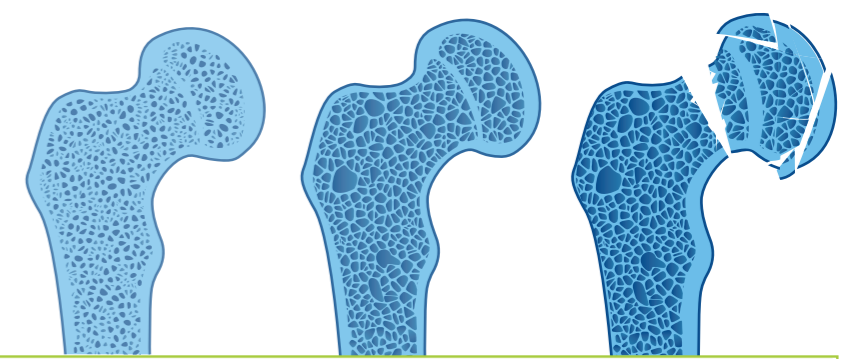
THE FRAGILITY FRACTURE CRISIS IN SIX EUROPEAN COUNTRIES



## OSTEOPOROSIS

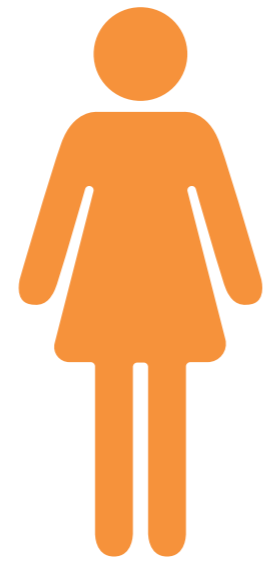


## FRAGILE BONES THAT FRACTURE EASILY



ESTIMATED PEOPLE AGED ≥ 50 WITH OSTEOPOROSIS

4.2  
MILLION



15.8  
MILLION

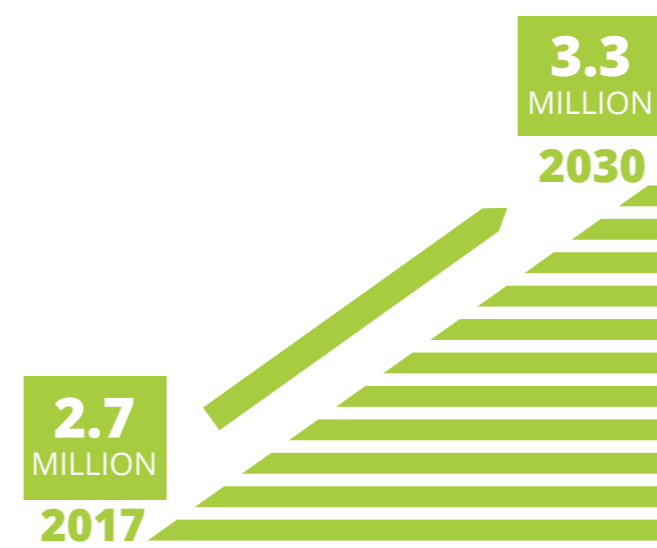
SIGNIFICANT INCREASE IN FRAGILITY FRACTURES EXPECTED

APPROXIMATELY

2.7  
MILLION

NEW FRACTURES  
IN THE EU6 DURING

2017



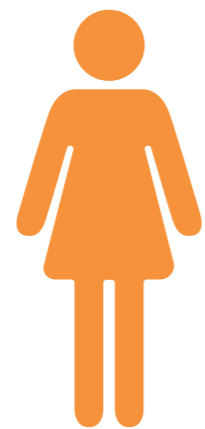
+23%

ESTIMATED LIFETIME RISK OF HIP FRACTURE

FOR MEN AGED  
50 YEARS  
IS BETWEEN



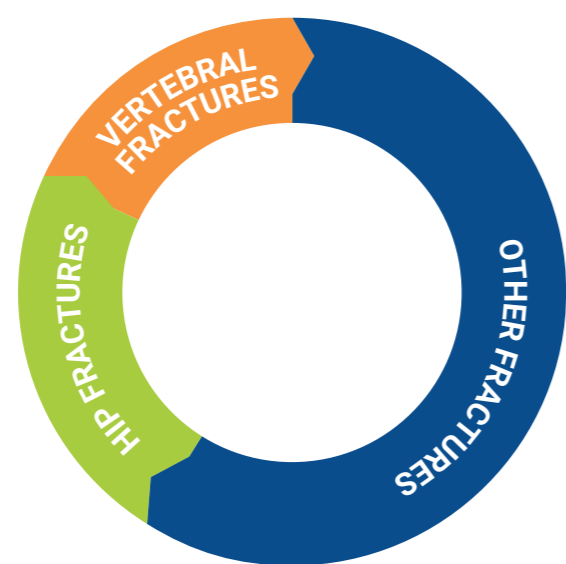
FOR WOMEN  
AGED  
50 YEARS  
IS BETWEEN



6.1% → 13.7%

9.8% → 22.8%

TOTAL NUMBER OF FRAGILITY FRACTURES PER YEAR



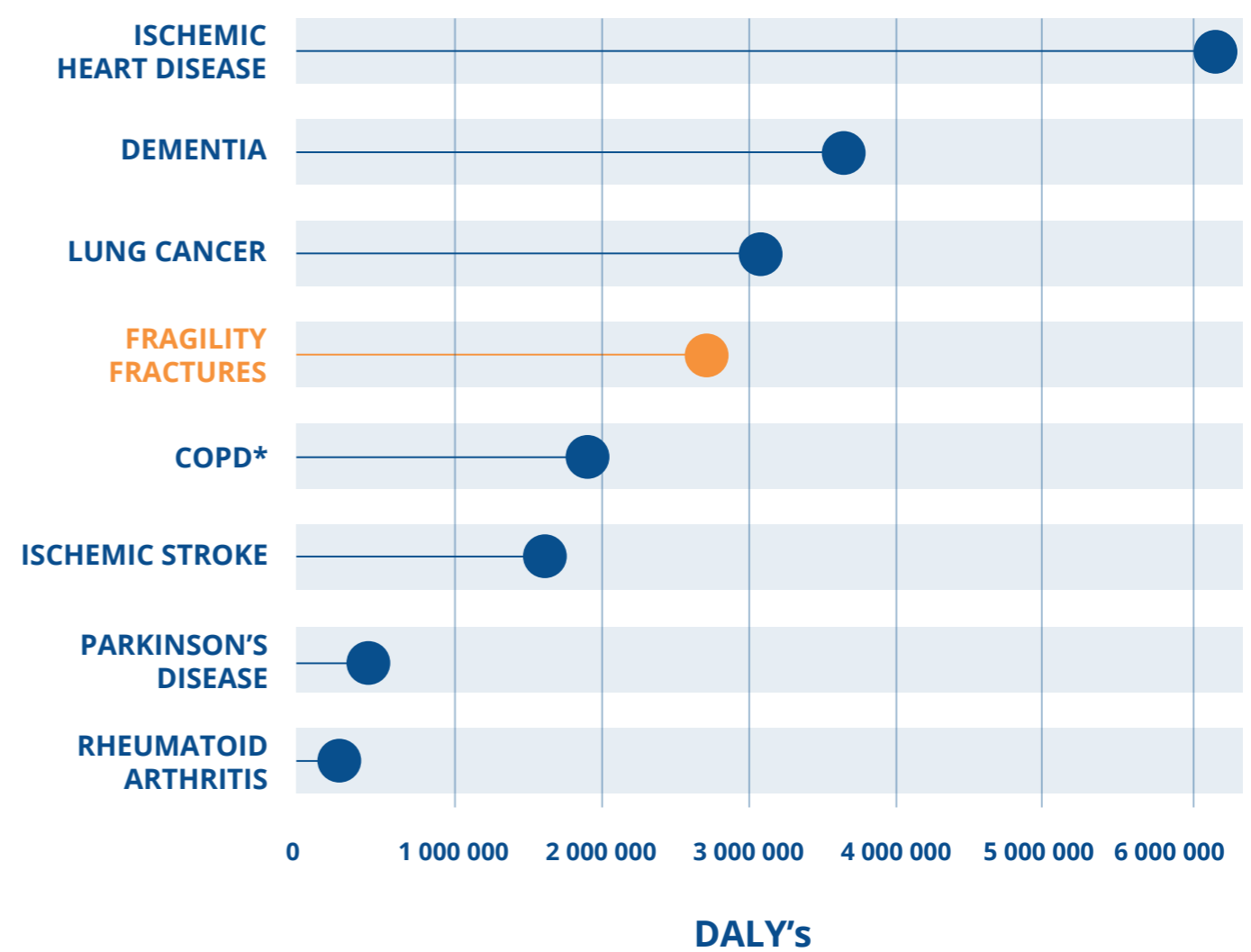
2.676.200

of which 51% were MOFs\*

HIP FRACTURES	20%
VERTEBRAL FRACTURES	15%
OTHER FRACTURES	65%

\* Major Osteoporotic Fractures

FRAGILITY FRACTURES ARE THE 4TH MOST BURDENSOME CHRONIC DISEASE



\*Chronic Obstructive Pulmonary Disease

## SIGNIFICANT HEALTHCARE COSTS

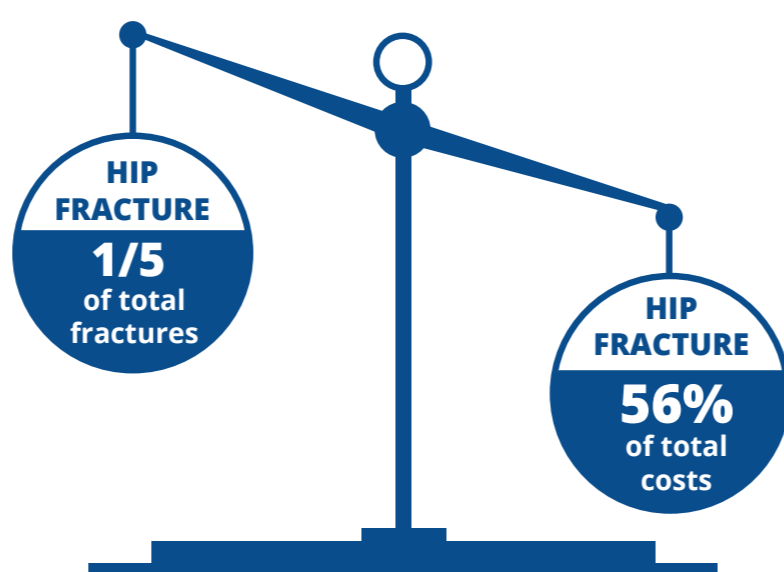
FRACTURE-RELATED COSTS € € €

1st  
YEAR

Happen **during first year** after fracture



Highest with **hip fractures**



€ 37.5  
BILLION  
2017

€ 47.4  
BILLION  
2030

27%

## LIFE-CHANGING IMPACT OF FRAGILITY FRACTURES



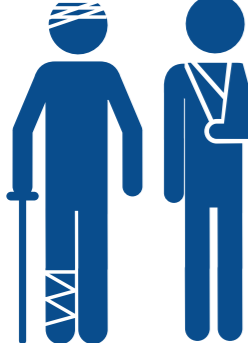
LONG-TERM CARE

35.3% of patients **aged 90+ years** move into long-term care following hip fracture



SICK DAYS

taken by **working persons** due to fragility fractures



7.615.720

REDUCED MOBILITY AND INABILITY TO CARRY OUT DAILY ACTIVITIES = BURDEN ON CAREGIVERS

HOURS OF CARE PER 1,000 INDIVIDUALS



VERTEBRAL FRACTURES  
263 HOURS  
OF CARE



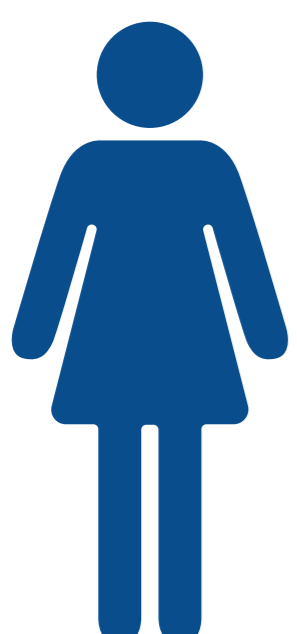
HIP FRACTURES  
370 HOURS  
OF CARE



OTHER FRACTURES  
130 HOURS  
OF CARE

## EFFECTIVE MANAGEMENT IMPROVES OUTCOMES AND REDUCES COSTS

MASSIVE TREATMENT GAP



60–85%

OF WOMEN **DO NOT RECEIVE TREATMENT** FOLLOWING A FRACTURE

FRACTURE LIAISON SERVICES (FLS)

= cost-effective care delivery model to **IMPROVE OVERALL OUTCOMES & REDUCE COSTS**

EFFECTS of FLS (absolute change)

