**OSTEOPOROSIS**

Frail and Fragile Bones Easily

**FRAGILITY FRACTURES ARE THE 4TH MOST BURDENSOME CHRONIC DISEASE**

- Chronic Obstructive Pulmonary Disease (COPD)
- Ischemic Stroke
- Parkinson’s Disease
- Rheumatoid Arthritis
- Lung Cancer
- Dementia
- Ischemic Heart Disease

**THE FRAGILITY FRACTURE CRISIS IN SPAIN**

- **2017**: 330,000 fragility fractures
- **2030**: 420,000 fragility fractures

**ESTIMATED PEOPLE AGED ≥ 50 WITH OSTEOPOROSIS**

- **2017**: 2.2 million
- **2030**: 3.3 million

**TOTAL NUMBER OF FRAGILITY FRACTURES PER YEAR**

- **2017**: 330,000 fractures

**LIFE-CHANGING IMPACT OF FRAGILITY FRACTURES**

- Long-term care for patients aged 90+ years
- Sickness days for individuals of pre-retirement age

**SIGNIFICANT HEALTHCARE COSTS**

- **1st YEAR**: €5.5 billion
- **2030**: €4.2 billion

**FRACTURE-LIAISON SERVICES (FLS)**

- Improve overall outcomes
- Reduce costs

**EFFECTIVE MANAGEMENT IMPROVES OUTCOMES AND REDUCES COSTS**

- **72%** of women do not receive treatment following a fracture

**FRACTURE-LIAISON SERVICES (FLS)**

- Cost-effective care delivery model to improve overall outcomes and reduce costs

**355,306** SICK DAYS

- 37% vertebral fractures
- 22% hip fractures

**1/5 of total fractures**

1/5 of total costs

**HIP FRACTURE**

- 62% of total costs

**HAPPEN DURING FIRST YEAR**

- 63% of patients aged 90+ years move into long-term care following hip fracture

**LONG-TERM CARE**

- 35.3% of pre-retirement age individuals affected by fragility fractures taken in Spain

**FRACURE-RELATED COSTS**

- Hip fractures:
  - 370 hours of care
  - €9.5 thousand
- Vertebral fractures:
  - 263 hours of care
  - €3.1 thousand
- Other fractures:
  - 130 hours of care
  - €1.7 thousand

**REduced Mobility and Inability to Carry out daily activities**

- Hours of care per 1,000 individuals

**STUDY FINDINGS**

- **30.6%** of patients aged 90+ years
- **35.3%** patients aged 90+ years
- **20%** of patients aged 70+ years

**MASSIVE TREATMENT GAP**

- **72%** of women do not receive treatment following a fracture

- **9%** for men aged 50 years
- **10%** for women aged 50 years

- **22%** hip fractures
- **15%** vertebral fractures
- **63%** other fractures

**APPROXIMATELY**

- **330,000** new fractures in Spain during 2017

**+28.8%**