**LIFE-CHANGING IMPACT OF FRAGILITY FRACTURES**

- **35.3%** of patients aged 90+ years move into long-term care following hip fracture taken in UK among individuals of pre-retirement age affected by fragility fractures.

- **520,000** new fractures in the UK during 2017:
  - **30%** of patients died within 1 year of fracture
  - **40%** survive 5 years
  - **65%** are unable to return to their original level of activity

- **VERTEBRAL FRACTURES** (16% of total fractures, 58% of total costs)
- **HIP FRACTURES** (19% of total fractures, 20% of total costs)
- **OTHER FRACTURES** (65% of total fractures, 20% of total costs)

- **FRACTURE-RELATED COSTS**
  - **HIP FRACTURE**
    - **1/5 of total fractures**
    - **58% of total costs**
  - **VERTEBRAL FRACTURES**
    - **263 hours of care**
    - **58% of total costs**
  - **OTHER FRACTURES**
    - **130 hours of care**
    - **58% of total costs**

- **Impact of Fracture Liaison Services (FLS)**
  - **Reduces mortality by 20%**
  - **Reduces re-fracture rate by 22%**
  - **Improves BMD testing and treatment initiation**

- **ESTIMATED PEOPLE AGED > 50 WITH OSTEOPOROSIS**
  - **0.7 MILLION** men
  - **2.8 MILLION** women

- **ESTIMATED LIFETIME RISK OF HIP FRACTURE**
  - **8.3%** for men aged 50 years
  - **17.2%** for women aged 50 years

- **SIGNIFICANT HEALTHCARE COSTS**
  - **£ 5.5 BILLION** in 2020
  - **£ 4.5 BILLION** in 2017

- **FRACTURE LIAISON SERVICES (FLS)**
  - **Cost-effective care delivery model**
  - **Improves overall outcomes**
  - **Reduces costs**

- **EFFECTIVE MANAGEMENT IMPROVES OUTCOMES AND REDUCES COSTS**
  - **Massive Treatment Gap**
    - **49% of women do not receive treatment following a fracture**

- **SIGNIFICANT INCREASE IN FRAGILITY FRACTURES EXPECTED**
  - **17.2%** for women aged 50 years
  - **8.3%** for men aged 50 years

- **TOTAL NUMBER OF FRAGILITY FRACTURES PER YEAR**
  - **520,000**
  - **19% HIP fractures**
  - **16% vertebral fractures**
  - **65% other fractures**

- **OSTEOPOROSIS**
  - Fragile bones that fracture easily
  - **17.2%** estimated lifetime risk of hip fracture for women aged 50 years
  - **8.3%** estimated lifetime risk of hip fracture for men aged 50 years

- **FRACTURE LIAISON SERVICES (FLS)**
  - BMD testing
  - Treatment initiation
  - -5% mortality
  - -3% re-fracture rate

- **FRACTURE-RELATED COSTS**
  - **£ 5.9 BILLION** in 2020
  - **£ 4.5 BILLION** in 2017

- **DAYS OF CARE FOR 1,000 INDIVIDUALS**
  - **VERTEBRAL FRACTURES**
    - **263 hours of care**
  - **HIP FRACTURES**
    - **370 hours of care**
  - **OTHER FRACTURES**
    - **130 hours of care**

- **FRAGILITY FRACTURES ARE THE 4TH MOST BURDENSOME CHRONIC DISEASE**
  - COPD*
  - Ischemic Stroke
  - Parkinson’s Disease
  - Rheumatoid Arthritis
  - Dementia

- **THE FRAGILITY FRACTURE CRISIS IN THE UNITED KINGDOM**
  - **0.7 MILLION** in 2017
  - **2.8 MILLION** in 2030

- **FRAGILITY FRACTURES ARE THE 4TH MOST BURDENSOME CHRONIC DISEASE**
  - Chronic Obstructive Pulmonary Disease

- **NEW FRACTURES IN THE UK DURING 2017**
  - **+26.2%**

- **EFFECTIVE MANAGEMENT IMPROVES OUTCOMES AND REDUCES COSTS**
  - **Massive Treatment Gap**
  - **49% of women do not receive treatment following a fracture**

- **REDUCED MOBILITY AND INABILITY TO CARRY OUT DAILY ACTIVITIES = BURDEN ON CAREGIVERS**
  - **35.3% of patients**

- **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**

- **LONG-TERM CARE**
  - **Reduced mobility and inability to carry out daily activities = burden on caregivers**

- **TOTAL NUMBER OF FRAGILITY FRACTURES PER YEAR**
  - **520,000**
  - **of which 50% were MOFs**

- **FRACTURE-RELATED COSTS**
  - **£ 5.9 BILLION** in 2020
  - **£ 4.5 BILLION** in 2017

- **LIFE-CHANGING IMPACT OF FRAGILITY FRACTURES**
  - **35.3%** of patients aged 90+ years move into long-term care following hip fracture

- **2,626,421** sick days taken in UK among individuals of pre-retirement age affected by fragility fractures.

- **1st YEAR**
  - Happen during first year after fracture
  - Highest with hip fractures

- **OSTEOPOROSIS**
  - Fragile bones that fracture easily
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