SUPPLEMENTARY DATA

Supplementary Table 1. Incidence of fractures per 100,000 person-years in the UK by age

|  |  |  |  |
| --- | --- | --- | --- |
| Age | Hip | Vertebral | NHNV |
| 50–54 | 33 | 84 | 633 |
| 55–59 | 51 | 142 | 813 |
| 60–64 | 81 | 143 | 979 |
| 65–69 | 132 | 192 | 1,425 |
| 70–74 | 282 | 397 | 1,928 |
| 75–79 | 619 | 602 | 2,891 |
| 80–84 | 1,236 | 777 | 3,876 |
| 85+ | 2,255 | 1,061 | 5,958 |

**Abbreviations:** NHNV: non-hip non-vertebral; UK: United Kingdom.
**Source:** Singer et al. 1998 [1]

Supplementary Table 2. Distribution of clinical risk factors

|  |  |
| --- | --- |
| Risk factor | Mean or proportion (%) |
| Age | 70 |
| Body mass index | 29.4 |
| Femoral neck T-score | -3.0 |
| Previous fracture | 100% |
| Parent fractured hip | 22% |
| Current smoking | 18% |
| Glucocorticoids | 5% |
| Alcohol 3 or more units/day | 1% |
| Rheumatoid arthritis | 3% |

Supplementary Table 3. Population tariff values for UK

|  |  |
| --- | --- |
| Age | General population utility |
| 50 | 0.849 |
| 55 | 0.804 |
| 60 | 0.804 |
| 65 | 0.785 |
| 70 | 0.785 |
| 75 | 0.734 |
| 80 | 0.734 |

Abbreviations: UK: United Kingdom
Source: Szende et al. 2014 [2]

Supplementary Table 4. Utility multipliers

|  |  |
| --- | --- |
| **Fracture type/period** | **Utility multiplier** |
| *First year after fracture* |
| Hip fracture | 0.545 |
| Clinical vertebral fracture | 0.671 |
| Other (NHNV) fractures | 0.791 |
| *Second and following years after fracture* |
| Hip fracture | 0.857 |
| Clinical vertebral fracture  | 0.841 |
| Other (NHNV) fractures | 0.952 |

**Abbreviations:** NHNV: non-hip non-vertebral
**Source:** International Costs and Utilities Related to Osteoporotic Fractures Study (ICUROS) [3]

Supplementary Table 5. Cost of fractures

|  |  |
| --- | --- |
| **Fracture type/period** | **Cost (£, 2019)** |
| *First year after fracture* |
| Hip fracture | 13,080 |
| Clinical vertebral fracture | 2,870 |
| Other (NHNV) fractures | 2,005 |
| *Second and following years after fracture* |
| Hip fracture | 115 |
| Clinical vertebral fracture  | 367 |

**Abbreviations:** NHNV: non-hip non-vertebral
**Source:** Gutierrez, L., et al 2012 and 2011, Davis, S., 2015 [4, 5, 6]

References

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