Patients aged 45 years or older, discharged between July 1, 2003 and December 31, 2005 with a diagnosis of osteoporotic bone fractures (84,558)

Patient discharged for new osteoporotic bone fractures (75,441)

Patients starting BPs therapy for secondary prevention of osteoporotic fractures (69,108)

Patients starting BPs therapy for secondary prevention of osteoporotic fractures with more than 60 days of follow-up (68,970)

Patients who experienced incident hospitalization for UGIC until December 31, 2007

12,787 matched controls

804 case patients

Patients previously discharged for osteoporotic fractures, gastrointestinal problems or other disease (9,117)

Patients who previously took BPs (6,333)

Patients with less than 60 days of follow-up (138)