

Fig.E-1

Inclusion of patients in years 0 to 7.

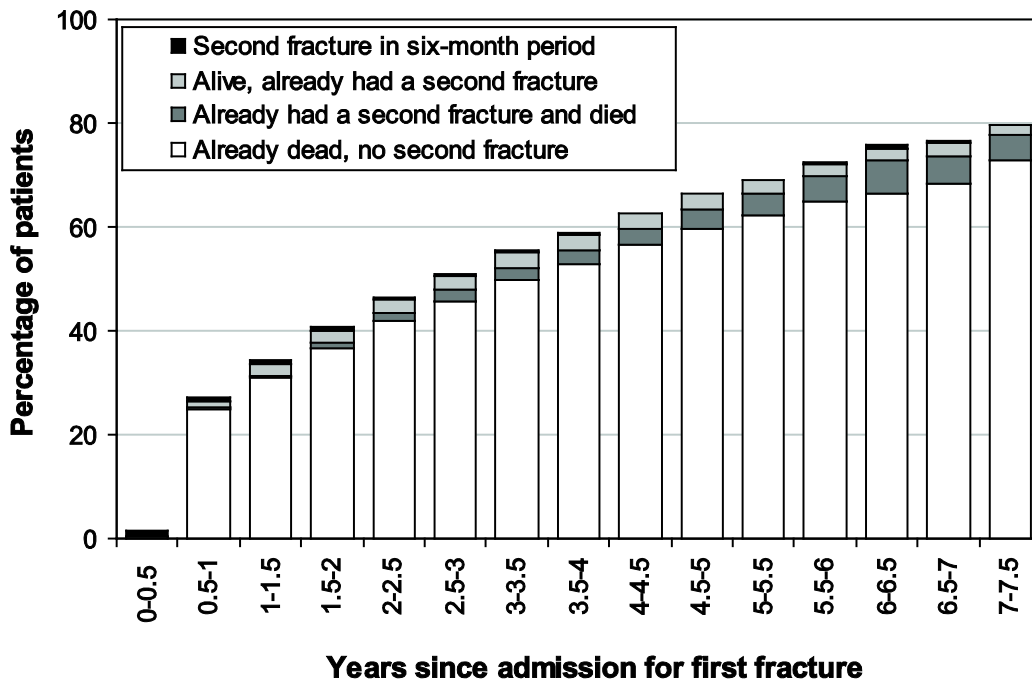


Fig.E-2

Outcome of patients in years 0 to 7. Percentage is based on patients from Figure E-1 who were eligible for inclusion because their hospital was still continuously participating in the Scottish Hip Fracture Audit at a given time after the patient's original admission.

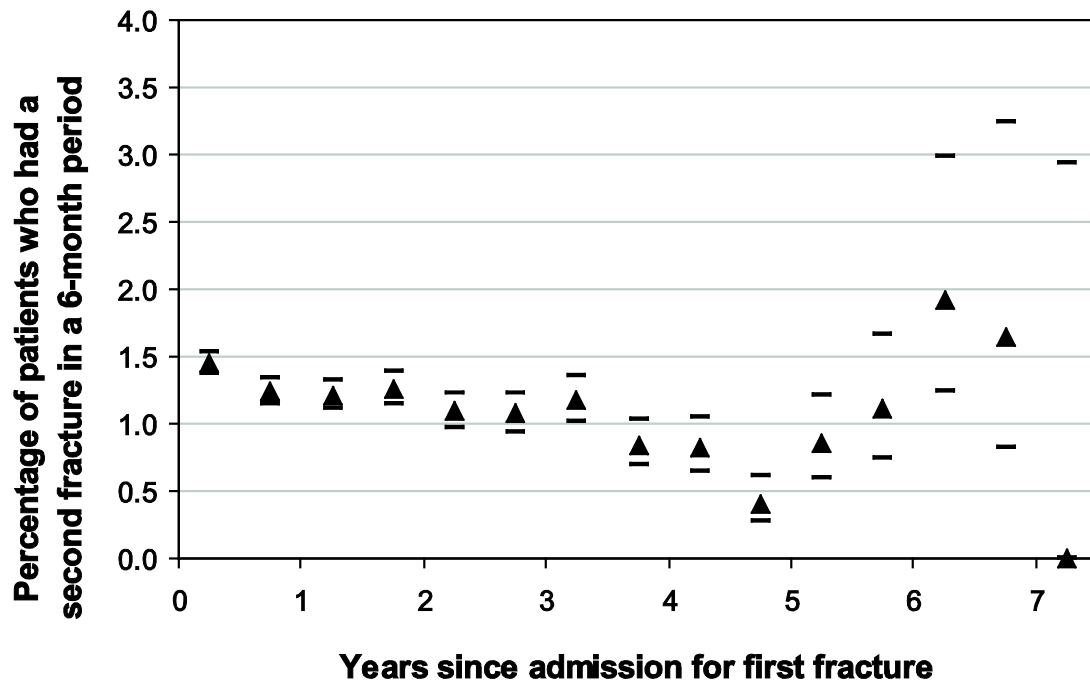


Fig.E-3

Triangles indicate the percentage of surviving patients who sustained a second fracture in a given half-year period after the primary fracture. These data relate to a period of continuous hospital participation. This cohort consists of surviving patients and excludes those who had already sustained a second fracture prior to the start of the subsequent six-month period. Bars denote standard errors (binomial distribution).

TABLE E-1 Place of Residence of Surviving Patients at 120 Days According to Whether or When a Second Hip Fracture Occurred

| Patient Group | Home or Residential | Nursing Home | Rehabilitation | Acute Care Hospital or Other | Total |
|--|---------------------|-------------------|------------------|------------------------------|----------------|
| First fracture, with no known second (min. 1 yr)* | 8245/13,683 (60%) | 3028/13,683 (22%) | 1275/13,683 (9%) | 1135/13,683 (8%) | 13,683 (100%) |
| First of two fractures, with second at >1 yr† | 412/621 (66%) | 124/621 (20%) | 43/621 (7%) | 42/621 (7%) | 621/621 (100%) |
| First of two fractures, with second at 4 mo to 1 yr† | 131/287 (46%) | 99/287 (34%) | 32/287 (11%) | 25/287 (9%) | 287(100%) |
| First of two fractures, with second at 0-4 mo† | 62/256 (24%) | 74/256 (29%) | 60/256 (23%) | 60/256 (23%) | 256 (100%) |
| Second fracture, >1 yr after first‡ | 179/399 (45%) | 162/399 (41%) | 30/399 (8%) | 28/399 (7%) | 399(100%) |
| Second fracture, 4 mo to 1 yr after first‡ | 82/217 (38%) | 101/217 (47%) | 16/217 (7%) | 18/217 (8%) | 217 (100%) |
| Second fracture, 0-4 mo after first† | 70/221 (32%) | 84/221 (38%) | 35/221 (16%) | 32/221 (14%) | 221 (100%) |

*Patient only sustained a single fracture within the minimum follow-up period of twelve months.

†Outcome after first fracture at 120 days in patients who went on to sustain a second fracture during the time period indicated. ‡Outcome after second fracture, which occurred during time period indicated subsequent to the primary fracture.

TABLE E-2 Indoor Mobility at 120 Days of Surviving Patients According to If/When a Second Hip Fracture Occurred

| Patient Group | No Walking Aids and Unaccompanied | One Walking Aid and Unaccompanied | Two Walking Aids and/or Walker Frame and Unaccompanied | Requires Accompaniment | Unable to Walk | Total |
|--|-----------------------------------|-----------------------------------|--|------------------------|-------------------|---------------|
| First fracture, with no known second at a minimum of 1 yr* | 1907/13,569 (14%) | 3489/13,569 (26%) | 4468/13,569 (33%) | 2125/13,569 (16%) | 1580/13,569 (12%) | 13,569 (100%) |
| First of two fractures, with second at >1 yr† | 112/621 (18%) | 194/621 (31%) | 236/621 (38%) | 55/621 (9%) | 24/621 (4%) | 621 (100%) |
| First of two fractures, with second at 4 mo to 1 yr† | 32/287 (11%) | 57/287 (20%) | 109/287 (38%) | 73/287 (25%) | 16/287 (6%) | 287 (100%) |
| First of two fractures, with second at 0 to 4 mo† | 14/254 (6%) | 11/254 (4%) | 80/254 (31%) | 90/254 (35%) | 59/254 (23%) | 254 (100%) |
| Second fracture, >1 yr after first‡ | 35/398 (9%) | 48/398 (12%) | 161/398 (40%) | 88/398 (22%) | 66/398 (17%) | 398 (100%) |
| Second fracture, 4 mo to 1 yr after first‡ | 17/215 (8%) | 21/215 (10%) | 82/215 (38%) | 49/215 (23%) | 46/215 (21%) | 215 (100%) |
| Second fracture, 0 to 4 mo after first‡ | 14/220 (6%) | 15/220 (7%) | 79/220 (36%) | 71/220 (32%) | 41/220 (19%) | 220 (100%) |

*Patient only sustained a single fracture within the minimum follow-up period of twelve months.

†Outcome after first fracture at 120 days in patients who went on to sustain a second fracture during the time period indicated. ‡Outcome after second fracture, which occurred during time period indicated subsequent to the primary fracture.

TABLE E-3 Length of Stay in Acute Orthopaedic Care

| Patient Group | Mean No. of Days | Median No. of Days | No. of Patients |
|---|------------------|--------------------|-----------------|
| First fracture, no known second (min. of 1 yr)* | 16.2 | 11 | 19,217 |
| First of two fractures, with second at >1 yr† | 17.3 | 12 | 667 |
| First of two fractures, with second at 4mo to 1 yr† | 19.1 | 13 | 313 |
| First of two fractures, with second at 0 to 4 mo† | 22.2 | 14 | 323 |
| Second fracture, >1 yr after first‡ | 15.0 | 11 | 650 |
| Second fracture, 4mo to 1 yr after first‡ | 15.0 | 10 | 312 |
| Second fracture, 0 to 4 mo after first‡ | 18.7 | 10 | 322 |
| Mean or total | 16.4 | 11 | 21,804 |

*Patient only sustained a single fracture within the minimum follow-up period of twelve months.

†Outcome after first fracture at 120 days in patients who went on to sustain a second fracture during the time period indicated. ‡Outcome after second fracture, which occurred during time period indicated subsequent to the primary fracture.