eTable 1. Patient characteristics for teaching hospitals in subgroups defined by annual volume of hip fracture surgery, and time of admission\*

|  |  |  |
| --- | --- | --- |
|  | **>174 surgeries volume** | **≤174 surgeries volume** |
|  | **working hours** | **after hours** | **weekend** | **working hours** | **after hours** | **weekend** |
|  | n (%) | n (%) | n (%) | n (%) | n (%) | n (%) |
| Age over 85 | 4966 (46.8) | 8111 (45.7) | 7930 (46.5) | 1399 (41.9) | 2226 (42.5) | 2161 (41.4) |
| Men | 2870 (27.0) | 4844 (27.3) | 4464 (26.2) | 941 (28.2) | 1490 (28.5) | 1409 (27.0) |
| Transcervical | 5559 (52.3) | 9465 (53.3) | 8867 (52.0) | 1697 (50.9) | 2726 (52.1) | 2659 (50.9) |
| Comorbidity† | 2899 (27.3) | 4664 (26.3) | 4523 (26.5) | 965 (28.9) | 1645 (31.4) | 1509 (28.9) |
| Preadmission residence‡ | 5693 (53.6) | 9804 (55.2) | 9117 (53.5) | 2099 (62.9) | 3552 (67.9) | 3340 (63.9) |
| Fixation | 6168 (58.1) | 10222 (57.6) | 10004 (58.7) | 2021 (60.6) | 3082 (58.9) | 3189 (61.0) |
| 2 or more days delay | 4583 (43.2) | 8343 (47.0) | 7356 (43.1) | 1343 (40.3) | 2615 (50.0) | 2029 (38.8) |
| Province |  |  |  |  |  |  |
|   British Columbia | 2262 (21.3) | 3295 (18.6) | 3140 (18.4) | 823 (24.7) | 1182 (22.6) | 1188 (22.7) |
|   Alberta | 2199 (20.7) | 4485 (25.3) | 4204 (24.6) | 184 (5.5) | 368 (7.0) | 367 (7.0) |
|   Saskatchewan & Manitoba  | 1664 (15.7) | 2280 (12.8) | 2417 (14.2) | 361 (10.8) | 594 (11.3) | 673 (12.9) |
|   Ontario | 3189 (30.0) | 5737 (32.3) | 5371 (31.5) | 1672 (50.1) | 2716 (51.9) | 2639 (50.5) |
|   Maritme | 693 (6.5) | 1114 (6.3) | 1111 (6.5) | 292 (8.8) | 372 (7.1) | 354 (6.8) |
|   Newfoundland & Territories | 614 (5.8) | 840 (4.7) | 814 (4.8) | 4 (0.1) | 2 (0.0) | 3 (0.1) |

\*Excludes 25 patients with unknown admission time and 53 patients treated in hospitals with annual volume below 12.

†At least 1 acute admission for heart failure, chronic obstructive pulmonary disease, ischaemic heart disease, hypertension, or diabetes in the year prior to admission for hip fracture.

‡Admitted to acute care from home.

eTable 2. Patient characteristics for large community hospitals in subgroups defined by annual volume of hip fracture surgery, and time of admission\*

|  |  |  |
| --- | --- | --- |
|  | **>141 surgeries volume** | **≤141 surgeries volume** |
|  | **working hours** | **after hours** | **weekend** | **working hours** | **after hours** | **weekend** |
|  | n (%) | n (%) | n (%) | n (%) | n (%) | n (%) |
| Age over 85 | 5989 (46.7) | 7695 (45.4) | 7982 (46.1) | 3052 (47.1) | 3353 (45.4) | 3540 (45.2) |
| Men | 3366 (26.2) | 4537 (26.8) | 4516 (26.1) | 1732 (26.7) | 1946 (26.3) | 2063 (26.3) |
| Transcervical | 6638 (51.8) | 8761 (51.7) | 8741 (50.4) | 3387 (52.3) | 3913 (52.9) | 4100 (52.3) |
| Comorbidity† | 3510 (27.4) | 4595 (27.1) | 4616 (26.6) | 1752 (27.0) | 2007 (27.2) | 2070 (26.4) |
| Preadmission residence‡ | 7629 (59.5) | 11255 (66.5) | 10960 (63.2) | 3953 (61.0) | 4799 (64.9) | 4922 (62.8) |
| Fixation | 7689 (60.0) | 10115 (59.7) | 10658 (61.5) | 3947 (60.9) | 4495 (60.8) | 4748 (60.6) |
| 2 or more days delay | 4119 (32.1) | 6738 (39.8) | 5002 (28.9) | 1517 (23.4) | 2532 (34.3) | 1889 (24.1) |
| Province |  |  |  |  |  |  |
|   British Columbia | 2311 (18.0) | 2978 (17.6) | 2944 (17.0) | 1352 (20.9) | 1644 (22.2) | 1707 (21.8) |
|   Alberta | 756 (5.9) | 759 (4.5) | 796 (4.6) | 651 (10.0) | 637 (8.6) | 694 (8.9) |
|   Saskatchewan & Manitoba  | 1621 (12.6) | 1851 (10.9) | 1781 (10.3) | 441 (6.8) | 385 (5.2) | 408 (5.2) |
|   Ontario | 7445 (58.1) | 10844 (64.0) | 11144 (64.3) | 2696 (41.6) | 3539 (47.9) | 3680 (46.9) |
|   Maritme | 690 (5.4) | 501 (3.0) | 667 (3.8) | 1147 (17.7) | 977 (13.2) | 1139 (14.5) |
|   Newfoundland & Territories | 0 (0.0) | 1 (0.0) | 1 (0.0) | 193 (3.0) | 210 (2.8) | 211 (2.7) |

\*Excludes 42 patients with unknown admission time and 28 patients treated in hospitals with annual volume below 12.

†At least 1 acute admission for heart failure, chronic obstructive pulmonary disease, ischaemic heart disease, hypertension, or diabetes in the year prior to admission for hip fracture.

‡Admitted to acute care from home.

eTable 3. Patient characteristics for medium community hospitals in subgroups defined by annual volume of hip fracture surgery, and time of admission\*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **working hours** | **after hours** | **weekend** |
|  | n (%) | n (%) | n (%) |
| Age over 85 | 3560 (46.3) | 3151 (45.2) | 3550 (45.9) |
| Men | 2003 (26.0) | 1830 (26.3) | 1999 (25.9) |
| Transcervical | 4112 (53.5) | 3626 (52.1) | 4021 (52.0) |
| Comorbidity† | 2004 (26.1) | 1856 (26.6) | 2023 (26.2) |
| Preadmission residence‡ | 4006 (52.1) | 4179 (60.0) | 4267 (55.2) |
| Fixation | 4647 (60.4) | 4193 (60.2) | 4775 (61.7) |
| 2 or more days delay | 1882 (24.5) | 2287 (32.8) | 2089 (27.0) |
| Province |  |  |  |
|   British Columbia | 1206 (15.7) | 1120 (16.1) | 1187 (15.3) |
|   Alberta | 221 (2.9) | 105 (1.5) | 129 (1.7) |
|   Saskatchewan & Manitoba  | 679 (8.8) | 648 (9.3) | 721 (9.3) |
|   Ontario | 3907 (50.8) | 3815 (54.8) | 4088 (52.9) |
|   Maritme | 1432 (18.6) | 1079 (15.5) | 1379 (17.8) |
|   Newfoundland & Territories | 245 (3.2) | 199 (2.9) | 229 (3.0) |

\*Excludes 1 patient with unknown admission time and 576 patients treated in hospitals with annual volume below 12.

†At least 1 acute admission for heart failure, chronic obstructive pulmonary disease, ischaemic heart disease, hypertension, or diabetes in the year prior to admission for hip fracture.

‡Admitted to acute care from setting other than home.