Table 2: Characteristics and casemix of the analyzed audits

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Spain (RNFC) [21] | Sweden (Rikshöft) [9] | Scotland (SHFA) [23] | Denmark  (DTRHL) [24] | Finland (PERFECT) [25] | Norway (NHR) [26] | England, Wales, Northern Ireland (NHFD) [27] | United States (Kaiser Permanente) [28] | Ireland  (IHFD) [30] | Australia  (ANZHFR) [31] | New Zealand (ANZHFR) [31] | Germany (ATR-DGU) [32] | Holland (DHFR) [33] | Italy (GIOG)  [34] |
| **AUDIT CHARACTERISTICS** | | | | | | | | | | | | | | |
| Year established | 2017 | 1988 | 1993 | 2003 | 2004 | 2005 | 2007 | 2009 | 2012 | 2016 | 2016 | 2016 | 2016 | 2016 |
| Age included (years) | ≥ 75 | ≥ 50 | ≥ 50 | ≥ 65 | ≥ 50 | All ages | ≥ 60 | All ages | ≥ 60 | ≥ 50 | ≥ 50 | ≥ 70 | All ages | ≥ 65 |
| Duration of Follow-up (days) | 30 | 120 | 30 | 30 / 2 years | 30 / 90 / 180 | 120 | 120 | Unspecified | 30 | 120 | 120 | 120 | 90 | 30 / 120 |
| Publication date (month/year) | 06/2018 | 10/2018 | 08/2018 | 05/2017 | 2017 | 06/2018 | 11/2018 | 2018 | 11/2018 | 08/2018 | 08/ 2018 | 11/2018 | 2018 | 07 / 2018 |
| Cases included | 7.208 | 13.272 | 6.669 | 6.679 | 4.458 | 8.321 | 65.958 | 44.221 | 3.497 | 7.117 | 2.291 | 6.137 b | 10.794 | 2.557 |
| Hospitals included | 54 | 48 | 19 | 25 | 24 | 48 | 175 | 50 | 16 | 41 | 15 | ~60 | 56 | 14 |
| **CASEMIX** | | | | | | | | | | | | | | |
| Gender (female, %) | 75 | 66 | 73 | 69 | - | 69 | (72) | 69 | 71 | 69 | 70 | 72 | 67 | 76.3 |
| Age (years) (mean, [median]) | 86.6 [87] 95+: 7.9% | 82 | [82] | 82 [83] 85+: 44% | - | 80 | (83) | 80 (men)  85 (women) | {79 (men)}  {81 (women)} | 84  90+: 25% | 84  90+: 25% | 84.5 [85] | [82] | 85 ± 7 |
| Place of residence (%)  - Own home  - Nursing care  - Hospital | 75  24  0.4 | 71  24  3 | 75  18  6 | 75  18  (1) | -  -  - | -  -  - | {81}  {19}  4 (in-hospital) | -  -  - | 82  10  8 | 71  17  - | 72  17  - | 74  23  1 | 60  19  - | 91  -  - |
| Walking ability (%)  - Independent, unaided  - Independent, technical aids  - Supervision  - Unable to walk | 37  46  12  5 | 70  15  3 | {50}  {39}  {10}  {1.4} | CAS score | -  -  -  - | -  -  -  - | {37}  {1.3} | -  -  -  - | 54  36  8  2 | 45  51  3 | 46  51  2.3 | -  -  -  - | 38  31  6  2 | -  -  -  - |
| Able to walk outdoors before fracture (%) | 56 | 63 | - | - | - | - | - | - | 73 |  |  | - |  | - |
| Prefracture cognitive dysfunction (%) a | 36a | 30 | 26 | - | - | 26 | - | - | 32a | 39 | 39 | - | 17 | 50a |
| ASA grade  - ASA grade 1 – 2 (%)  - ASA grade 3 – 4 (%) | 29  71 | 39  61 | (26)  (68) | Charlson comorbidity index | -  - | 34  65 | -  - | -  - | 41  59 | 9  91 | 11  89 | 23  75 | 42  58 | 34  66 |

Note: Where data was not available in the most recent publically available report, it was obtained from the paper by Johansen et al [32] – shown in parentheses ( ) – or from the audit of the year immediately prior – shown in brackets { }.

ASA: American Society of Anesthesiologists

CAS: Cumulative Ambulation Score

a: Normal cognition defined by Abbreviated Mental Test (AMT) score >6/10 in IHFD, and >7/10 in NHFD. Pfeiffer’s Short Portable Mental Status Questionnaire (SPMSQ) was used in the RNFC (cognitive dysfunction defined as >3/10 errors) and in Italy (cognitive dysfunction defined as ≥5/10 errors).

b: 315 cases (5.1%) of proximal femoral fractures included were periprosthetic or peri-implant fractures