Demographic and clinical characteristics of the study sample.

|  | **OFI (N=512)** | **No OFI (N=7797)** | **Overall (N=8309)** |
| --- | --- | --- | --- |
| **Age** |  |  |  |
| Mean (SD) | 49 (22) | 45 (21) | 45 (21) |
| Median [Min, Max] | 49 [15, 97] | 42 [15, 100] | 43 [15, 100] |
| **Gender** |  |  |  |
| Female | 143 (28%) | 2411 (31%) | 2554 (31%) |
| Male | 369 (72%) | 5386 (69%) | 5755 (69%) |
| **Dead at 30 days** |  |  |  |
| Yes | 41 (8%) | 686 (9%) | 727 (9%) |
| No | 469 (92%) | 7102 (91%) | 7571 (91%) |
| Missing | 2 (<1%) | 9 (<1%) | 11 (<1%) |
| **Highest level of care** |  |  |  |
| Emergency department | 22 (4%) | 1478 (19%) | 1500 (18%) |
| General ward | 123 (24%) | 2955 (38%) | 3078 (37%) |
| Surgical ward | 146 (29%) | 1449 (19%) | 1595 (19%) |
| Specialist ward/Intermediate ward | 50 (10%) | 343 (4%) | 393 (5%) |
| Intensive care unit | 171 (33%) | 1572 (20%) | 1743 (21%) |
| **Injury severity score** |  |  |  |
| Mean (SD) | 18 (11) | 12 (13) | 12 (13) |
| Median [Min, Max] | 17 [0, 75] | 9 [0, 75] | 9 [0, 75] |
| Missing | 0 (0%) | 11 (<1%) | 11 (<1%) |
| **Respiratory rate** |  |  |  |
| Mean (SD) | 19 (5) | 18 (5) | 18 (5) |
| Median [Min, Max] | 18 [9, 40] | 18 [0, 60] | 18 [0, 60] |
| Missing | 107 (21%) | 1537 (20%) | 1644 (20%) |
| **ED GCS** |  |  |  |
| Mean (SD) | 14 (3) | 14 (2) | 14 (2) |
| Median [Min, Max] | 15 [3, 15] | 15 [3, 15] | 15 [3, 15] |
| Missing | 50 (10%) | 816 (10%) | 866 (10%) |
| **ED Systolic Blood Pressure** |  |  |  |
| Mean (SD) | 134 (31) | 133 (33) | 133 (33) |
| Median [Min, Max] | 135 [0, 237] | 135 [0, 285] | 135 [0, 285] |
| Missing | 15 (3%) | 155 (2%) | 170 (2%) |
| **Clinical cohort** |  |  |  |
| Blunt multisystem with TBI | 19 (4%) | 205 (3%) | 224 (3%) |
| Blunt multisystem without TBI | 116 (23%) | 592 (8%) | 708 (9%) |
| Isolated severe TBI | 18 (4%) | 229 (3%) | 247 (3%) |
| Other cohort | 329 (64%) | 6378 (82%) | 6707 (81%) |
| Severe penetrating | 30 (6%) | 393 (5%) | 423 (5%) |
| OFI = Opportunity for Improvement; ED = Emergency Department; GCS = Glascow Coma Scale. | | | |