Table 3: Sample characteristics

|  | **No opportunity for improvement** | **Opportunity for improvement** | **Overall** |
| --- | --- | --- | --- |
|  | N=4882 | N=300 | N=5182 |
| **Age (Years)** |  |  |  |
| Mean (SD) | 44.8 (21.1) | 50.0 (21.8) | 45.1 (21.1) |
| Median [Min, Max] | 42.0 [15.0, 100] | 49.5 [15.0, 97.0] | 43.0 [15.0, 100] |
| **Sex** |  |  |  |
| Male | 3309 (67.8) | 211 (70.3) | 3520(67.9) |
| Female | 1573 (32.2) | 89 (29.7) | 1662 (32.1) |
|  |  |  |  |
| **Survival after 30 days** |  |  |  |
| Alive | 4694 (96.1) | 285 (95.0) | 4979 (96.1) |
| Dead | 188 (3.9) | 15 (5.0) | 203 (3.9) |
| **Highest hospital care level** |  |  |  |
| Emergency Department | 1116 (22.9) | 13 (4.3) | 1129 (21.8) |
| General Ward | 1980 (40.6) | 67 (22.3) | 2047 (39.5) |
| Surgical Ward | 867 (17.8) | 92 (30.7) | 959 (18.5) |
| High Dependency Unit | 184 (3.8) | 28 (9.3) | 212 (4.1) |
| Critical Care Unit | 735 (15.1) | 100 (33.3) | 835 (16.1) |
| **Intubation** |  |  |  |
| None | 4459 (91.3) | 247 (82.3) | 4706 (90.8) |
| Pre-hospital | 151 (3.1) | 12 (4.0) | 163 (3.1) |
| Emergency department | 272 (5.6) | 41 (13.7) | 313 (6.0) |
| **Injury severity score** |  |  |  |
| Mean (SD) | 9.03 (9.78) | 17.3 (10.3) | 9.52 (10.0) |
| Median [Min, Max] | 5.00 [0, 75.0] | 17.0 [0, 59.0] | 6.00 [0, 75.0] |
|  |  |  |  |
| **Respiratory rate (Breaths/min)** |  |  |  |
| 10-29 | 4504 (92.3) | 267 (89.0) | 4771 (92.1) |
| >29 | 152 (3.1) | 19 (6.3) | 171 (3.3) |
| 6-9 | 41 (0.8) | 0 (0) | 41 (0.8) |
| 1-5 | 15 (0.3) | 1 (0.3) | 16 (0.3) |
| 0 | 23 (0.5) | 0 (0) | 23 (0.4) |
| Missing | 147 (3.0) | 13 (4.3) | 160 (3.1) |
| **Systolic blood pressure (mmHg)** |  |  |  |
| >89 | 4766 (97.6) | 284 (94.7) | 5050 (97.5) |
| 76-89 | 63 (1.3) | 9 (3.0) | 72 (1.4) |
| 50-75 | 29 (0.6) | 7 (2.3) | 36 (0.7) |
| 1-49 | 1 (0.0) | 0 (0) | 1 (0.0) |
| 0 | 11 (0.2) | 0 (0) | 11 (0.2) |
| Missing | 12 (0.2) | 0 (0) | 12 (0.2) |
| **Glasgow Coma Scale** |  |  |  |
| 13-15 | 4304 (88.2) | 250 (83.3) | 4554 (87.9) |
| 9-12 | 195 (4.0) | 20 (6.7) | 215 (4.1) |
| 3-8 | 226 (4.6) | 19 (6.3) | 245 (4.7) |
| Missing | 157 (3.2) | 11 (3.7) | 168 (3.2) |
|  |  |  |  |
| **Working hours** |  |  |  |
| Yes | 2002 (41.0) | 120 (40.0) | 2122 (40.9) |
| No | 2880 (59.0) | 180 (60.0) | 3060 (59.1) |
|  |  |  |  |
| **Weekend** |  |  |  |
| Yes | 1577 (32.3) | 94 (31.3) | 1671 (32.2) |
| No | 3305 (67.7) | 206 (68.7) | 3511 (67.8) |
|  |  |  |  |
|  |  |  |  |
| **Time to first CT (minutes)** |  |  |  |
| No CT | 510 (10.4) | 24 (8.0) | 534 (10.3) |
| 0-30 | 1911 (39.1) | 95 (31.7) | 2006 (38.7) |
| 31-60 | 1087 (22.3) | 85 (28.3) | 1172 (22.6) |
| 61-90 | 524 (10.7) | 38 (12.7) | 562 (10.8) |
| >90 | 850 (17.4) | 58 (19.3) | 908 (17.5) |

*Working hours are defined as arrival at the hospital between 8.00 a.m. and 5 p.m. Weekend is defined as arrival at the hospital on Saturday or Sunday. Values in parentheses are percentages unless indicated otherwise.*