Table 1: 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 (94.0) | 211 (6.0) | 3520 |
| Female | 1573 (94.6) | 89 (5.4) | 1662 |
|  |  |  |  |
| **Survival after 30 days** |  |  |  |
| Alive | 4694 (94.3) | 285 (5.7) | 4979 |
| Dead | 188 (92.6) | 15 (7.4) | 203 |
| **Highest hospital care level** |  |  |  |
| Emergency Department | 1116 (98.8) | 13 (1.2) | 1129 |
| General Ward | 1980 (96.7) | 67 (3.3) | 2047 |
| Surgical Ward | 867 (90.4) | 92 (9.6) | 959 |
| High Dependency Unit | 184 (86.8) | 28 (13.2) | 212 |
| Critical Care Unit | 735 (88.0) | 100 (12.0) | 835 |
| **Intubation** |  |  |  |
| None | 4459 (94.8) | 247 (5.2) | 4706 |
| Pre-hospital | 151 (92.6) | 12 (7.4) | 163 |
| Emergency department | 272 (86.9) | 41 (13.1) | 313 |
| **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 (94.4) | 267 (5.6) | 4771 |
| >29 | 152 (88.9) | 19 (11.1) | 171 |
| 6-9 | 41 (100) | 0 (0) | 41 |
| 1-5 | 15 (93.8) | 1 (6.3) | 16 |
| 0 | 23 (100) | 0 (0) | 23 |
| Missing | 147 (91.9) | 13 (8.1) | 160 |
| **Systolic blood pressure (mmHg)** |  |  |  |
| >89 | 4766 (94.4) | 284 (5.6) | 5050 |
| 76-89 | 63 (87.5) | 9 (12.5) | 72 |
| 50-75 | 29 (80.6) | 7 (19.4) | 36 |
| 1-49 | 1 (100) | 0 (0) | 1 |
| 0 | 11 (100) | 0 (0) | 11 |
| Missing | 12 (100) | 0 (0) | 12 |
| **Glasgow Coma Scale** |  |  |  |
| 13-15 | 4304 (94.5) | 250 (5.5) | 4554 |
| 9-12 | 195 (90.7) | 20 (9.3) | 215 |
| 3-8 | 226 (92.2) | 19 (7.8) | 245 |
| Missing | 157 (93.5) | 11 (6.5) | 168 |
|  |  |  |  |
| **Working hours** |  |  |  |
| Yes | 2002 (94.3) | 120 (5.7) | 2122 |
| No | 2880 (94.1) | 180 (5.9) | 3060 |
|  |  |  |  |
| **Weekend** |  |  |  |
| Yes | 1577 (94.4) | 94 (5.6) | 1671 |
| No | 3305 (94.1) | 206 (5.9) | 3511 |
|  |  |  |  |
|  |  |  |  |
| **Time to first CT (minutes)** |  |  |  |
| No CT | 510 (95.5) | 24 (4.5) | 534 |
| 0-30 | 1911 (95.3) | 95 (4.7) | 2006 |
| 31-60 | 1087 (92.7) | 85 (6.3) | 1172 |
| 61-90 | 524 (93.2) | 38 (6.8) | 562 |
| >90 | 850 (93.6) | 58 (6.4) | 908 |

*Values in parentheses are percentages unless indicated otherwise.*