Baseline characteristics of eICU study population stratified by Trauma-related diagnoses

|  |  | Trauma-related cohorts | | | |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Overall | non-trauma | non-TBI trauma | non-severe TBI | severe TBI | p |
| n | 158,298 | 151,686 | 2,451 | 3,073 | 1,088 |  |
| Age (years) (median [IQR]) | 65.00 [53.00, 76.00] | 65.00 [53.00, 76.00] | 56.00 [38.00, 72.00] | 69.00 [53.00, 82.00] | 55.00 [34.00, 74.00] | <0.001 |
| Sex (%) |  |  |  |  |  | <0.001 |
| Female | 72863 (46.0) | 70343 (46.4) | 860 (35.1) | 1317 ( 42.9) | 343 ( 31.5) |  |
| Male | 85295 (53.9) | 81216 (53.5) | 1589 (64.8) | 1753 ( 57.0) | 737 ( 67.7) |  |
| Unknown | 140 ( 0.1) | 127 ( 0.1) | 2 ( 0.1) | 3 ( 0.1) | 8 ( 0.7) |  |
| Hospital stay (days) (median [IQR]) | 5.14 [2.78, 9.15] | 5.13 [2.77, 9.10] | 7.10 [4.12, 12.27] | 4.62 [2.60, 7.98] | 7.30 [2.42, 16.84] | <0.001 |
| ICU stay (days) (median [IQR]) | 1.86 [1.00, 3.62] | 1.85 [0.99, 3.57] | 2.45 [1.20, 5.08] | 1.76 [0.93, 3.41] | 3.98 [1.62, 10.58] | <0.001 |
| Hospital Mortality = 1 (%) | 14311 ( 9.0) | 13661 ( 9.0) | 149 ( 6.1) | 128 ( 4.2) | 373 ( 34.3) | <0.001 |
| ICU Mortality = 1 (%) | 10669 ( 6.7) | 10182 ( 6.7) | 127 ( 5.2) | 73 ( 2.4) | 287 ( 26.4) | <0.001 |
| 30-day Mortality = 1 (%) | 13873 ( 8.8) | 13238 ( 8.7) | 141 ( 5.8) | 127 ( 4.1) | 367 ( 33.7) | <0.001 |
| TBI = 1 (%) | 4161 ( 2.6) | 0 ( 0.0) | 0 ( 0.0) | 3073 (100.0) | 1088 (100.0) | <0.001 |
| Consecutive days with ≥6h IMV (median [IQR]) | 0.00 [0.00, 0.00] | 0.00 [0.00, 0.00] | 0.00 [0.00, 3.00] | 0.00 [0.00, 0.00] | 2.00 [0.00, 8.00] | <0.001 |
| ≥14 consecutive days of IMV = 1 (%) | 3485 ( 2.2) | 3129 ( 2.1) | 150 ( 6.1) | 59 ( 1.9) | 147 ( 13.5) | <0.001 |
| 96h of IMV + Traq = 1 (%) | 763 ( 0.5) | 685 ( 0.5) | 30 ( 1.2) | 10 ( 0.3) | 38 ( 3.5) | <0.001 |
| PMV = 1 (%) | 3780 ( 2.4) | 3409 ( 2.2) | 156 ( 6.4) | 61 ( 2.0) | 154 ( 14.2) | <0.001 |
| APS score (median [IQR]) | 38.00 [27.00, 53.00] | 38.00 [27.00, 53.00] | 35.00 [25.00, 50.00] | 30.00 [22.00, 39.00] | 68.00 [49.00, 85.00] | <0.001 |
| Charlson score (median [IQR]) | 3.00 [2.00, 5.00] | 4.00 [2.00, 5.00] | 2.00 [0.00, 4.00] | 3.00 [1.00, 5.00] | 1.00 [0.00, 4.00] | <0.001 |