Baseline characteristics of MIMIC-IV study population stratified by 1-year Mortality

|  |  | 1-year Mortality | |  |
| --- | --- | --- | --- | --- |
| Variable | Overall | Alive | Expired | p |
| n | 50,685 | 38,270 | 12,415 |  |
| Age (years) (median [IQR]) | 65.00 [53.00, 77.00] | 63.00 [51.00, 74.00] | 73.00 [61.00, 83.00] | <0.001 |
| Sex (male) = M (%) | 28306 (55.8) | 21645 (56.6) | 6661 (53.7) | <0.001 |
| Hospital stay (days) (median [IQR]) | 6.49 [3.83, 11.00] | 6.22 [3.86, 10.22] | 7.41 [3.73, 13.82] | <0.001 |
| ICU stay (days) (median [IQR]) | 1.99 [1.12, 3.97] | 1.86 [1.10, 3.45] | 2.69 [1.30, 5.81] | <0.001 |
| Hospital Mortality = 1 (%) | 5130 (10.1) | 0 ( 0.0) | 5130 (41.3) | <0.001 |
| ICU Mortality = 1 (%) | 4108 ( 8.1) | 0 ( 0.0) | 4108 (33.1) | <0.001 |
| 30-day Mortality = 1 (%) | 6491 (12.8) | 0 ( 0.0) | 6491 (52.3) | <0.001 |
| TBI = 1 (%) | 2777 ( 5.5) | 2079 ( 5.4) | 698 ( 5.6) | 0.433 |
| Trauma-related cohort (%) |  |  |  | <0.001 |
| non-trauma | 44738 (88.3) | 33791 (88.3) | 10947 (88.2) |  |
| non-TBI trauma | 3170 ( 6.3) | 2400 ( 6.3) | 770 ( 6.2) |  |
| non-severe TBI | 2127 ( 4.2) | 1763 ( 4.6) | 364 ( 2.9) |  |
| severe TBI | 650 ( 1.3) | 316 ( 0.8) | 334 ( 2.7) |  |
| Consecutive days with ≥6h IMV (median [IQR]) | 0.00 [0.00, 2.00] | 0.00 [0.00, 2.00] | 0.00 [0.00, 3.00] | <0.001 |
| ≥14 consecutive days of IMV = 1 (%) | 899 ( 1.8) | 457 ( 1.2) | 442 ( 3.6) | <0.001 |
| 96h of IMV + Traq = 1 (%) | 397 ( 0.8) | 236 ( 0.6) | 161 ( 1.3) | <0.001 |
| PMV = 1 (%) | 1065 ( 2.1) | 567 ( 1.5) | 498 ( 4.0) | <0.001 |
| APS score (median [IQR]) | 37.00 [28.00, 50.00] | 34.00 [26.00, 45.00] | 50.00 [38.00, 67.00] | <0.001 |
| Charlson score (median [IQR]) | 4.00 [2.00, 7.00] | 4.00 [2.00, 6.00] | 7.00 [5.00, 9.00] | <0.001 |