Baseline characteristics of MIMIC-IV study population stratified by PMV

|  |  | PMV | |  |
| --- | --- | --- | --- | --- |
| Variable | Overall | No | Yes | p |
| n | 50,685 | 49,620 | 1,065 |  |
| Age (years) (median [IQR]) | 65.00 [53.00, 77.00] | 65.00 [53.00, 77.00] | 64.00 [51.00, 74.00] | <0.001 |
| Sex (male) = M (%) | 28306 (55.8) | 27662 (55.7) | 644 (60.5) | 0.002 |
| Hospital stay (days) (median [IQR]) | 6.49 [3.83, 11.00] | 6.32 [3.78, 10.65] | 26.65 [19.62, 37.55] | <0.001 |
| ICU stay (days) (median [IQR]) | 1.99 [1.12, 3.97] | 1.95 [1.11, 3.77] | 21.78 [16.60, 30.15] | <0.001 |
| Hospital Mortality = 1 (%) | 5130 (10.1) | 4865 ( 9.8) | 265 (24.9) | <0.001 |
| ICU Mortality = 1 (%) | 4108 ( 8.1) | 3878 ( 7.8) | 230 (21.6) | <0.001 |
| 30-day Mortality = 1 (%) | 6491 (12.8) | 6295 (12.7) | 196 (18.4) | <0.001 |
| 1-year Mortality = 1 (%) | 12415 (24.5) | 11917 (24.0) | 498 (46.8) | <0.001 |
| TBI = 1 (%) | 2777 ( 5.5) | 2655 ( 5.4) | 122 (11.5) | <0.001 |
| Trauma-related cohort (%) |  |  |  | <0.001 |
| non-trauma | 44738 (88.3) | 43901 (88.5) | 837 (78.6) |  |
| non-TBI trauma | 3170 ( 6.3) | 3064 ( 6.2) | 106 (10.0) |  |
| non-severe TBI | 2127 ( 4.2) | 2090 ( 4.2) | 37 ( 3.5) |  |
| severe TBI | 650 ( 1.3) | 565 ( 1.1) | 85 ( 8.0) |  |
| Consecutive days with ≥6h IMV (median [IQR]) | 0.00 [0.00, 2.00] | 0.00 [0.00, 2.00] | 17.00 [14.00, 22.00] | <0.001 |
| ≥14 consecutive days of IMV = 1 (%) | 899 ( 1.8) | 0 ( 0.0) | 899 (84.4) | <0.001 |
| 96h of IMV + Traq = 1 (%) | 397 ( 0.8) | 0 ( 0.0) | 397 (37.3) | <0.001 |
| APS score (median [IQR]) | 37.00 [28.00, 50.00] | 37.00 [28.00, 50.00] | 55.00 [40.00, 72.00] | <0.001 |
| Charlson score (median [IQR]) | 4.00 [2.00, 7.00] | 4.00 [2.00, 7.00] | 4.00 [3.00, 6.00] | 0.937 |