|  | eICU (N=40074) | MIMIC (N=23651) | Overall (N=63725) |
| --- | --- | --- | --- |
| **In-hospital Mortality** |  |  |  |
| Died | 6,462 (16.1%) | 9,751 (41.2%) | 16,213 (25.4%) |
| Survived | 33,612 (83.9%) | 13,900 (58.8%) | 47,512 (74.6%) |
| **Mechanic Ventilation** |  |  |  |
| Did not receive | 23,868 (59.6%) | 11,610 (49.1%) | 35,478 (55.7%) |
| Received | 16,206 (40.4%) | 12,041 (50.9%) | 28,247 (44.3%) |
| **Renal Replacement Therapy** |  |  |  |
| Did not receive | 36,680 (91.5%) | 21,660 (91.6%) | 58,340 (91.5%) |
| Received | 3,394 (8.5%) | 1,991 (8.4%) | 5,385 (8.5%) |
| **Vasopressor(s)** |  |  |  |
| Did not receive | 22,949 (57.3%) | 11,592 (49.0%) | 34,541 (54.2%) |
| Received | 17,125 (42.7%) | 12,059 (51.0%) | 29,184 (45.8%) |
| **Age by group (years)** |  |  |  |
| 18 - 44 | 4,581 (11.4%) | 2,666 (11.3%) | 7,247 (11.4%) |
| 45 - 64 | 13,076 (32.6%) | 7,977 (33.7%) | 21,053 (33.0%) |
| 65 - 74 | 9,270 (23.1%) | 5,469 (23.1%) | 14,739 (23.1%) |
| 75 - 84 | 8,153 (20.3%) | 4,860 (20.5%) | 13,013 (20.4%) |
| 85 and higher | 4,994 (12.5%) | 2,679 (11.3%) | 7,673 (12.0%) |
| **Age overall (years)** |  |  |  |
| Mean (SD) | 65.4 (16.6) | 65.1 (16.3) | 65.3 (16.5) |
| Median [Min, Max] | 67.0 [18.0, 91.0] | 67.0 [18.0, 91.0] | 67.0 [18.0, 91.0] |
| **Sex** |  |  |  |
| Female | 19,155 (47.8%) | 9,985 (42.2%) | 29,140 (45.7%) |
| Male | 20,919 (52.2%) | 13,666 (57.8%) | 34,585 (54.3%) |
| **Race** |  |  |  |
| Non-White or Unknown | 9,367 (23.4%) | 7,742 (32.7%) | 17,109 (26.8%) |
| White | 30,707 (76.6%) | 15,909 (67.3%) | 46,616 (73.2%) |
| **SOFA** |  |  |  |
| 0 - 3 | 16,835 (42.0%) | 5,385 (22.8%) | 22,220 (34.9%) |
| 4 - 6 | 13,778 (34.4%) | 8,657 (36.6%) | 22,435 (35.2%) |
| 7 - 10 | 7,341 (18.3%) | 6,095 (25.8%) | 13,436 (21.1%) |
| 11 and above | 2,120 (5.3%) | 3,514 (14.9%) | 5,634 (8.8%) |
| **SOFA overall** |  |  |  |
| Mean (SD) | 4.61 (3.12) | 6.45 (3.72) | 5.29 (3.47) |
| Median [Min, Max] | 4.00 [0, 21.0] | 6.00 [0, 23.0] | 5.00 [0, 23.0] |
| **Charlson index** |  |  |  |
| 0 - 3 | 15,972 (39.9%) | 5,171 (21.9%) | 21,143 (33.2%) |
| 4 - 6 | 15,356 (38.3%) | 9,708 (41.0%) | 25,064 (39.3%) |
| 7 - 10 | 7,421 (18.5%) | 7,394 (31.3%) | 14,815 (23.2%) |
| 11 and above | 1,325 (3.3%) | 1,378 (5.8%) | 2,703 (4.2%) |
| **Charlson index overall** |  |  |  |
| Mean (SD) | 4.43 (2.92) | 5.73 (2.94) | 4.91 (2.99) |
| Median [Min, Max] | 4.00 [0, 19.0] | 6.00 [0, 19.0] | 5.00 [0, 19.0] |
| **Length of stay (days)** |  |  |  |
| Mean (SD) | 9.17 (11.9) | 11.9 (12.3) | 10.2 (12.2) |
| Median [Min, Max] | 6.44 [-0.942, 754] | 8.00 [0, 249] | 7.00 [-0.942, 754] |
| **Active Cancer** |  |  |  |
| No | 37,502 (93.6%) | 18,810 (79.5%) | 56,312 (88.4%) |
| Yes | 2,572 (6.4%) | 4,841 (20.5%) | 7,413 (11.6%) |
| **Breast** |  |  |  |
| 0 | 39,966 (99.7%) | 23,473 (99.2%) | 63,439 (99.6%) |
| Yes | 108 (0.3%) | 178 (0.8%) | 286 (0.4%) |
| **Prostate** |  |  |  |
| 0 | 39,915 (99.6%) | 23,304 (98.5%) | 63,219 (99.2%) |
| Yes | 159 (0.4%) | 347 (1.5%) | 506 (0.8%) |
| **Lung (including bronchus)** |  |  |  |
| 0 | 39,497 (98.6%) | 22,919 (96.9%) | 62,416 (97.9%) |
| Yes | 577 (1.4%) | 732 (3.1%) | 1,309 (2.1%) |
| **Colon and Rectal (combined)** |  |  |  |
| 0 | 39,814 (99.4%) | 23,253 (98.3%) | 63,067 (99.0%) |
| Yes | 260 (0.6%) | 398 (1.7%) | 658 (1.0%) |
| **Melanoma** |  |  |  |
| 0 | 40,043 (99.9%) | 23,587 (99.7%) | 63,630 (99.9%) |
| Yes | 31 (0.1%) | 64 (0.3%) | 95 (0.1%) |
| **Bladder** |  |  |  |
| 0 | 39,988 (99.8%) | 23,471 (99.2%) | 63,459 (99.6%) |
| Yes | 86 (0.2%) | 180 (0.8%) | 266 (0.4%) |
| **Kidney** |  |  |  |
| 0 | 40,009 (99.8%) | 23,443 (99.1%) | 63,452 (99.6%) |
| Yes | 65 (0.2%) | 208 (0.9%) | 273 (0.4%) |
| **NHL** |  |  |  |
| 0 | 39,903 (99.6%) | 23,232 (98.2%) | 63,135 (99.1%) |
| Yes | 171 (0.4%) | 419 (1.8%) | 590 (0.9%) |
| **Endometrial** |  |  |  |
| 0 | 40,006 (99.8%) | 23,565 (99.6%) | 63,571 (99.8%) |
| Yes | 68 (0.2%) | 86 (0.4%) | 154 (0.2%) |
| **Leukemia** |  |  |  |
| 0 | 39,794 (99.3%) | 23,236 (98.2%) | 63,030 (98.9%) |
| Yes | 280 (0.7%) | 415 (1.8%) | 695 (1.1%) |
| **Pancreatic** |  |  |  |
| 0 | 39,999 (99.8%) | 23,333 (98.7%) | 63,332 (99.4%) |
| Yes | 75 (0.2%) | 318 (1.3%) | 393 (0.6%) |
| **Thyroid** |  |  |  |
| 0 | 40,064 (100.0%) | 23,612 (99.8%) | 63,676 (99.9%) |
| Yes | 10 (0.0%) | 39 (0.2%) | 49 (0.1%) |
| **Liver and intrahepatic BD** |  |  |  |
| 0 | 40,035 (99.9%) | 23,183 (98.0%) | 63,218 (99.2%) |
| Yes | 39 (0.1%) | 468 (2.0%) | 507 (0.8%) |
| **Other** |  |  |  |
| 0 | 39,581 (98.8%) | 22,991 (97.2%) | 62,572 (98.2%) |
| Yes | 493 (1.2%) | 660 (2.8%) | 1,153 (1.8%) |
| **Metastasized** |  |  |  |
| 0 | 39,406 (98.3%) | 21,193 (89.6%) | 60,599 (95.1%) |
| Yes | 668 (1.7%) | 2,458 (10.4%) | 3,126 (4.9%) |