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| **Supplemental Table 6. Baseline characteristics for patients on invasive mechanical ventilation** |
|   | all adults | IMV |
| N | 20608 | 4749 |
| Male sex | 11187 (54.3%) | 2962 (62.4%) |
|  *not reported* | 253 (1.2%) | 47 (1%) |
| Race |   |   |
|  White | 10391 (50.4%) | 2383 (50.2%) |
|  African-American | 5330 (25.9%) | 1199 (25.2%) |
|  Native American | 144 (0.7%) | 44 (0.9%) |
|  Asian American | 397 (1.9%) | 105 (2.2%) |
|  East Asian | 247 (1.2%) | 65 (1.4%) |
|  West Asian | 293 (1.4%) | 101 (2.1%) |
|  South Asian | 911 (4.4%) | 70 (1.5%) |
|  Southeast Asian | 125 (0.6%) | 37 (0.8%) |
|  Other | 2641 (12.8%) | 712 (15%) |
|  *Not reported* | 129 (0.6%) | 33 (0.7%) |
| Hispanic ethnicity | 1160 (5.6%) | 343 (7.2%) |
|  *not reported* | 511 (2.5%) | 4 (0.1%) |
| BMI (median, IQR) | 29 (25.1-34.5) | 30.1 (26.1-35.8) |
|  *not reported* | 4965 (24.1%) | 780 (16.4%) |
| Documented social history |   |   |
|  current smoker | 677 (3.3%) | 172 (3.6%) |
|  former smoker | 2750 (13.3%) | 848 (17.9%) |
|  alcohol use disorder | 446 (2.2%) | 155 (3.3%) |
|  substance use disorder | 357 (1.7%) | 110 (2.3%) |
|  *not reported* | 8363 (40.6%) | 1266 (26.7%) |
| Comorbid conditions (5 most frequent) |   |   |
|  hypertension | 9893 (48%) | 2688 (56.6%) |
|  diabetes | 6345 (30.8%) | 1829 (38.5%) |
|  obesity | 3623 (17.6%) | 1056 (22.2%) |
|  chronic kidney disease | 2467 (12%) | 661 (13.9%) |
|  coronary artery disease | 2428 (11.8%) | 683 (14.4%) |
|  no comorbidities | 2645 (12.8%) | 468 (9.9%) |
|  *not reported* | 3077 (14.9%) | 385 (8.1%) |
| SOFA (median, IQR) | 2 (0-5) | 5 (3-9) |
|  *not reported* | 14038 (68.1%) | 2580 (54.3%) |
| Use of Steroids | 2818 (13.7%) | 952 (20.1) |
| Hospital |   |   |
|  length of stay  (median days, IQR) | 7 (4-14) | 17 (9.6-28) |
|  not reported | 44 (0.2%) | 4 (0.1%) |
|  discharge disposition |   |   |
|  *home* | 10264 (49.8%) | 1078 (22.7%) |
|  *skilled nursing facility* | 835 (4.1%) | 361 (7.6%) |
|  *assisted living* | 1197 (5.8%) | 356 (7.5%) |
|  *other* | 1156 (5.6%) | 330 (6.9%) |
|  *disposition not reported* | 3250 (15.8%) | 258 (5.4%) |
|  *deceased* | 3906 (19%) | 2366 (49.8%) |
| ICU |   |   |
|  admission | 8745 (42.4%) | 4570 (96.2%) |
|  *not reported* | 3567 (17.3%) | 96 (2%) |
|  length of stay  (median days, IQR) | 7 (3-15) | 12 (6-20.6) |
|  *not reported* | 274 (3.1%) | 96 (2.1%) |
|  mortality | 3091 (35.3%) | 2332 (49.1%) |
|  *not reported* | 0 (0%) | 0 (0%) |
|  *IVM* | 4810 (55%) | 4570 (100%) |
|  *Days on IVM (median, IQR)* | 8.8 (3.3-17) | 9.4 (4.3-17.7) |