|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Encounter characteristics | Overall Cases *n* = 691,118 | Yes, Invasive Mechanical Ventilation*n* = 86,852 12.6% | No, Invasive Mechanical Ventilation*n* = 604,26687.4% | *p* |
| Sex assigned at birth, *n (%)* Female Male | 310,536 (44.9)380,556 (55.1) | 37,559 (43.2)49,283 (56.7) | 272,977 (45.1)331,273 (54.8) | <0.001 |
| Race categories, *n (%)* American Indian or Alaska Native Asian Asian/Indian/Pacific Islander Black/African American Hispanic or Latino Native Hawaiian / Pacific Islander Other/Mixed Unspecified White Not Collected | 6,057 (0.9)19,090 (2.8)5,535 (0.8)115,745 (16.8)86,613 (12.2)2,747 (0.4)54,315 (7.9)28,440 (4.1)307,035 (44.4)67,541 (9.8) | 950 (1.1)2,258 (2.6)723 (0.8)15,648 (18.0)10,221 (11.8)367 (0.4)6,687 (7.7)4,155 (4.8)36,894 (42.5)8,949 (10.3) | 5,107 (0.9)16,832 (2.8)4,812 (0.8)100,097 (16.6)74,392 (12.3)2,380 (0.4)47,628 (7.9)24,285 (4.0)270,141 (44.7)58,592 (9.7) | <0.001 |
| Hispanic or Latino, *n (%)* | 49,995 (7.2) | 5,675 (6.5) | 44,280 (7.3) | <0.001 |
| Pediatric age group, *n (%)* Infant: 30 days to < 1 year Child: 1 year to < 12 years Adolescent: 12 years to < 18 years | 149,310 (21.6)353,870 (51.2)187,938 (27.2) | 27,913 (32.1)40,345 (46.5)18,594 (21.4) | 121,397 (20.1)313,525 (51.9)169,344 (28.0) | <0.001 |
| Institution region, *n (%)* North American, non-US (*n* = 4) Midwest (*n* = 33) Northeast (*n* = 15) South (*n* = 42) West (*n* = 48) | 12,358 (1.8)192,377 (27.8)57,511 (8.3)214,549 (31.0)214,323 (31.0) | 2,377 (2.7)24,234 (27.9)6,715 (7.7)30,084 (34.6)23,442 (27.0) | 9,981 (1.7)168,143 (27.8)50,796 (8.4)184,465 (30.5)190,881 (31.6) | <0.001 |
| Institution size (by tertile), *n (%)* Small (*n* = 48 centers) Medium (*n* = 47 units) Large (*n* = 47 centers) | 59,026 (8.5)184,125 (26.6)447,967 (64.8) | 5,746 (6.6)21,083 (24.3)60,023 (69.1) | 53,280 (8.8)163,042 (27.0)387,944 (64.2) | <0.001 |

**Supplemental Table 2.** General demographic data with comparison by cohorts defined by invasive mechanical ventilation during PICU admission. [US: United States]