**Supplement Table 1. Characteristics of study patients classified by medical center.**

| **Variables** |  **Academic(n=16,682)** | **Community 1 (n=7,478)** | **Community 2 (n=4,752)** | **P value** |
| --- | --- | --- | --- | --- |
| **Demographics** |  |  |  |  |
| Gender Male | 6,447 (38.6) | 2,703 (36.1) | 1,796 (37.8) | 0.001 |
| Age (years) | 51.6 (16.8) | 59.3 (18.0) | 56.6 (17.9) | <0.001 |
| BMI (kg/m2) | 27.8 (6.9) | 28.5 (7.2) | 28.0 (6.7) | <0.001 |
| **Surgical procedure** |  |  |  |  |
| Surgery duration (min) | 213.5 (136.6) | 117.4 (78.9) | 121.2 (85.4) | <0.001 |
| Surgical service  |  |  |  | <0.001 |
| Cardiothoracic | 1,907 (12.8) | 424 (5.7) | 285 (6.0) |  |
| ENT, Maxillo-Facial/Oral | 371 (2.5) | 42 (0.6) | 74 (1.6) |  |
|  General | 3,341 (22.5) | 2,817 (37.7) | 865 (18.2) |  |
| Minimally invasive (Gastroenterology, Cardiology, Interventional Radiology) | 886 (6.0) | 615 (8.2) | 869 (18.3) |  |
| Neurosurgery | 2,068 (13.9) | 368 (4.9) | 196 (4.1) |  |
| Obstetrics and Gynecology | 1,096 (7.4) | 288 (3.9) | 193 (4.1) |  |
|  Orthopedics | 2,727 (18.3) | 2,419 (32.3) | 1,888 (39.7) |  |
|  Urology | 989 (6.6) | 360 (4.8) | 173 (3.6) |  |
|  Vascular | 357 (2.4) | 0 (0.0) | 118 (2.5) |  |
|  Other | 1,139 (7.7) | 145 (1.9) | 91 (1.9) |  |
| **Comorbidities** |  |  |  |  |
| Smoker | 2,122 (12.7) | 739 (9.9) | 586 (12.3) | <0.001 |
| COPD | 1,183 (7.1) | 541 (7.2) | 425 (8.9) | <0.001 |
| Asthma | 2,025 (12.1) | 906 (12.1) | 537 (11.3) | 0.27 |
| Other respiratory disease | 1,698 (10.2) | 843 (11.3) | 663 (14.0) | <0.001 |
| Cardiac disease | 3,332 (20.0) | 1,208 (16.2) | 751 (15.8) | <0.001 |
| Neurological disease | 4,238 (25.4) | 1,305 (17.5) | 824 (17.3) | <0.001 |
| Renal disease | 2,308 (13.8) | 834 (11.2) | 563 (11.8) | <0.001 |
| Liver disease | 1,509 (9.0) | 279 (3.7) | 243 (5.1) | <0.001 |
| Obesity (BMI>35 kg/m2) | 2,086 (12.5) | 1,053 (14.1) | 580 (12.2) | 0.001 |
| Diabetes | 2,383 (14.3) | 1,041 (13.9) | 673 (14.2) | 0.76 |
| Other endocrine disease | 4,485 (26.9) | 1,819 (24.3) | 1,081 (22.7) | <0.001 |
| ASA physical status  |  |  |  | <0.001 |
|  1 | 1,021 (6.4) | 359 (5.1) | 184 (4.0) |  |
|  2 | 6,916 (43.1) | 3,029 (43.1) | 2,196 (47.3) |  |
|  3 | 6,735 (42.0) | 2,812 (40.0) | 1,865 (40.2) |  |
|  4 | 1,370 (8.5) | 836 (11.9) | 394 (8.5) |  |

(Data represent Mean (SD) or n (% of column) of selected variables as appropriate unless otherwise stated) († log-transformed for regression analysis; § The difference between the number of patients ventilated receiving postoperative ventilation and postoperative re-intubation reflects patients that were transferred ventilated from the operating room to the ICU) (ASA=American Society of Anesthesiologists; BMI=Body Mass Index; COPD=Chronic Obstructive Pulmonary Disease; ENT= Ear Nose and Throat surgery)