## Table E1: Baseline Patient Demographics and Characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Variable** | **Total** | **No Change in FS** | **Decline in FS** |
| **Patients** (%) | 129,917 | (100) | 91,801 | (70.7) | 38,116 | (29.3) |
| **Age,** median (IQR) | 63.0 | (50.0-75.0) | 60.0 | (47.0-72.0) | 68.0 | (57.0-79.0) |
| **Gender** |  |  |  |  |  |  |
|  | Female | 59,899 | (46.1%) | 41,788 | (45.5%) | 18,111 | (47.5%) |
|  | Male | 69,994 | (53.9%) | 49,996 | (54.5%) | 19,998 | (52.5%) |
| **Race** |  |  |  |  |  |  |
|  | White | 103,189 | (80.5%) | 71,808 | (79.2%) | 31,381 | (83.6%) |
|  | Black | 16,978 | (13.2%) | 12,834 | (14.2%) | 4,144 | (11.0%) |
|  | Hispanic | 1,482 | ( 1.2%) | 1,127 | ( 1.2%) | 355 | ( 0.9%) |
|  | Asian | 1,257 | ( 1.0%) | 900 | ( 1.0%) | 357 | ( 1.0%) |
|  | American Indian/Alaska Native/Australian  | 2,363 | ( 1.8%) | 1,835 | ( 2.0%) | 528 | ( 1.4%) |
|  | Other | 2,906 | ( 2.3%) | 2,130 | ( 2.4%) | 776 | ( 2.1%) |
| **Insurance** |  |  |  |  |  |  |
|  | Managed Care | 14,188 | (11.0%) | 10,694 | (11.8%) | 3,494 | ( 9.2%) |
|  | Medicare | 65,386 | (50.8%) | 42,474 | (46.8%) | 22,912 | (60.5%) |
|  | Self-Pay | 11,169 | ( 8.7%) | 8,940 | ( 9.8%) | 2,229 | ( 5.9%) |
|  | Private | 17,481 | (13.6%) | 13,067 | (14.4%) | 4,414 | (11.6%) |
|  | Medicaid | 14,732 | (11.4%) | 11,248 | (12.4%) | 3,484 | ( 9.2%) |
|  | National Health Service | 853 | ( 0.7%) | 757 | ( 0.8%) | 96 | ( 0.3%) |
|  | Government | 3,462 | ( 2.7%) | 2,580 | ( 2.8%) | 882 | ( 2.3%) |
|  | Other | 1,427 | ( 1.1%) | 1,048 | ( 1.2%) | 379 | ( 1.0%) |
| **Admission Functional Status** |  |  |  |  |  |  |
|  | Independent | 102,564 | (78.9%) | 67,771 | (73.8%) | 34,793 | (91.3%) |
|  | Partially Dependent | 20,156 | (15.5%) | 16,833 | (18.3%) | 3,323 | ( 8.7%) |
|  | Fully Dependent | 7,197 | ( 5.5%) | 7,197 | ( 7.8%) | 0 | ( 0.0%) |
| **Discharge Functional Status** |  |  |  |  |  |  |
|  | Independent | 72,227 | (55.6%) | 72,227 | (78.7%) | 0 | ( 0.0%) |
|  | Partially Dependent | 42,432 | (32.7%) | 14,830 | (16.2%) | 27,602 | (72.4%) |
|  | Fully Dependent | 15,258 | (11.7%) | 4,744 | ( 5.2%) | 10,514 | (27.6%) |
| **Functional Status Severity\*** |  |  |  |  |  |  |
|  | No change | 91,801 | (70.7%) | 91,801 | (100.0%) | 0 | ( 0.0%) |
|  | Independent --> Partially Dependent | 27,602 | (21.2%) | 0 | ( 0.0%) | 27,602 | (72.4%) |
|  | Partially Dependent --> Fully Dependent | 3,323 | ( 2.6%) | 0 | ( 0.0%) | 3,323 | ( 8.7%) |
|  | Independent --> Fully Dependent | 7,191 | ( 5.5%) | 0 | ( 0.0%) | 7,191 | (18.9%) |
| **Admit Code Status** |  |  |  |  |  |  |
|  | Full Code | 121,646 | (93.9%) | 86,688 | (94.7%) | 34,958 | (91.9%) |
|  | DNR | 5,779 | ( 4.5%) | 3,551 | ( 3.9%) | 2,228 | ( 5.9%) |
|  | Limited/Withholding Treatment | 1,383 | ( 1.1%) | 865 | ( 0.9%) | 518 | ( 1.4%) |
|  | DNR and Withholding Treatment | 751 | ( 0.6%) | 435 | ( 0.5%) | 316 | ( 0.8%) |
| **Admission Year** |  |  |  |  |  |  |
|  | 2008 | 3,754 | ( 2.9%) | 2,619 | ( 2.9%) | 1,135 | ( 3.0%) |
|  | 2009 | 5,907 | ( 4.5%) | 4,264 | ( 4.6%) | 1,643 | ( 4.3%) |
|  | 2010 | 7,881 | ( 6.1%) | 5,703 | ( 6.2%) | 2,178 | ( 5.7%) |
|  | 2011 | 9,158 | ( 7.0%) | 6,742 | ( 7.3%) | 2,416 | ( 6.3%) |
|  | 2012 | 10,832 | ( 8.3%) | 8,139 | ( 8.9%) | 2,693 | ( 7.1%) |
|  | 2013 | 19,637 | (15.1%) | 14,053 | (15.3%) | 5,584 | (14.7%) |
|  | 2014 | 23,401 | (18.0%) | 16,508 | (18.0%) | 6,893 | (18.1%) |
|  | 2015 | 28,312 | (21.8%) | 19,555 | (21.3%) | 8,757 | (23.0%) |
|  | 2016 | 21,035 | (16.2%) | 14,218 | (15.5%) | 6,817 | (17.9%) |
| **Admission Disease System** |  |  |  |  |  |  |
|  | Neurological | 17,496 | (13.5%) | 9,924 | (10.8%) | 7,572 | (19.9%) |
|  | Cardiac | 29,236 | (22.5%) | 22,438 | (24.4%) | 6,798 | (17.8%) |
|  | Pulmonary | 20,209 | (15.6%) | 14,250 | (15.5%) | 5,959 | (15.6%) |
|  | Gastrointestinal | 10,043 | ( 7.7%) | 7,753 | ( 8.4%) | 2,290 | ( 6.0%) |
|  | Renal | 3,384 | ( 2.6%) | 2,541 | ( 2.8%) | 843 | ( 2.2%) |
|  | Non-surgical Trauma | 12,762 | ( 9.8%) | 7,445 | ( 8.1%) | 5,317 | (13.9%) |
|  | Toxicology | 8,519 | ( 6.6%) | 6,927 | ( 7.5%) | 1,592 | ( 4.2%) |
|  | Vascular | 1,528 | ( 1.2%) | 1,095 | ( 1.2%) | 433 | ( 1.1%) |
|  | Septic Infection | 17,736 | (13.7%) | 12,052 | (13.1%) | 5,684 | (14.9%) |
|  | Endocrine/Metabolic | 7,735 | ( 6.0%) | 6,420 | ( 7.0%) | 1,315 | ( 3.4%) |
|  | Hematologic/Oncologic | 1,269 | ( 1.0%) | 956 | ( 1.0%) | 313 | ( 0.8%) |
| **APACHE III Score** | 46.8 |  (21.7) | 43.6 |  (20.4) | 54.4 |  (22.6) |
| **APS Score** | 35.4 |  (19.0) | 33.2 |  (17.7) | 40.6 |  (20.9) |
| **ICU LOS,** median (IQR) | 1.9 | (1.1-3.6) | 1.7 | (1.0-2.9) | 2.9 | (1.6-5.9) |
| **Hospital LOS,** median (IQR) | 5.7 | (3.1-10.4) | 4.7 | (2.7-8.2) | 9.1 | (5.2-15.8) |

Table E1: Patient demographics and characteristics
\* comparing admission functional status versus hospital discharge functional status
IQR = Interquartile Range, FS = Functional Status