Supplemental Table 2: Group Baseline Characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All Patients  (n=57312) | DEF group  (n=11002) | EPI group  (n=46310) | p-value  (between groups) |
| Age, y, median (IQR) | 67 (54,78) | 67 (56,77) | 68 (54,78) | 0.002 |
| Males – number (%) | 33331 (58.2) | 6877 (62.5) | 26454 (57.1) | <0.001 |
| White race – number (%) | 40130 (70.0) | 8309 (75.5) | 31821 (68.7) | <0.001 |
| Shockable Rhythm – number (%) | 11822 (20.6) | 9134 (83.0) | 2688 (5.8) | <0.001 |
| Monitored – number (%) | 56212 (98.1) | 10852 (98.6) | 45360 (97.9) | <0.001 |
| Location - number (%) |  |  |  | <0.001 |
| Adult CCU | 2788 (4.9) | 579 (5.3) | 2209 (4.8) |  |
| Adult ICU | 10108 (17.6) | 1485 (13.5) | 8623 (18.6) |  |
| Cardiac Cath Lab | 413 (0.7) | 145 (1.3) | 268 (0.6) |  |
| Delivery Suite | 45 (0.1) | 2 (0.0) | 43 (0.1) |  |
| Emergency Department | 6582 (11.5) | 1542 (14.0) | 5040 (10.9) |  |
| General Ward | 3135 (5.5) | 393 (3.6) | 2742 (5.9) |  |
| ICU | 21586 (37.7) | 4021 (36.5) | 17565 (37.9) |  |
| Operating Room | 1204 (2.1) | 256 (2.3) | 948 (2.0) |  |
| Recovery Room | 435 (0.8) | 107 (1.0) | 328 (0.7) |  |
| Telemetry | 6928 (12.1) | 1526 (13.9) | 5402 (11.7) |  |
| ICU - number (%) | 34935 (61.0) | 6123 (55.7) | 28812 (62.2) | <0.001 |
| AED used - number (%) | 4799 (8.9) | 1183 (10.8) | 3616 (7.8) | <0.001 |
| Illness Category – number (%) |  |  |  | <0.001 |
| Medical-Cardiac | 21453 (37.4) | 5710 (51.9) | 15743 (34.0) |  |
| Medical-Noncardiac | 22788 (39.8) | 2768 (25.2) | 20020 (43.2) |  |
| Surgical-Cardiac | 4673 (8.2) | 1372 (12.5) | 3301 (7.1) |  |
| Surgical-Noncardiac | 6047 (10.6) | 927 (8.4) | 5170 (11.2) |  |
| Non-Stroke CNS event – number (%) | 5053 (8.8) | 760 (6.9) | 4293 (9.3) | <0.001 |
| Acute Stroke – number (%) | 2349 (4.1) | 392 (3.6) | 1957 (4.2) | 0.002 |
| Arrhythmia – number (%) | 20651 (36.0) | 5000 (45.4) | 15651 (33.8) | <0.001 |
| Baseline CNS Dysfunction – number (%) | 7776 (13.6) | 1168 (10.6) | 6608 (14.3) | <0.001 |
| CHF this admission – number (%) | 11183 (19.5) | 2502 (22.7) | 8681 (18.7) | <0.001 |
| CHF prior admission – number (%) | 12344 (21.5) | 2694 (24.5) | 9650 (20.8) | <0.001 |
| Diabetes Mellitus – number (%) | 16394 (28.6) | 3230 (29.4) | 13164 (28.4) | 0.050 |
| Hepatic Insufficiency – number (%) | 4623 (8.1) | 638 (5.8) | 3985 (8.6) | <0.001 |

Supplemental Table 2: Group Baseline Characteristics (continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All Patients  (n=57312) | DEF group  (n=11002) | EPI group  (n=46310) | p-value  (between groups) |
| Hypotension – number (%) | 19970 (34.8) | 2990 (27.2) | 16980 (36.7) | <0.001 |
| Trauma – number (%) | 2720 (4.7) | 312 (2.8) | 2408 (5.2) | <0.001 |
| Metastatic Malignancy – number (%) | 6569 (11.5) | 839 (7.6) | 5730 (12.4) | <0.001 |
| Metabolic/Electrolyte Abnormality - number (%) | 11566 (20.2) | 1743 (15.8) | 9823 (21.2) | <0.001 |
| AMI this admission – number (%) | 11838 (20.7) | 3556 (32.3) | 8282 (17.9) | <0.001 |
| MI prior admission – number (%) | 10293 (18.0) | 2691 (24.5) | 7602 (16.4) | <0.001 |
| Pneumonia – number (%) | 7818 (13.6) | 1005 (9.1) | 6813 (14.7) | <0.001 |
| Renal Insufficiency – number (%) | 19411 (33.9) | 3186 (28.9) | 16225 (35.0) | <0.001 |
| Respiratory Insufficiency – number (%) | 27385 (47.8) | 4025 (36.6) | 23360 (50.5) | <0.001 |
| Sepsis – number (%) | 9665 (16.9) | 1179 (10.7) | 8486 (18.3) | <0.001 |
| Mechanical Ventilation – number (%) | 23069 (40.3) | 3799 (34.5) | 19270 (41.6) | <0.001 |
| Arterial Catheter – number (%) | 7372 (12.9) | 1520 (13.8) | 5852 (12.6) | 0.001 |
| Pacemaker – number (%) | 4410 (7.7) | 1057 (9.6) | 3353 (7.2) | <0.001 |
| Chest Tube – number (%) | 2586 (4.5) | 585 (5.3) | 2001 (4.3) | <0.001 |
| Dialysis – number (%) | 2533 (4.4) | 418 (3.8) | 2115 (4.6) | <0.001 |
| Internal Cardiac Defibrillator – number (%) | 1019 (1.8) | 258 (2.3) | 761 (1.6) | <0.001 |
| Pulmonary Artery Catheter – number (%) | 2959 (5.2) | 789 (7.2) | 2170 (4.7) | <0.001 |
| Amiodarone Infusion – number (%) | 2578 (4.5) | 905 (8.2) | 1673 (3.6) | <0.001 |
| Lidocaine Infusion – number (%) | 992 (1.7) | 425 (3.9) | 567 (1.2) | <0.001 |
| Dopamine Infusion – number (%) | 11815 (20.6) | 1835 (16.7) | 9980 (21.6) | <0.001 |
| Dobutamine Infusion – number (%) | 2598 (4.5) | 563 (5.1) | 2035 (4.4) | 0.001 |
| Epinephrine Infusion – number (%) | 2371 (4.1) | 442 (4.0) | 1929 (4.2) | 0.509 |

Supplemental Table 2: Group Baseline Characteristics (continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All Patients  (n=57312) | DEF group  (n=11002) | EPI group  (n=46310) | p-value  (between groups) |
| Nitroglycerin Infusion – number (%) | 991 (1.7) | 401 (3.6) | 590 (1.3) | <0.001 |
| Norepinephrine Infusion – number (%) | 8039 (14.0) | 997 (9.1) | 7042 (15.2) | <0.001 |
| Phenylephrine Infusion – number (%) | 2840 (5.0) | 401 (3.6) | 2439 (5.3) | <0.001 |

Abbreviations: DEF group = patient group treated with defibrillation, EPI group = patient group treated with epinephrine, IQR = inter-quartile range, AED = automatic external defibrillator, AMI = acute myocardial infarction, CCU = coronary care unit, CHF = congestive heart failure, CNS = central nervous system, ICU = intensive care unit, MI = myocardial infarction.