

Supplement 2. Baseline Characteristics by 90 Day Hospital Readmission Status*

| | <65 years | | | ≥65 years | | |
|--|-------------------------|---------------------------------|---|-------------------------|---------------------------------|---|
| | Readmitted (N=3,191) | Not Readmitted (N=28,701) | | Readmitted (N=5,728) | Not Readmitted (N=30,396) | |
| Sex, n (%) female | 1,572 (49.3) | 13,576 (47.3) | | 3,672 (64.1) | 18,888 (62.1) | ‡ |
| Race, n (%) African-American | 467 (14.6) | 2,470 (8.6) | † | 289 (5.0) | 1,165 (3.8) | ‡ |
| Age, n (%) | | | † | | | |
| <45 years | 415 (13.0) | 2,964 (10.3) | | | | |
| 45-54 years | 998 (31.3) | 9,451 (32.9) | | | | |
| 55-64 years | 1,778 (55.7) | 16,286 (56.7) | | | | |
| 65-74 years | | | | 2,290 (40.0) | 15,909 (52.3) | † |
| 75-84 years | | | | 2,560 (44.7) | 12,021 (39.5) | |
| ≥85 years | | | | 878 (15.3) | 2,466 (8.1) | |
| Insurance Type, n (%) | | | † | | | † |
| Medicaid | 447 (14.0) | 2,055 (7.2) | | 12 (0.2) | 52 (0.2) | |
| Medicare / Government | 683 (21.4) | 3,216 (11.2) | | 5,278 (92.1) | 27,068 (89.1) | |
| Private | 2,061 (64.6) | 23,430 (81.6) | | 438 (7.6) | 3,276 (10.8) | |
| Metro Area (facility level), n (%) | 3,000 (94.0) | 26,956 (93.9) | | 5,271 (92.0) | 27,886 (91.7) | |
| Fiscal Year, n (%) | | | | | | ‡ |
| FY2008 (7/1/07-6/30/08) | 658 (20.6) | 5,190 (18.1) | | 1,204 (21.0) | 5,885 (19.4) | |
| FY2009 (7/1/08-6/30/09) | 650 (20.4) | 5,725 (19.9) | | 1,224 (21.4) | 6,195 (20.4) | |
| FY2010 (7/1/09-6/30/10) | 649 (20.3) | 6,239 (21.7) | | 1,228 (21.4) | 6,635 (21.8) | |
| FY2011 (7/1/10-6/30/11) | 691 (21.7) | 6,420 (22.4) | | 1,107 (19.3) | 6,562 (21.6) | |
| FY2012 (7/1/11-3/31/12) | 543 (17.0) | 5,127 (17.9) | | 965 (16.8) | 5,119 (16.8) | |
| Volume of Cases (by facility & fiscal year), n (%) | | | † | | | ‡ |
| <100 / year | 794 (24.9) | 5,656 (19.7) | | 1,649 (28.8) | 7,372 (24.3) | |
| 100-199 / year | 797 (25.0) | 7,362 (25.7) | | 1,741 (30.4) | 9,198 (30.3) | |
| 200+ / year | 1,600 (50.1) | 15,683 (54.6) | | 2,338 (40.8) | 13,826 (45.5) | |
| Complications, n (%) | | | | | | |
| Venous Thromboembolism | 30 (0.9) | 95 (0.3) | † | 57 (1.0) | 178 (0.6) | † |
| Postoperative Myocardial Infarction | 3 (0.1) | 7 (<0.1) | | 33 (0.6) | 53 (0.2) | † |
| Prosthetic Device Complication | 43 (1.3) | 118 (0.4) | † | 139 (2.4) | 310 (1.0) | † |
| Surgical wound infection | 8 (0.3) | 55 (0.2) | | 25 (0.4) | 60 (0.2) | ‡ |
| Comorbidities, n (%) | | | | | | |
| Congestive heart failure | 108 (3.4) | 369 (1.3) | † | 471 (8.2) | 1,223 (4.0) | † |
| Cardiac arrhythmias | 267 (8.4) | 1,823 (6.4) | ‡ | 1,213 (21.2) | 4,474 (14.7) | † |
| Valvular disease | 64 (2.0) | 655 (2.3) | | 344 (6.0) | 1,594 (5.2) | ‡ |
| Pulmonary circulation disorders | 35 (1.1) | 139 (0.5) | † | 124 (2.2) | 341 (1.1) | † |
| Peripheral vascular disorders | 59 (1.8) | 233 (0.8) | † | 257 (4.5) | 908 (3.0) | † |
| Hypertension | 1,612 (50.5) | 13,521 (47.1) | ‡ | 3,525 (61.5) | 19,546 (64.3) | † |
| Paralysis | 27 (0.8) | 82 (0.3) | † | 56 (1.0) | 93 (0.3) | † |
| Other neurological disorders | 135 (4.2) | 758 (2.6) | † | 299 (5.2) | 1,031 (3.4) | † |
| Chronic pulmonary disease | 624 (19.6) | 3,686 (12.8) | † | 1,089 (19.0) | 4,181 (13.8) | † |
| Diabetes, uncomplicated | 477 (14.9) | 2,852 (9.9) | † | 1,109 (19.4) | 4,738 (15.6) | † |
| Diabetes, complicated | 70 (2.2) | 226 (0.8) | † | 128 (2.2) | 429 (1.4) | † |
| Hypothyroidism | 304 (9.5) | 2,661 (9.3) | | 1,027 (17.9) | 4,955 (16.3) | ‡ |
| Renal failure | 108 (3.4) | 420 (1.5) | † | 480 (8.4) | 1,382 (4.5) | † |
| Liver disease | 86 (2.7) | 400 (1.4) | † | 49 (0.9) | 183 (0.6) | ‡ |
| Peptic ulcer disease excluding bleeding | 11 (0.3) | 107 (0.4) | | 48 (0.8) | 175 (0.6) | ‡ |
| AIDS/HIV | 16 (0.5) | 47 (0.2) | † | 0 (0.0) | 0 (0.0) | |
| Lymphoma | 17 (0.5) | 86 (0.3) | ‡ | 47 (0.8) | 124 (0.4) | † |

| | | | | | | |
|--|--------------|---------------|---|--------------|---------------|---|
| Metastatic cancer | 36 (1.1) | 64 (0.2) | † | 52 (0.9) | 90 (0.3) | † |
| Solid tumor (without metastasis) | 16 (0.5) | 75 (0.3) | ‡ | 60 (1.0) | 204 (0.7) | ‡ |
| Rheumatoid arthritis/collagen vascular | 201 (6.3) | 979 (3.4) | † | 274 (4.8) | 1,080 (3.6) | † |
| Coagulopathy | 80 (2.5) | 410 (1.4) | † | 146 (2.5) | 621 (2.0) | |
| Obesity | 718 (22.5) | 5,239 (18.3) | † | 626 (10.9) | 3,049 (10.0) | ‡ |
| Weight loss | 32 (1.0) | 61 (0.2) | † | 60 (1.0) | 175 (0.6) | † |
| Fluid and electrolyte disorders | 262 (8.2) | 1,584 (5.5) | † | 714 (12.5) | 2,845 (9.4) | † |
| Blood loss anemia | 43 (1.3) | 429 (1.5) | | 134 (2.3) | 558 (1.8) | ‡ |
| Deficiency anemia | 64 (2.0) | 316 (1.1) | † | 157 (2.7) | 566 (1.9) | † |
| Alcohol abuse | 113 (3.5) | 618 (2.2) | † | 46 (0.8) | 193 (0.6) | |
| Drug abuse | 92 (2.9) | 295 (1.0) | † | 51 (0.9) | 181 (0.6) | ‡ |
| Psychoses | 32 (1.0) | 106 (0.4) | † | 41 (0.7) | 101 (0.3) | † |
| Depression | 588 (18.4) | 3,847 (13.4) | † | 636 (11.1) | 2,681 (8.8) | † |
| Discharge Facility Type, n (%) | | | † | | | † |
| Inpatient Rehab Facility (IRF) | 583 (18.3) | 1,365 (4.8) | | 2,137 (37.3) | 4,234 (13.9) | |
| Skilled Nursing Facility (SNF) | 695 (21.8) | 3,584 (12.5) | | 2,082 (36.3) | 10,305 (33.9) | |
| Home Health Care | 1,447 (45.3) | 17,589 (61.3) | | 1,166 (20.4) | 12,267 (40.4) | |
| Home Self-Care | 466 (14.6) | 6,163 (21.5) | | 343 (6.0) | 3,590 (11.8) | |

* Variables were compared by 90-day hospital readmission status for each age group (<65 vs. ≥65 years) using Wald χ^2 test from unadjusted binary or multinomial logistic regression models that account for clustering by facility

† p<0.001

‡ p<0.05

FY=Fiscal year