**Supplementary Table 2: Demographics and hospital outcomes comparing White and Black patients** age ≥18 **and older hospitalized with infective endocarditis, National Inpatient Sample (2013-2014)**

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| --- | --- | --- | --- |
| **Patient characteristics and outcomes** | **White patients****N = 17,280** | **Black patients****N = 2,905** | **p-value** |
| **Characteristics**  |  |  |  |
| Age (years) (mean $\pm $ SE) | 54.9 $\pm $ 0.4 | 55.3 $\pm $ 0.6 | 0.63 |
| Female, n (%) |  6,583 (38.1) | 1,034 (35.6) | 0.28 |
| Charlson comorbidity score, n (%) |  |  | <0.01 |
|  0 | 5,719 (33.1) | 238 (8.2) |  |
|  1 | 4,008 (23.2) |  505 (17.4) |  |
|  2 | 2,678 (15.5) |  557 (19.2) |  |
|  3 or more | 4,855 (28.1) | 1,365 (47.1) |  |
| Comorbidities, n(%) |  |  |  |
|  Acute heart failure |  1,831 (10.6) | 424 (14.6) | <0.01 |
|  Acute renal failure |  3,283 (19) | 673 (23.2) | 0.02 |
|  Candidemia | 155 (0.9) | 29 (1.0) | 0.9 |
|  Cardiogenic shock |  535 (3.1) | 127 (4.4) | 0.13 |
|  Complicated diabetes mellitus | 933 (5.4) | 354 (12.2) | <0.01 |
|  Drug use | 4,613 (26.7) | 604 (20.8) | 0.02 |
|  History of heart block |  898 (5.2) | 214 (7.4) | 0.08 |
|  Human Immunodeficiency Virus | 103 (0.6) | 133 (4.6) | <0.01 |
|  History of cerebral vascular accident | 2,384 (13.8) |  383 (13.2) | 0.67 |
|  Sepsis |  2,367 (13.7) | 377 (13.0) | 0.65 |
|  Septic emboli | 3,456 (20.0) | 424(14.6) | <0.01 |
|  History of valvular disease | 276 (1.6) | 87 (3.0) | 0.05 |
| Median income in patient’s zip code, n (%) |  |  | <0.01 |
|  $1-$38,999 | 4,700 (27.2) | 1,362 (46.9) |  |
|  $39,000-$47,999 | 4,354 (25.2) | 656 (22.6) |  |
|  $48,000-$62,999 | 3,974 (23.0) | 546 (18.8) |  |
|  $63,000 or more  | 4,129 (23.9) | 334 (11.5) |  |
| Insurance type, n (%) |  |  | <0.01 |
|  Medicare | 7,361 (42.6) | 1,406 (48.4) |  |
|  Medicaid | 3,525 (20.4) | 714 (24.6) |  |
|  Private | 4,596 (26.6) | 607 (20.9) |  |
|  Uninsured | 1,779 (10.3) | 197 (6.8) |  |
| Hospital bed size, n (%) |  |  | 0.08 |
|  Small | 2,315 (13.4) |  284 (9.8) |  |
|  Medium | 4,354 (25.2) | 737 (25.4) |  |
|  Large | 10,592 (61.3) | 1,879 (64.7) |  |
| Hospital region, n (%) |  |  | <0.01 |
|  Northeast | 4,199 (24.3) | 572 (19.7) |  |
|  Midwest | 3,248 (18.8) | 543 (18.7) |  |
|  South | 6,963 (40.3) | 1,472 (50.7) |  |
|  West | 2,851 (16.5) |  307 (10.6) |  |
| Teaching hospital, n (%) |  |  | <0.01 |
|  Non-teaching | 2,160 (12.5) | 101 (3.5) |  |
|  Teaching | 15,120 (87.5) | 2,800 (96.4) |  |
| Outcomes  |  |  |  |
|  In-hospital mortality, n (%) | 777 (4.5) | 194 (6.7) | 0.01 |
|  AVR, n (%) | 2,090 (12.1) | 429 (14.8) | 0.08 |
|  MVR, n (%) | 2,004 (11.6)  | 429 (14.8) | 0.03 |
|  TVR, n (%) | 449 (2.6) | 90 (3.1) | 0.5 |

n = number; AVR = aortic valve repairs/replacements; MVR = mitral valve repairs/replacements;

TVR = tricuspid valve repairs/replacement

**Supplemental Table 3. Adults age 18 years and older:** Odds ratios for hospital outcomes in infective endocarditis for black and white patients

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Racial status (2013 and 2014)** | **Multi-variable Un-adjusted****Odds Ratio (95% CI)** | **p-value** | **Multi-variable Adjusted****Odds Ratio (95% CI)** | **p-value** |
| **Valve replacement treatment** |  |  |  |  |
| Mitral valve replacement (MVR) |  |  |  |  |
|  White patients (ref) | 1.0 |  | 1.0 |  |
|  Black patients | 1.3 (1.0-1.67) | 0.03 | 1.1 (0.85-1.5) | 0.35 |
| Aortic valve replacement (AVR) |  |  |  |  |
|  White Patients (ref) | 1.0 |  | 1.0 |  |
|  Black patients | 1.3 (0.96-1.6) | 0.09 | 0.89 (0.65-1.2) | 0.46 |
| Tricuspid valve replacement (TVR) |  |  |  |  |
|  White patients (ref) | 1.0 |  | 1.0 |  |
|  Black patients | 1.1 (0.7-1.9) | 0.5 | 2.3 (0.29-19.6) | 0.40 |
| **In-hospital mortality** |  |  |  |  |
|  White patients (ref) | 1.0 |  | 1.0 |  |
|  Black patients | 1.5 (1.1-2.2) | 0.02 | 1.5 (0.9-2.3) | 0.09 |