**S4 Table. Relative Risks Comparing Study Populations to the Medicare Fee-For-Service Population for All Outcomes and Conditions Over the First 30, 60, 90, 180, and 365 Days After Discharge.**

**A) Heart Failure**

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| **Readmission Diagnosis Category** | **Days After Discharge** |
|  | **30****(95% CI)** | **60** **(95% CI)** | **90****(95% CI)** | **180****(95% CI)** | **365****(95% CI)** |
| **Cardiovascular Disease** | 7.3(7.1, 7.4) | 5.4(5.3, 5.5) | 4.3(4.3, 4.4) | 2.6(2.5, 2.6) | 1.2(1.2, 1.2) |
| **Heart Failure**  | 123.4(121.7, 125.2) | 91.1(90.2, 92.1) | 72.4(71.8, 73.0) | 44.0(43.7, 44.2) | 23.0(22.9, 23.1) |
| **Stable Coronary Artery Disease/Angina/ Chest Pain**  | 3.0(2.9, 3.1) | 1.9(1.8, 1.9) | 1.0(1.0, 1.1) | 0.7(0.7, 0.7) | 0.1(0.0, 0.1) |
| **Pulmonary Embolism/Deep Vein Thrombosis**  | 5.7(5.4, 6.0) | 3.7(3.6, 3.9) | 1.8(1.8, 1.9) | 1.0(0.9, 1.0) | 0.1(0.1, 0.1) |
| **Chronic Obstructive Pulmonary Disease/Asthma**  | 16.1(15.8, 16.4) | 12.3(12.1, 12.5) | 9.9(9.7, 10.0) | 5.3(5.3, 5.4) | 3.6(3.6, 3.6) |
| **Other Cardiopulmonary**  | 14.0(13.8, 14.2) | 10.1(10.0, 10.2) | 7.9(7.8, 8.0) | 5.0(4.9, 5.0) | 2.9(2.9, 2.9) |
| **Gastrointestinal Bleeding/Anemia**  | 10.2(9.8, 10.5) | 7.3(7.1, 7.5) | 5.9(5.8, 6.0) | 3.3(3.2, 3.3) | 0.9(0.9, 0.9) |
| **Infection**  | 13.0(12.8, 13.1) | 9.6(9.5, 9.7) | 7.7(7.6, 7.8) | 4.9(4.9, 5.0) | 3.0(2.9, 3.0) |
| **Trauma/Injury**  | 3.6(3.5, 3.7) | 3.1(3.0, 3.1) | 2.5(2.5, 2.6) | 1.6(1.6, 1.6) | 0.9(0.9, 0.9) |
| **Renal/Metabolic Disorders** | 28.6(28.1, 29.0) | 20.1(19.9, 20.3) | 15.7(15.6, 15.9) | 9.5(9.4, 9.5) | 4.3(4.2, 4.3) |
| **Arrhythmia/****Conduction Disorders**  | 10.5(10.3, 10.7) | 7.8(7.7, 7.9) | 6.2(6.1, 6.3) | 3.1(3.1, 3.1) | 1.1(1.1, 1.1) |
| **Other**  | 5.8(5.7, 5.8) | 4.2(4.2, 4.3) | 3.4(3.4, 3.5) | 2.2(2.2, 2.2) | 1.3(1.3, 1.3) |

**B) Acute Myocardial Infarction**

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| **Readmission Diagnosis Category** | **Days After Discharge** |
|  | **30****(95% CI)** | **60** **(95% CI)** | **90****(95% CI)** | **180****(95% CI)** | **365****(95% CI)** |
| **Cardiovascular Disease** | 19.1(18.7, 19.4) | 13.3(13.1, 13.5) | 10.5(10.4, 10.6) | 6.7(6.7, 6.8) | 3.3(3.3, 3.4) |
| **Heart Failure**  | 44.3(43.5, 45.1) | 29.4(29.0, 29.8) | 22.0(21.8, 22.3) | 11.1(10.9, 11.2) | 3.9(3.8, 3.9) |
| **Stable Coronary Artery Disease/Angina/Chest Pain**  | 11.0(10.7, 11.4) | 6.9(6.7, 7.1) | 4.8(4.7, 4.9) | 2.6(2.5, 2.6) | 0.8(0.7, 0.8) |
| **Pulmonary Embolism/Deep Vein Thrombosis**  | 8.1(7.6, 8.6) | 2.4(2.2, 2.6) | 1.7(1.6, 1.8) | 1.2(1.1, 1.3) | 0.6(0.5, 0.6) |
| **Chronic Obstructive Pulmonary Disease/Asthma**  | 6.5(6.3, 6.8) | 4.2(4.1, 4.4) | 3.6(3.4, 3.7) | 1.9(1.9, 2.0) | 0.6(0.5, 0.6) |
| **Other Cardiopulmonary**  | 13.0(12.8, 13.3) | 8.7(8.6, 8.8) | 6.7(6.6, 6.8) | 4.2(4.1, 4.2) | 1.8(1.8, 1.8) |
| **Gastrointestinal Bleeding/Anemia**  | 9.5(9.1, 10.0) | 5.8(5.6, 6.0) | 5(4.8, 5.2) | 1.7(1.7, 1.8) | 0.8(0.7, 0.8) |
| **Infection**  | 9.5(9.3, 9.6) | 6.7(6.6, 6.8) | 5.1(5.1, 5.2) | 2.9(2.9, 3.0) | 1.8(1.8, 1.8) |
| **Trauma/Injury**  | 2.2(2.1, 2.3) | 1.9(1.8, 1.9) | 1.3(1.3, 1.4) | 1.3(1.3, 1.3) | 0.7(0.7, 0.8) |
| **Renal/Metabolic Disorders** | 12.9(12.6, 13.3) | 8(7.9, 8.2) | 6.4(6.3, 6.5) | 3.9(3.8, 3.9) | 1.3(1.3, 1.3) |
| **Arrhythmia/Conduction Disorders**  | 9.6(9.3, 9.9) | 6.2(6.0, 6.3) | 3.8(3.7, 3.9) | 2.1(2.0, 2.2) | 1.5(1.5, 1.6) |
| **Other**  | 5.8(5.7, 5.9) | 3.9(3.8, 3.9) | 3.1(3.0, 3.1) | 1.8(1.8, 1.8) | 1(1.0, 1.1) |

**C) Pneumonia**

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| **Readmission Diagnosis Category** | **Days After Discharge** |
|  | **30****(95% CI)** | **60** **(95% CI)** | **90****(95% CI)** | **180****(95% CI)** | **365****(95% CI)** |
| **Cardiovascular Disease** | 3.4(3.3, 3.5) | 2.7(2.6, 2.7) | 2.3(2.3, 2.4) | 1.6(1.6, 1.6) | 1.0(0.9, 1.0) |
| **Heart Failure**  | 17.9(17.5, 18.2) | 13.1(12.9, 13.3) | 10.4(10.3, 10.6) | 6.1(6.0, 6.1) | 2.9(2.9, 3.0) |
| **Stable Coronary Artery Disease/Angina/Chest Pain**  | 0.3(0.3, 0.4) | 0.5(0.4, 0.5) | 0.3(0.3, 0.3) | 0.1(0.1, 0.1) | 0.1(0.1, 0.1) |
| **Pulmonary Embolism/Deep Vein Thrombosis**  | 13.3(12.7, 13.9) | 9.4(9.1, 9.7) | 3.8(3.7, 4.0) | 1.8(1.8, 1.9) | 0.4(0.4, 0.5) |
| **Chronic Obstructive Pulmonary Disease/Asthma**  | 26.1(25.6, 26.6) | 20.9(20.6, 21.2) | 17.4(17.2, 17.7) | 12.4(12.2, 12.5) | 7.9(7.9, 8.0) |
| **Other Cardiopulmonary**  | 13.3(13.1, 13.5) | 9.2(9.1, 9.3) | 7.3(7.2, 7.4) | 4.6(4.6, 4.6) | 2.6(2.5, 2.6) |
| **Gastrointestinal Bleeding/Anemia**  | 7.6(7.3, 7.9) | 4.3(4.2, 4.5) | 3.2(3.1, 3.3) | 1.9(1.9, 2.0) | 0.6(0.6, 0.6) |
| **Infection**  | 27.4(27.1, 27.7) | 19.9(19.7, 20.0) | 16.0(15.9, 16.1) | 10.3(10.2, 10.3) | 6.2(6.2, 6.3) |
| **Trauma/Injury**  | 3.2(3.1, 3.3) | 2.8(2.8, 2.9) | 1.8(1.8, 1.9) | 1.6(1.6, 1.7) | 0.9(0.9, 0.9) |
| **Renal/Metabolic Disorders** | 12.8(12.6, 13.1) | 8.7(8.6, 8.8) | 6.9(6.8, 7.0) | 3.9(3.8, 3.9) | 1.4(1.4, 1.4) |
| **Arrhythmia/Conduction Disorders**  | 4.9(4.7, 5.0) | 3.3(3.2, 3.4) | 2.5(2.4, 2.6) | 1.7(1.7, 1.7) | 0.8(0.7, 0.8) |
| **Other**  | 5.2(5.1, 5.2) | 3.7(3.7, 3.8) | 3(3.0, 3.0) | 2.1(2.0, 2.1) | 1.2(1.2, 1.2) |