**SDC Table 2. Patient Characteristics by Group and By Receipt of ICR by Subgroupsa**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **CABG** | **HVS** | **CABG + HVS** | **Elective PCI** | **Urgent PCI without MI** | **Urgent PCI** | **MI without PCI** | **HF** |
| **(10.7%)** | **(3.1%)** | **(1.8%)** | **(7.7%)** | **(10.7%)** | **(9.2%)** | **(12.7%)** | **(44.1%)** |
| ICR program | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes |
|  | 54.5 | 45.5 | 63 | 37 | 59.3 | 40.7 | 76.3 | 23.7 | 68.7 | 31.3 | 76.3 | 23.7 | 84.4 | 15.6 | 89.4 | 10.6 |
| Age, y | 66 (58-73) | 65 (57-73) | 67 (56-76) | 67 (56-76) | 74(66-80) | 73(65-79) | 66(58-75) | 66 (58-74) | 62(53-73) | 61 (52-72) | 66(57-75) | 66 (57-75) | 75 (62-84) | 70 (58-81) | 76 (64-84) | 74(62-83) |
| Sex |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Female | 27.3 | 27.1 | 44.6 | 45.5 | 35 | 33.7 | 33.7 | 34.9 | 32.8 | 32.0 | 37.1 | 38.1 | 48.6 | 43.5 | 50.7 | 49.9 |
| Male | 72.7 | 72.9 | 55.4 | 54.5 | 65 | 66.3 | 66.3 | 65.1 | 67.2 | 68.0 | 62.9 | 61.9 | 51.4 | 56.5 | 49.3 | 50.1 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| White | 69.8 | 75.6 | 68.3 | 75.7 | 73.6 | 78.5 | 70.9 | 74.4 | 68.1 | 73.0 | 67.8 | 73.5 | 68.2 | 72.6 | 61.1 | 60.0 |
| Black | 7.3 | 6 | 7.6 | 6.5 | 4.8 | 4.2 | 7.4 | 7 7 | 8.4 | 6.5 | 8.6 | 7.8 | 10.5 | 9.8 | 18.6 | 23.8 |
| Hispanic | 3.7 | 3 | 3.6 | 3.9 | 3 | 2.6 | 4.1 | 2.1 | 4.2 | 4.8 | 4.0 | 3.8 | 4.1 | 4.2 | 4.9 | 4.7 |
| Other | 19.2 | 15.3 | 20.6 | 13.9 | 18.6 | 14.8 | 17.7 | 16.5 | 19.3 | 15.8 | 19.5 | 15.0 | 17.2 | 13.4 | 15.5 | 11.5 |
| Marital status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Married | 58.4 | 59.4 | 53.5 | 54.2 | 55.1 | 56.1 | 60.5 | 59.4 | 51.8 | 53.8 | 50.7 | 52.2 | 40.5 | 46.7 | 36.0 | 36.5 |
| Single | 31.7 | 30 | 35.9 | 36.8 | 34.4 | 33.3 | 32.4 | 30.9 | 36.6 | 37.0 | 34.9 | 34.6 | 48.1 | 45.6 | 52.1 | 54.8 |
| Other | 9.9 | 10.6 | 10.6 | 9 | 10.5 | 10.5 | 7.1 | 9.6 | 11.7 | 9.2 | 14.4 | 13.2 | 11.4 | 7.7 | 12.0 | 8.8 |
| Insurance payor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicare | 52.3 | 51.6 | 54.5 | 55.7 | 73.5 | 73.3 | 56.5 | 57.2 | 42.7 | 41.4 | 55.4 | 55.6 | 70.9 | 64.0 | 76.2 | 76.2 |
| Medicaid | 5.8 | 5.1 | 6.1 | 5.1 | 3.4 | 2.8 | 5.0 | 3.7 | 6.7 | 5.2 | 6.4 | 4.7 | 5.3 | 4.9 | 7.0 | 6.6 |
| Managed care or Commercial  | 34.4 | 35.3 | 34.3 | 32.9 | 19.8 | 19.8 | 34.2 | 33.3 | 37.2 | 39.6 | 30.9 | 31.4 | 17.1 | 22.7 | 11.7 | 11.7 |
| Self-pay/Other | 7.6 | 8.0 | 5.2 | 6.3 | 3.3 | 4.1 | 4.3 | 5.8 | 13.4 | 13.9 | 7.3 | 8.3 | 6.7 | 8.4 | 5.1 | 5.6 |
| Gagne combined comorbidity score |  1(0-3) | 1(0-3) | 2(1- 4) | 2(1- 4) | 3(1-5) | 3(1-5) | 0 (-1 to 1) | 0 (-1 to 1) | 0 (-1 to 2) | 0 (-1 to 2) | 0 (-1 to 2) | 0 (-1 to 2) | 2 (0, 5) | 2 (0, 4) | 5 (3, 6) | 5(3, 6) |
| Comorbidities |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertension | 77.2 | 78 | 61.5 | 64.5 | 71.2 | 73.8 | 71.9 | 69.5 | 64.7 | 63.3 | 75.2 | 73.9 | 72.0 | 72.7 | 68.4 | 68.6 |
| Tobacco abuse disorder |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Former smoker | 21.9 | 21.4 | 17.5 | 17.6 | 22.1 | 20.5 | 17.1 | 13.1 | 12.3 | 12.8 | 15.9 | 14.9 | 14.4 | 15.8 | 15.1 | 15.0 |
| Current smoker | 21.5 | 24.1 | 10.8 | 12.1 | 11.9 | 13.1 | 15.7 | 16.9 | 33.7 | 34.8 | 19.4 | 20.2 | 17.6 | 22.9 | 10.8 | 12.1 |
| Nonsmoker | 56.6 | 54.5 | 71.7 | 70.2 | 66 | 66.4 | 67.2 | 70.0 | 54.0 | 52.4 | 64.7 | 64.9 | 68.0 | 61.3 | 74.1 | 72.8 |
| Diabetes | 43.4 | 42.2 | 24 | 24.1 | 34.6 | 36.2 | 34.6 | 32.6 | 29.5 | 27.7 | 38.0 | 36.7 | 38.9 | 37.8 | 45.4 | 45.4 |
| Atrial fibrillation | 27.6 | 26.6 | 45.9 | 46.9 | 49.4 | 49.1 | 8.5 | 8.9 | 9.7 | 9.4 | 10.5 | 11.4 | 21.9 | 18.7 | 38.0 | 38.6 |
| Heart failure | 1.2 | 0.6 | 2.6 | 1.6 | 3.6 | 1.5 | 0.5 | 0.6 | 0.2 | 0.1 | 2.7 | 2.5 | 1.2 | 0.8 | 1.0 | 1.1 |
| Chronic pulmonary | 22.9 | 26.2 | 21 | 23.2 | 24.7 | 26.5 | 13.5 | 14.1 | 15.4 | 14.9 | 17.9 | 18.9 | 25.4 | 24.0 | 37.4 | 37.1 |
| Deficiency anemias | 20.1 | 21.2 | 21.2 | 24.6 | 23.2 | 24.1 | 6.0 | 6.8 | 10.4 | 10.3 | 10.3 | 12.0 | 23.6 | 19.3 | 31.7 | 31.2 |
| Valvular disease | 0.4 | 0.3 | 2.3 | 1.6 | 3.3 | 1.7 | 0.2 | 0.2 | 0.0 | 0.0 | 1.0 | 1.0 | 0.4 | 0.3 | 0.4 | 0.5 |
| Obesity | 19.8 | 21 | 14.7 | 16.2 | 14.6 | 15.1 | 11.8 | 12.4 | 13.4 | 14.0 | 14.0 | 15.3 | 10.7 | 12.8 | 15.4 | 17.2 |
| Peripheral vascular disease | 15.7 | 15.8 | 14.3 | 14.5 | 19.6 | 19.4 | 12.7 | 11.5 | 8.4 | 7.9 | 12.0 | 11.7 | 15.3 | 14.7 | 13.0 | 13.5 |
| Acute kidney injury | 12.4 | 11.4 | 14.9 | 14.7 | 22.6 | 21.3 | 2.1 | 2.4 | 7.5 | 6.4 | 5.4 | 6.2 | 18.6 | 14.4 | 17.9 | 21.0 |
| Renal failure | 13 | 12.7 | 13.1 | 13.3 | 19.2 | 19.2 | 8.9 | 8.9 | 10.0 | 8.9 | 12.6 | 12.8 | 27.4 | 22.9 | 40.7 | 42.6 |
| Hypothyroidism | 9.1 | 9.4 | 11.7 | 12.2 | 12 | 11.9 | 7.3 | 7.9 | 7.7 | 7.9 | 9.5 | 10.1 | 13.7 | 12.0 | 16.8 | 15.9 |
| Pulmonary circulation disease | 0.2 | 0.1 | 1.3 | 0.8 | 1.2 | 0.6 | 0.1 | 0.2 | 0.0 | 0.0 | 0.6 | 0.6 | 0.2 | 0.2 | 0.4 | 0.4 |
| Obstructive sleep apnea | 8.1 | 9.5 | 8 | 9.1 | 7.3 | 8.4 | 4.9 | 6.1 | 4.1 | 4.7 | 5.9 | 7.4 | 4.9 | 6.0 | 11.0 | 13.0 |
| Depression | 6.6 | 7.6 | 7.2 | 8.3 | 6.4 | 7.3 | 4.1 | 4.9 | 5.6 | 6.1 | 6.8 | 7.8 | 8.8 | 8.5 | 9.8 | 9.6 |
| Chronic blood loss anemia | 2.1 | 1.9 | 1.8 | 1.9 | 2.4 | 2.1 | 0.3 | 0.3 | 0.8 | 0.7 | 0.6 | 0.6 | 1.6 | 1.4 | 1.1 | 1.1 |

Abbreviations: CABG, coronary artery bypass graft surgery; HF, heart failure; HVS, heart valve surgery; MI, myocardial infarction; PCI, percutaneous coronary intervention.

aData reported as percent of total sample or median (Q1-Q3).