

4.4.4a Attach Risk Adjustment Modeling and/or Stratification Specifications

Table 15: Mortality model variables

| <b>Variable</b>  | <b>Variable Type</b> | <b>Elements</b>  |
|--|----------------------|--|
| Age Splines:<br>Age <=45<br>Age >45  | Number               | DOB (2050) and Arrival Date/Time (3001)  |
| Female   | Boolean (yes or no)  | Sex (2060)   |
| Cerebrovascular Disease  | Boolean (yes or no)  | Cerebrovascular Disease (4551)   |
| Peripheral Arterial Disease  | Boolean (yes or no)  | Peripheral Arterial Disease (4610)   |
| Chronic Lung Disease   | Boolean (yes or no)  | Chronic Lung Disease (4576)  |
| Prior PCI  | Boolean (yes or no)  | Prior PCI (4495)   |
| Diabetes Mellitus  | Boolean (yes or no)  | Diabetes Mellitus (4555)   |
| Severe Frailty   | Boolean (yes or no)  | CSHA Clinical Frailty Scale (4561) = one of the following: severely frail, very severely frail or terminally ill <i>and none</i> of the following: Cardiogenic Shock (7415), or Refractory Cardiogenic Shock (7415) or Salvage PCI (7800)  |
| NYHA:<br>No HF (reference)<br>NYHA IV<br>NYHA I, II, III                                       | Categories           | NYHA Class (4011)  |
| CKD Stage:<br>GFR 0-14 or dialysis<br>GFR 15-29<br>GFR 30-44<br>GFR 45-60<br>Other (reference) | Categories           | $eGFR = 141 \times \min(SCr/\kappa, 1)^\alpha \times \max(SCr/\kappa, 1)^{-1.209} \times 0.993^{Age} \times 1.018$ [if female] $\times 1.159$ [if Black]; $\kappa = 0.7$ (females) or $0.9$ (males), $\alpha = -0.329$ (females) or $-0.411$ (males). (2050, 3001, 2060, 2071, 6050)<br><br>Currently on Dialysis (4560) |

|   |   |  |
|---|---|--|
| <p>Left Ventricular Ejection Fraction (LVEF) splines:</p> <p>LVEF &lt;= 55</p> <p>LVEF &gt; 55</p> <p>LVEF (not measured – Imputed value)</p> | <p>Number for the first two and binary for the last one</p> | <p>Ejection Fraction (7061) <u>and</u> if missing then use (5116)</p> <p>If not measured value imputed as the median of LVEF in the stratified groups by heart failure, myocardial infarction, and shock</p>   |
| <p>Systolic Blood Pressure (SBP) splines:</p> <p>SBP &lt; 90</p> <p>SBP 90-180</p> <p>SBP &gt; 180</p>  | <p>Number</p>   | <p>Systolic Blood Pressure (6016)</p>  |
| <p>PCI Status and Clinical Instability</p>  | <p>Categories</p>   | <p>Six mutually exclusive groups:</p> <ol style="list-style-type: none"> <li>1. Salvage PCI (7800) or Refractory Shock (7415) (excluded)</li> <li>2. Cardiogenic Shock (7415) without Salvage PCI (7800) (excluded)</li> <li>3. Cardiovascular instability* without shock (7415) <u>or</u> salvage PCI (7800)</li> <li>4. Emergency PCI (7800) without shock or cardiac instability*(7415)</li> <li>5. Urgent PCI (7800) without shock <u>or</u> cardiovascular instability* (7415)</li> </ol> |

|                            |            |   |
|----------------------------|------------|---|
|                            |            | <p>6. Elective PCI (7800) without shock <u>or</u> cardiovascular instability* (7415), reference group</p> <p>7. Other, reference group</p>  |
| *                          | *          | * Cardiovascular Instability defined as 7415 = Cardiovascular Instability Type of Hemodynamic instability, or Acute Heart Failure Symptoms, or Ventricular arrhythmia; but without shock.   |
| Aortic Stenosis            | Boolean    | Valvular disease stenosis type (7450) = aortic stenosis and Stenosis severity (7451) = moderate <u>or</u> severe  |
| Surgical Turndown          | Boolean    | CV treatment decision (7816) = surgery not recommended  |
| ST-segment elevation MI    | Boolean    | <p>Percutaneous Coronary Intervention Indication (7825) = <u>any</u> of the following:</p> <p>STEMI - Immediate PCI for Acute STEMI,</p> <p>STEMI - Stable (&lt;=12 hrs from Symptom onset),</p> <p>STEMI - Stable (&gt;12 hrs from Symptom onset),</p> <p>STEMI - Unstable (&gt;12hrs from Symptom onset),</p> <p>STEMI (after successful lytics),</p> <p>STEMI - Rescue (after unsuccessful lytics)</p> |
| Number of diseased vessels | Categories |   |

|   |                     |  |
|---|---------------------|--|
| 3<br>2<br>Other (reference)   |                     | Number of diseased vessels determined by:<br>Native stenosis (7508) = LM $\geq$ 50% stenosis <u>or</u><br>LAD, CFX or RCA with one or more segments<br>with $\geq$ 70% stenosis <u>or</u> iFR ratio $\leq$ 0.8 (7513)<br><u>or</u> FFR ratio $\leq$ 0.89 (7512)<br><br>Note: Based on the criteria above, if the LM is<br>identified as diseased and coronary dominance<br>(7500) = Left and the RCA is identified as<br>diseased then this is considered 3 vessel<br>disease. If the RCA is not diseased then it is<br>considered 2 vessel disease. |
| Highest Risk Lesion treated<br>with PCI<br><br>Left Main<br><br>Proximal LAD<br><br>Other (reference) | Categories          | Left Main = Segment Number (7507) = 11a, 11b<br>or 11c <u>or</u><br>Proximal Left anterior descending = Segment<br>Number (7507) = 12  |
| Chronic Total Occlusion   | Boolean (yes or no) | Chronic Total Occlusion (8005) = Yes   |
| In-stent Thrombosis   | Boolean (yes or no) | In-stent Thrombosis (8012) within 30 days of<br>prior PCI calculated as difference between prior<br>PCI data (8009) and procedure data (7000)  |

Table 16: Model Coefficients for All PCI with No Prior Cardiac Arrest or Cardiogenic Shock

| Variable | Estimate | Standard Error | T-Value | Pr > T-Value | OR | LOR | UOR |
|----------|----------|----------------|---------|--------------|----|-----|-----|
| Age      |          |                |         |              |    |     |     |

|  |         |        |          |        |        |        |        |
|--|---------|--------|----------|--------|--------|--------|--------|
| <45 yrs.                                   | -0.0055 | 0.0189 | -0.2890  | 0.7726 | 0.9946 | 0.9584 | 1.0321 |
| ≥45 yrs.                                   | 0.0478  | 0.0014 | 33.0445  | 0.0000 | 1.0490 | 1.0460 | 1.0520 |
| Female                                     | 0.3190  | 0.0293 | 10.8928  | 0.0000 | 1.3758 | 1.2991 | 1.4571 |
| Cerebrovascular disease                    | 0.1801  | 0.0351 | 5.1239   | 0.0000 | 1.1973 | 1.1176 | 1.2827 |
| Peripheral Arterial Disease                | 0.2654  | 0.0388 | 6.8349   | 0.0000 | 1.3039 | 1.2084 | 1.4071 |
| Chronic Lung disease                       | 0.3502  | 0.0341 | 10.2620  | 0.0000 | 1.4194 | 1.3275 | 1.5175 |
| Previous PCI                               | -0.2279 | 0.0320 | -7.1124  | 0.0000 | 0.7962 | 0.7477 | 0.8478 |
| Diabetes                                   | 0.1240  | 0.0301 | 4.1230   | 0.0000 | 1.1321 | 1.0672 | 1.2008 |
| CKD stage                                  |         |        |          |        |        |        |        |
| Stage 5 (GFR 0-14)                         | 1.2884  | 0.0505 | 25.5241  | 0.0000 | 3.6271 | 3.2854 | 4.0043 |
| Stage 4 (GFR 15-29)                        | 1.1990  | 0.0519 | 23.1126  | 0.0000 | 3.3169 | 2.9962 | 3.6719 |
| Stage 3(GFR 30-44)                         | 0.5733  | 0.0428 | 13.3811  | 0.0000 | 1.7742 | 1.6313 | 1.9296 |
| Stage 3a (GFR 45-60)                       | 0.2417  | 0.0399 | 6.0566   | 0.0000 | 1.2734 | 1.1776 | 1.3770 |
| Severe Frailty and No CA/Salvage PCI/Shock | 1.2235  | 0.0407 | 30.0445  | 0.0000 | 3.3990 | 3.1382 | 3.6814 |
| Aortic Stenosis (at least moderate)        | 0.3315  | 0.0730 | 4.5437   | 0.0000 | 1.3931 | 1.2075 | 1.6073 |
| LVEF                                       |         |        |          |        |        |        |        |
| Not measured                               | 0.0961  | 0.0406 | 2.3681   | 0.0179 | 1.1009 | 1.0167 | 1.1921 |
| <55%                                       | -0.0173 | 0.0016 | -10.8189 | 0.0000 | 0.9828 | 0.9797 | 0.9859 |
| ≥55%                                       | -0.0088 | 0.0054 | -1.6290  | 0.1033 | 0.9912 | 0.9808 | 1.0018 |
| Systolic Blood Pressure                    |         |        |          |        |        |        |        |
| <90 mmHG                                   | -0.0065 | 0.0056 | -1.1581  | 0.2468 | 0.9935 | 0.9825 | 1.0045 |
| 90-180 mmHG                                | -0.0187 | 0.0007 | -28.3523 | 0.0000 | 0.9815 | 0.9802 | 0.9827 |
| >180 mmHg                                  | 0.0091  | 0.0026 | 3.4545   | 0.0006 | 1.0091 | 1.0039 | 1.0143 |
| STEMI                                      | 0.8370  | 0.0547 | 15.3125  | 0.0000 | 2.3095 | 2.0749 | 2.5707 |
| Clinical instability                       |         |        |          |        |        |        |        |

|                                 |        |        |         |        |        |        |         |
|---------------------------------|--------|--------|---------|--------|--------|--------|---------|
| Urgent PCI without shock/CVI    | 1.2168 | 0.0548 | 22.2235 | 0.0000 | 3.3764 | 3.0328 | 3.7589  |
| Emergency PCI without shock/CVI | 1.8060 | 0.0729 | 24.7679 | 0.0000 | 6.0863 | 5.2757 | 7.0214  |
| No Salvage PCI and CVI          | 2.2365 | 0.0626 | 35.7023 | 0.0000 | 9.3606 | 8.2790 | 10.5834 |
| Heart failure                   |        |        |         |        |        |        |         |
| NYHA class 1/2/3                | 0.0634 | 0.0386 | 1.6410  | 0.1008 | 1.0654 | 0.9878 | 1.1492  |
| NYHA class 4                    | 0.4991 | 0.0577 | 8.6484  | 0.0000 | 1.6472 | 1.4711 | 1.8445  |
| In-stent thrombosis             | 0.5314 | 0.1461 | 3.6385  | 0.0003 | 1.7013 | 1.2778 | 2.2652  |
| Highest risk lesion             |        |        |         |        |        |        |         |
| Proximal LAD vs. other          | 0.3193 | 0.0332 | 9.6223  | 0.0000 | 1.3761 | 1.2895 | 1.4686  |
| Left main vs. other             | 0.6758 | 0.0507 | 13.3348 | 0.0000 | 1.9656 | 1.7798 | 2.1709  |
| Number of diseased vessels      |        |        |         |        |        |        |         |
| 2 vs. 1                         | 0.2471 | 0.0347 | 7.1196  | 0.0000 | 1.2803 | 1.1961 | 1.3705  |
| 3 vs.1                          | 0.5180 | 0.0373 | 13.8951 | 0.0000 | 1.6787 | 1.5604 | 1.8060  |
| Chronic total occlusion         | 0.5264 | 0.0648 | 8.1181  | 0.0000 | 1.6928 | 1.4908 | 1.9222  |
| Surgical Turndown               | 0.2403 | 0.0525 | 4.5758  | 0.0000 | 1.2716 | 1.1472 | 1.4094  |

\*Per 10-unit increase. † Per 5-unit increase. ‡ Versus GFR >60. § versus elective PCI without shock/CI. ¶ versus no heart failure within 2 weeks. \*\* vs no cardiac arrest.

CVI = cardiovascular instability; CKD = chronic kidney disease; GFR = glomerular filtration rate; LAD = left anterior descending; LVEF = left ventricular ejection fraction; NYHA = New York Heart Association; PCI = percutaneous coronary intervention; STEMI = ST- elevation myocardial

Table 17: Model variables for Bleeding

| <b>VARIABLE</b>               | <b>VARIABLE TYPE</b> | <b>ELEMENTS</b>  |
|-------------------------------|----------------------|--|
| Observed Bleed                | Boolean (yes or no)  | 1=Bleed, 0=No-Bleed (Definition above and in companion guide)  |
| Predicted Bleed               | Number               | Predicted Probability of Bleeding in Eligible patients. Values >0, <1.   |
| ST-segment elevation MI       | Boolean (yes or no)  | IF Any of these are True in 7825: <ul style="list-style-type: none"> <li>• Primary PCI for Acute STEMI</li> <li>• STEMI - Stable (&lt;12 hours from symptom onset)</li> <li>• STEMI - Stable (&gt;12 hours from symptom onset)</li> <li>• STEMI - Unstable (&gt;12 hours from symptom onset)</li> <li>• STEMI - (After successful lytics)</li> <li>• STEMI - Rescue (After unsuccessful lytics)</li> </ul> |
| Age <=70                      | Number               | DOB (2050) and Arrival Date (3001): Return Age if age<=70. If age>70 return 70   |
| Age >70                       | Number               | DOB (2050) and Arrival Date (3001)<br>If age<=70 return 0. If age>70 return 70-age   |
| BMI <=30                      | Number               | Height (6000) and Weight (6005)<br>If BMI<=30 then return BMI. IF BMI>30 return 30   |
| BMI >30                       | Number               | Height (6000) and Weight (6005)If BMI<=30 then return 0. If BMI>30 return BMI-30   |
| Female                        | Boolean (yes or no)  | Sex (2060)   |
| Pre-Procedure Hemoglobin <=13 | Number               | Pre-Procedure Hemoglobin (6030) if HGB<=13 then return HGB. If HGB>13 THEN RETURN 13   |
| Procedure Hemoglobin >13      | Number               | Pre-Procedure Hemoglobin (6030) IF HGB<=13 THEN RETURN 0. IF HGB>13 then return hgb-13   |

|  |                     |  |
|--|---------------------|--|
|  |                     |  |
| Prior Percutaneous Coronary Intervention | Boolean (yes or no) | Prior Percutaneous Coronary Intervention (4495)  |
| Mild GFR $\geq 45 - 60$                  | Boolean (yes or no) | Pre-procedure creatinine (6050), Age (Birth Date (2050) and Arrival Date/Time (3001), sex (2060) and African race (2071)                                 |
| Moderate GFR $\geq 30 - < 45$            | Boolean (yes or no) | Pre-procedure creatinine (6050), Age (Birth Date (2050) and Arrival Date/Time (3001), sex (2060) and African race (2071)                                 |
| Renal Failure (GFR $< 30$ or Dialysis)   | Boolean (yes or no) | Pre-procedure creatinine (6050), Age (Birth Date (2050) and Arrival Date/Time (3001), sex (2060) and African race (2071) OR Currently on Dialysis (4560) |
| Cardiogenic Shock                        | Boolean (yes or no) | CV instability (7410, 7415) = cardiogenic shock or refractory cardiogenic shock  |

Table 18: Bleeding model coefficients/weights

| Variable            | Weight   | Standard Error | Odds Ratio, 95% CI, p-value |
|---------------------|----------|----------------|-----------------------------|
| <b>Intercept</b>    | -0.0884  | 0.1258         |                             |
| <b>STEMI</b>        | 0.9327   | 0.0196         | 2.54(2.45,2.64) p<.0001     |
| <b>dAge_LE70</b>    | 0.0155   | 0.00128        | 1.02(1.01,1.02) p<.0001     |
| <b>dAge_GT70</b>    | 0.02097  | 0.00154        | 1.02(1.02,1.02) p<.0001     |
| <b>dBMI_LE30</b>    | -0.04266 | 0.00259        | 0.96(0.95,0.96) p<.0001     |
| <b>dBMI_GT30</b>    | -0.00201 | 0.00183        | 1(0.99,1) p 0.2716          |
| <b>dprpci</b>       | -0.2131  | 0.0180         | 0.81(0.78,0.84) p<.0001     |
| <b>dCKD1</b>        | 0.3346   | 0.0220         | 1.4(1.34,1.46) p<.0001      |
| <b>dCKD2</b>        | 0.5016   | 0.0265         | 1.65(1.57,1.74) p<.0001     |
| <b>dCKD3</b>        | 0.6309   | 0.0272         | 1.88(1.78,1.98) p<.0001     |
| <b>shock</b>        | 1.9807   | 0.0240         | 7.25(6.91,7.6) p<.0001      |
| <b>dPreHGB_LE13</b> | -0.3474  | 0.00606        | 0.71(0.7,0.71) p<.0001      |



|                     |         |         |                          |
|---------------------|---------|---------|--------------------------|
| <b>dPreHGB_GT13</b> | 0.03236 | 0.00859 | 1.03(1.02,1.05) p 0.0002 |
| <b>female</b>       | 0.4403  | 0.0175  | 1.55(1.5,1.61) p<.0001   |

Table 19: Model variables for acute kidney injury

| <b>AKI Model variables Variable</b>   | <b>Variable Type</b> | <b>Elements</b>  |
|---|----------------------|--|
| Age   | Number               | Birth date (2050) and Arrival date/time (3001)   |
| Gender  | Categorical          | Sex (2060)   |
| Hypertension  | Boolean (yes or no)  | 4615   |
| Cardiac Arrest and Level of Consciousness<br>Arrest and Responsive<br>Arrest and Non-Responsive | Categorical          | Cardiac arrest: Out of healthcare facility (4630), At transferring facility (4635) or at this facility (7340)<br>Level of consciousness is unresponsive (7810=unresponsive)<br>Level of consciousness is all others (7810 = alert, pain, unable to assess or verbal) |
| Diabetes  | Boolean (yes or no)  | 4555   |
| Severe Frailty  | Boolean (yes or no)  | CHSA Clinical Frailty Scale (4561) = Severely frail, very severely frail, or terminally ill.   |
| Heart Failure   | Boolean (yes or no)  | 4001   |
| Concomitant Procedures  | Boolean (yes or no)  | 7065   |
| eGFR  | number               | Age: Birth date (2050) and procedure start date/time (7000)<br>Gender: Sex (2060)<br>Creatinine (6050)<br>Using AS equation  |

|   |             |   |
|---|-------------|---|
|   |             | <p>MALE: <math>GFR = \min(\text{creatinine}/.9, 1)^{**} \cdot .302</math></p> <p><math>\cdot \max(\text{creatinine}/.9, 1)^{**} \cdot -1.2</math></p> <p><math>\cdot .9938^{**} \text{age}</math></p> <p>FEMALE: <math>GFR = \min(\text{creatinine}/.7, 1)^{**} \cdot .241</math></p> <p><math>\cdot \max(\text{creatinine}/.7, 1)^{**} \cdot -1.2</math></p> <p><math>\cdot .9938^{**} \text{age}</math></p> <p><math>\cdot 1.012</math></p> |
| <p>CKD Stage:</p> <p>Mild</p> <p>Moderate</p> <p>Severe</p> | Categorical | <p>None: GFR 60+</p> <p>Mild: GFR 45-60</p> <p>Mod: GFR 30-45</p> <p>Severe: GFR &lt;30</p>   |
| Anemia (<10g/dL)  | Value       | Hemoglobin (6030) <10 g/dL  |
| Cardiovascular Instability / PCI status                     | Categorical | <p>Level 1: PCI Status (7800)=salvage OR Cardiovascular instability type (7415)=refractory cardiogenic shock</p> <p>ELSE:</p> <p>Level 2: Cardiovascular instability type (7415)=Cardiogenic Shock</p> <p>ELSE:</p> <p>Level 3: Cardiovascular instability type (7415) =ALL OTHERS</p> <p>ELSE:</p>   |

|   |                     |   |
|---|---------------------|---|
|   |                     | <p>Level 4: PCI Status(7800) =Emergency</p> <p>ELSE:</p> <p>Level 5: PCI Status (7800)= Urgent</p> <p>ELSE:</p> <p>Level 6: PCI Status (7800)=Elective</p>  |
| Mechanical Ventricular Support and Timing | Categorical         | <p>At Start: Timing (7424) =In place at start</p> <p>During: Timing (7424) =During procedure and prior to intervention</p>  |
| STEMI                                     | Boolean (yes or no) | <p>PCI indication (7825) = in Concept IDs</p> <p>3137 Primary PCI for Acute STEMI</p> <p>3138 STEMI - Stable (&lt;12 hours from symptom onset)</p> <p>3139 STEMI - Stable (&gt;12 hours from symptom onset)</p> <p>3140 STEMI - Unstable (&gt;12 hours from symptom onset)</p> <p>3141 STEMI - (After successful lytics)</p> <p>3142 STEMI - Rescue (After unsuccessful lytics)</p> |
| NSTEMI – Unstable Angina                  | Boolean (yes or no) | <p>PCI indication (7825) =NSTE-ACS</p> <p>3143 NSTE - ACS</p>   |
| PCI of Proximal LAD                       | Boolean (yes or no) | <p>Segment Number(s) (8001) = Proximal LAD artery segment (pLAD) (12)</p> <p>Note: pLAD is equivalent to selection 12 on the CathPCI segment number diagram (Concept 2538).</p>   |

Table 20: AKI model coefficients/weights

| Variable               | NOTE                            | Beta Weight | Standard Error | Odds Ratio, 95% CI, p-value |
|------------------------|---------------------------------|-------------|----------------|-----------------------------|
| Intercept              |                                 | -2.0304     | 0.1025         | NA                          |
| Age_LE70               | Min(age,70) use as continuous   | 0.009017    | 0.001145       | 1(1,1) P<.0001              |
| Age_gt70               | Max(0,age-70) use as continuous | 0.01719     | 0.001428       | 1(1,1) P<.0001              |
| Diabetes               | 1 if yes, 0 if no               | 0.4523      | 0.01593        | 1.57(1.52,1.62) P<.0001     |
| Severe Frailty         | 1 if yes, 0 if no               | 0.386       | 0.02179        | 1.47(1.41,1.54) P<.0001     |
| Heart Failure          | 1 if yes, 0 if no               | 0.6809      | 0.01682        | 1.98(1.91,2.04) P<.0001     |
| Concomitant Procedures | 1 if yes, 0 if no               | 0.3661      | 0.02047        | 1.44(1.39,1.5) P<.0001      |
| CKD1                   | GFR >60 (1 if yes, 0 if no)     | -1.5189     | 0.02817        | 0.22(0.21,0.23) P<.0001     |
| CKD2                   | GFR 45-60 (1 if yes, 0 if no)   | -1.053      | 0.02999        | 0.35(0.33,0.37) P<.0001     |
| CKD3                   | GFR 30-45 (1 if yes, 0 if no)   | -0.6344     | 0.0307         | 0.53(0.5,0.56) P<.0001      |
| CKD4                   | GFR<30 (1 if yes, 0 if no)      | 0           | 0              | 0                           |
| Anemia                 |                                 | 0.568       | 0.0223         | 1.76(1.69,1.84) P<.0001     |
| Hypertension           | 1 if yes, 0 if no               | 0.247       | 0.015          | 1.28 (1.22, 1.34), p<0.001  |
| PCI_instability_6      | Level6 1 if yes, 0 if no        | 0           | 0              | 0                           |
| PCI_instability_5      | Level5 1 if yes, 0 if no        | 0.6596      | 0.03015        | 1.93(1.82,2.05) P<.0001     |
| PCI_instability_4      | Level4 1 if yes, 0 if no        | 0.8695      | 0.0474         | 2.39(2.17,2.62) P<.0001     |

|                          |  |         |         |                             |
|--------------------------|--|---------|---------|-----------------------------|
| PCI_instability_3        | Level3 1 if yes, 0 if no                   | 0.9726  | 0.03305 | 2.64(2.48,2.82)<br>P<.0001  |
| PCI_instability_2        | Level2 1 if yes, 0 if no                   | 1.9795  | 0.04344 | 7.24(6.65,7.88)<br>P<.0001  |
| PCI_instability_1        | Level1 1 if yes, 0 if no                   | 2.2558  | 0.06423 | 9.54(8.41,10.82)<br>P<.0001 |
| STEMI                    | 1 if yes, 0 if no                          | 0.5128  | 0.0305  | 1.67(1.57,1.77)<br>P<.0001  |
| NSTEMI – Unstable Angina | 1 if yes, 0 if no                          | 0.27    | 0.02383 | 1.31(1.25,1.37)<br>P<.0001  |
| MVSupport3               | MV Prior to Intervention 1 if yes, 0 if no | -0.6324 | 0.03562 | 0.53(0.5,0.57) P<.0001      |
| MVSupport2               | MV at Start1 if yes, 0 if no               | -0.1609 | 0.07046 | 0.85(0.74,0.98)<br>P0.0224  |
| MVSupport1               | None1 if yes, 0 if no                      | 0       | 0       | 0                           |
| PCI of Proximal LAD      | 1 if yes, 0 if no                          | 0.215   | 0.01683 | 1.24(1.2,1.28) P<.0001      |