Table 12: Section 4.2.3 Reliability Testing Results with 108 data elements that inform the Composite measure

Table 14: 4.3.4 Validity Testing Results associated with 108 data elements that inform the Composite measure

PABAK testing used for discrete variables.

Pearson correlation tested used for continuous variables and represented in bold and italics.

|  |  |  | 2022 Data |  |  | 2021 Data |
| --- | --- | --- | --- | --- | --- | --- |
| Seq# | Data element name used within Composite measure | Agreement rate in 2022 (%) | PABAK/ |  | Agreement rate in 2021 (%) | PABAK/ |
| ***Pearson Correlation*** |  | ***Pearson Correlation*** |
| Score/***Coefficient*** | 95% CI/*p-value* |  | Score/***Coefficient*** | 95% CI/***p-value*** |
| ***3001*** | **Arrival Date** | **98.99%** | **0.948** | **<0.0001** |  | **99.13%** | **1** | **p <0.0001** |
| ***3001*** | **Arrival Time** | **81.37%** | **0.951** | **<0.0001** |  | **63.63%** | **0.962** | **p <0.0001** |
| 4001 | Heart Failure | 88.97% | 0.779 | 0.736-0.823 |  | - | - | - |
| 4011 | New York Heart Classification (NYHA) | 80.35% | 0.744 | 0.71-0.779 |  | - | - | - |
| 4495 | Prior Percutaneous Coronary Intervention (PCI) | 95.44% | 0.909 | 0.88-0.938 |  | - | - | - |
| 4551 | Cerebrovascular Disease | 95.06% | 0.926 | 0.903-0.949 |  | - | - | - |
| 4555 | Diabetes Mellitus | 92.02% | 0.84 | 0.802-0.878 |  | - | - | - |
| 4560 | Currently on Dialysis | 99.49% | 0.99 | 0.98-1 |  | 99.50% | 0.99 | 0.980-1.000 |
| 4576 | Chronic Lung Disease | 93.79% | 0.907 | 0.882-0.932 |  | - | - | - |
| 4610 | Peripheral Arterial Disease | 93.41% | 0.901 | 0.875-0.927 |  | - | - | - |
| 4630 | Cardiac Arrest Out of Healthcare Facility | 99.87% | 0.997 | 0.993-1 |  | 99.38% | 0.991 | 0.982-0.999 |
| 4635 | Cardiac Arrest at Transferring Healthcare Facility | 99.62% | 0.994 | 0.988-1 |  | 99.75% | 0.996 | 0.991-1.000 |
| ***5116*** | ***LVEF % (Pre-Procedure)*** | 74.90% | ***0.925*** |  ***<0.0001*** |  | - | - | - |
| ***6030*** | ***Pre-Hemoglobin*** | - | - | - |  | **86.13%** | ***0.974*** | ***p <.0001*** |
| ***7000*** | ***Date of Procedure*** | - | - | - |  | **99.25%** | ***1*** | ***p <.0001*** |
| ***7000*** | ***Time of Procedure*** | ***-*** | ***-*** | ***-*** |  | ***94.25%*** | ***0.016*** | ***0.6496*** |
| ***7005*** | ***Procedure Start Date*** | ***98.86%*** | ***0.985*** | ***<.0001*** |  | ***-*** | ***-*** | ***-*** |
| ***7005*** | ***Procedure Start Time*** | ***95.06%*** | ***0.999*** | ***<.0001*** |  | ***-*** | ***-*** | ***-*** |
| 7050 | Percutaneous Coronary Intervention (PCI) | 100.00% | NA | NA |  | 100.00% | NA | NA |
| ***7061*** | ***LVEF % (Diagnostic Left Heart Cath)*** | ***87.58%*** | ***0.988*** | ***<.0001*** |  | - | - | - |
| 7065 | Concomitant Procedures Performed | 89.99% | 0.8 | 0.758-0.842 |  | - | - | - |
| 7340 | Cardiac Arrest at this Facility | - | - | - |  | 97.88% | 0.958 | 0.938-0.977 |
| 7340 | Cardiac Arrest at this Facility | - | - | - |  | 97.88% | 0.958 | 0.938-0.977 |
| ***7512*** | ***Native Vessel Fractional Flow Reserve Ratio*** | ***98.95%*** | ***0.95*** | ***<.0001*** |  | ***97.63%*** | ***0.953*** | ***0.931-0.974*** |
| ***7512*** | ***Native Vessel Instantaneous Wave-Free Ratio*** | ***97.29%*** | ***0.591*** | ***<.0001*** |  | ***96.75%*** | ***0.935*** | ***0.910-0.960*** |
| 7415 | CV Instability Type: Persistent Ischemic Symptoms | 83.52% | 0.67 | 0.619-0.722 |  | 93.63% | 0.873 | 0.839-0.906 |
| 7415 | CV Instability Type: Hemodynamic instability | 95.94% | 0.919 | 0.891-0.946 |  | 98.63% | 0.973 | 0.956-0.989 |
| 7415 | CV Instability Type: Ventricular arrhythmia | 96.45% | 0.929 | 0.903-0.955 |  | 95.88% | 0.918 | 0.890-0.945 |
| 7415 | CV Instability Type: Cardiogenic Shock | 96.45% | 0.929 | 0.903-0.955 |  | - | - | - |
| 7415 | CV Instability Type: Acute HF Symptoms | 93.92% | 0.878 | 0.845-0.912 |  | - | - | - |
| 7422 | Mechanical Ventricular Support | 94.80% | 0.922 | 0.899-0.945 |  | - | - | - |
| 7424 | Mechanical Ventricular Support Timing | 99.24% | 0.99 | 0.982-0.998 |  | - | - | - |
| 7800 | PCI Status | 96.20% | 0.839 | 0.809-0.87 |  | 96.38% | 0.878 | 0.852-0.904 |
| 7825 | PCI Indication | 70.98% | 0.678 | 0.642-0.713 |  | 67.75% | 0.645 | 0.610-0.681 |
| ***7836*** | ***Subsequent ECG with STEMI or STEMI Equivalent Date*** | ***-*** | ***-*** | ***-*** |  | ***98.25%*** | ***1*** | ***p <.0001*** |
| ***7836*** | ***Subsequent ECG with STEMI or STEMI Equivalent Time*** | ***-*** | ***-*** | ***-*** |  | ***98.00%*** | ***1*** | ***p <.0001*** |
| 7841 | Patient Transferred in for Immediate PCI for STEMI | 98.10% | 0.975 | 0.962-0.987 |  | 97.38% | 0.963 | 0.948-0.978 |
| ***7845*** | ***First Device Activation Date*** | ***-*** | ***-*** | ***-*** |  | ***97.38%*** | ***1*** | ***p <.0001*** |
| ***7845*** | ***First Device Activation Time*** | ***-*** | ***-*** | ***-*** |  | ***93.38%*** | ***-0.01*** | ***0.9068*** |
| 8005 | Chronic Total Occlusion | 83.66% | -0.283 | -0.031 |  | - | - | - |
| 8012 | In-stent Thrombosis | 94.78% | -0.243 | -0.041 |  | - | - | - |
| ***6030*** | ***Pre-Hemoglobin*** | ***94.17%*** | ***0.973*** | ***<.0001*** |  | ***-*** | ***-*** | ***-*** |
| ***6050*** | ***Pre-Procedure Creatinine*** | ***93.41%*** | ***0.902*** | ***<.0001*** |  | ***-*** | ***-*** | ***-*** |
| ***8505*** | ***Post-Hemoglobin*** | ***93.54%*** | ***0.991*** | ***<.0001*** |  | ***87.50%*** | ***0.98*** | ***p <.0001*** |
| ***8510*** | ***Post-Creatinine*** | ***91.13%*** | ***0.912*** | ***<.0001*** |  | ***81.38%*** | ***0.996*** | ***p <.0001*** |
| 9002 | Stroke – Hemorrhage | 100.00% | NA | NA |  | - | - | - |
| 9003 | Stroke – Hemorrhage Date | 100.00% | 1 |   <.0001 |  | - | - | - |
| 9003 | Stroke – Hemorrhage Time | 100.00% | NA | NA |  | - | - | - |
| 9002 | Bleeding – Access Site | 99.11% | 0.982 | 0.969-0.995 |  | - | - | - |
| 9003 | Bleeding – Access Site Date | 99.11% | NA | NA |  | - | - | - |
| 9003 | Bleeding – Access Site Time | 98.99% | NA | NA |  | - | - | - |
| 9002 | Bleeding - Gastrointestinal (GI) | 99.75% | 0.995 | 0.988-1 |  | - | - | - |
| 9003 | Bleeding – Gastrointestinal (GI) Date | 99.75% | NA | NA |  | - | - | - |
| 9003 | Bleeding – Gastrointestinal (GI) Time | 99.49% | NA | NA |  | - | - | - |
| 9002 | Bleeding – Genitourinary (GU) | 100.00% | NA | NA |  | - | - | - |
| 9003 | Bleeding - Genitourinary (GU) Date | 100.00% | NA | NA |  | - | - | - |
| 9003 | Bleeding – Genitourinary (GU) Time | 100.00% | NA | NA |  | - | - | - |
| 9002 | Bleeding - Hematoma at Access Site | 99.24% | 0.985 | 0.973-0.997 |  | - | - | - |
| ***9003*** | ***Bleeding – Hematoma at Access Site Date*** | ***99.24%*** | ***1*** | ***<.0001*** |  | - | - | - |
| ***9003*** | ***Bleeding – Hematoma at Access Site Time*** | ***98.99%*** | ***1*** | ***<.0001*** |  | - | - | - |
| 9002 | Bleeding – Other | 99.24% | 0.985 | 0.973-0.997 |  | - | - | - |
| 9003 | Bleeding – Other Date | 99.24% | NA | NA |  | - | - | - |
| 9003 | Bleeding – Other Time | 99.24% | NA | NA |  | - | - | - |
| 9002 | Bleeding – Retroperitoneal | 99.87% | 0.997 | 0.993-1 |  | - | - | - |
| 9003 | Bleeding – Retroperitoneal Date | 99.87% | NA | NA |  | - | - | - |
| 9003 | Bleeding – Retroperitoneal Time | 99.75% | NA | NA |  | - | - | - |
| 9275 | Packed Red Blood Cell Transfusion | 99.49% | 0.99 | 0.98-1 |  | - | - | - |
| 9002 | Stroke – Hemorrhage | - | - | - |  | 99.75% | 0.995 | 0.988-1.000 |
| 9003 | Stroke – Hemorrhage Date | - | - | - |  | 99.75% | NA | NA |
| 9003 | Stroke – Hemorrhage Time | - | - | - |  | 99.75% | NA | NA |
| 9002 | Stroke – Ischemic | - | - | - |  | 99.38% | 0.988 | 0.977-0.998 |
| 9003 | Stroke – Ischemic Date | - | - | - |  | 99.00% | NA | NA |
| 9003 | Stroke – Ischemic Time | - | - | - |  | 98.88% | NA | NA |
| 9002 | Stroke – Undetermined | - | - | - |  | 100.00% | NA | NA |
| 9003 | Stroke – Undetermined Date | - | - | - |  | 100.00% | NA | NA |
| 9003 | Stroke – Undetermined Time | - | - | - |  | 100.00% | NA | NA |
| 9002 | Other Vascular Complications Requiring Treatment | - | - | - |  | 99.88% | 0.998 | 0.993-1.000 |
| 9003 | Other Vascular Complications Requiring Treatment Date | - | - | - |  | 99.88% | NA | NA |
| 9003 | Other Vascular Complications Requiring Treatment Time | - | - | - |  | 99.88% | NA | NA |
| 9002 | New Requirement for Dialysis | 99.75% | 0.995 | 0.988-1 |  | - | - | - |
| ***9003*** | ***New Requirement for Dialysis Date*** | ***99.49%*** | ***1*** | ***<.0001*** |  | - | - | - |
| ***9003*** | ***New Requirement for Dialysis Time*** | ***98.86%*** | ***-0.734*** | ***0.0602*** |  | - | - | - |
| 9277 | Transfusion PCI (within 72 hours) | - | - | - |  | 98.88% | 0.978 | 0.963-0.992 |
| 10105 | Discharge Status | 99.87% | 0.997 | 0.993-1 |  | 99.88% | 0.998 | 0.993-1.000 |
| 10110 | Discharge Location | 98.73% | 0.985 | 0.976-0.994 |  | 98.63% | 0.984 | 0.975-0.993 |
| 10115 | Hospice Care | - | - | - |  | 99.88% | 0.972 | 0.958-0.985 |
| 10205 | Aspirin at Discharge | - | - | - |  | 96.63% | 0.892 | 0.868-0.917 |
| 10205 | Clopidogrel at Discharge | - | - | - |  | 96.88% | 0.895 | 0.871-0.919 |
| 10205 | Prasugrel at Discharge | - | - | - |  | 98.50% | 0.919 | 0.898-0.940 |
| 10205 | Ticagrelor at Discharge | - | - | - |  | 96.75% | 0.898 | 0.875-0.921 |
| 10205 | Statin at Discharge | - | - | - |  | 96.63% | 0.897 | 0.873-0.920 |
| 10205 | Ticlopidine at Discharge | - | - | - |  | 99.25% | 0.925 | 0.904-0.946 |
| 2060 | Sex | Audit results pending |
| 4615 | Hypertension  | Audit results pending |
| 4651 | Canadian Study of Health and Aging (CSHA) Clinical Frailty Scale | Audit results pending |
| 6016 | Systolic Blood Pressure | Audit results pending |
| 7540 | Valvular Disease Stenosis Type | Audit results pending |
| 7451 | Valvular Disease Stenosis Severity | Audit results pending |
| 7508 | Native Coronary Vessel Stenosis | Audit results pending |
| 7810 | Level of Consciousness (PCI Procedure) | Audit results pending |
| 7816 | Cardiovascular Treatment Decision | Audit results pending |
| 7850 | Patient Centered Reason for Delay in PCI | Audit results pending |
| 8001 | Native Lesion Segment Number | Audit results pending |
| 9275 | Packed Red Blood Cell Transfusion | Audit results pending |
| 9277 | Transfusion PCI | Audit results pending |
| 9278 | Transfusion Surgery | Audit results pending |
| 10075 | Comfort Measures Only | Audit results pending |
| 10116 | Cardiac Rehabilitation Referral | Audit results pending |