UNITE - Unified NSTEMI Treatment for Everyone

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Problem/Impact Statement

Over the last two years, MMP MaineHealth Cardiology has worked to standardize and improve the quality of care for patients experiencing a Non-ST Elevated Myocardial Infarction (NSTEMI). This work has included the development and implementation of an inpatient care pathway, which incorporates a number of electronic tools in EPIC, to be used throughout the episode of care. These tools include an NSTEMI order set and the Grace 2.0 Calculator, which is used to risk stratify NSTEMI patients based on their probability of in-hospital, 6-month and 3-year mortality. In addition, this project has seen the launch of a national cardiac data registry, the rollout of standard pathways for post acute care in partnering SNFs, and the creation of a suite of educational materials for both providers and patients.

Baseline Metrics/Current State

All NSTEMI patients treated at MMC including:

- Type I- True plaque rupture with thrombosis at the site of the plaque
- Type II- Supply demand mismatch in the setting of fixed/stable plaque

Scope

UNITE - Unified NSTEMI Treatment for Everyone
Interdisciplinary Team of Clinicians and Administrators Lead by Dr. James Powers

Goal/Objective

The focus this year for the robust NSTEMI program was around building reports to track utilization of the tools that were developed and use this data to improve compliance.
- The goal was to work with Enterprise Reporting to build compliance reports to track utilization of pathway components (Order Set, GRACE 2.0 Calculator, SUR1 case request, AVS, Nurse Education tool, and Discharge Summary-EPIC ACS Quality Compliance tool) by end of FY20.

Plan

Countermeasures

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<thead>
<tr>
<th>By When &amp; Status</th>
<th>Who</th>
<th>Deliverable</th>
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<tbody>
<tr>
<td>End Q1</td>
<td></td>
<td>1. Support 10/2/2019 Pathway Launch</td>
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<td>2. Socialize new tools with PBMC and SMHC</td>
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<td>End Q2</td>
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<td>Work with Enterprise Reporting team to build reports to track utilization of pathway components (Order Set, GRACE Calculator, SUR1 case request, AVS, and Discharge Summary-EPIC ACS Quality Compliance tool)</td>
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<tr>
<td>End Q3</td>
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<td>Work with Enterprise Reporting team to build reports to track utilization of pathway components (Order Set, GRACE Calculator, SUR1 case request, AVS, and Discharge Summary-EPIC ACS Quality Compliance tool)</td>
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<tr>
<td>End Q4</td>
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<td>Work with Enterprise Reporting team to build reports to track utilization of pathway components (Order Set, GRACE Calculator, SUR1 case request, AVS, and Discharge Summary-EPIC ACS Quality Compliance tool)</td>
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Outcomes

UNITE Data Dashboard in EPIC:
- Tracks outcome summaries including NSTEMI Length of stay and 10, 30, 90 day all cause readmissions.
- Tracks NSTEMI In-Hospital Mortality Rate

UNITE Discharge Compliance Scorecard in EPIC:
- This scorecard tracks Acute Coronary Syndrome discharges from Maine Medical Center, highlighting key guideline directed patient care metrics, based on the treatment pathway. These include discharge on appropriate medication therapy, tobacco cessation education, assessment of left ventricular ejection fraction, and referral to cardiac rehab. This report is also able to drill down based on discharging provider.

Next Steps

- Implement strategies to standardize the use of all NSTEMI tools created.
- Build a culture that adopts the use of the dashboard and scorecard, while implementing improvement processes as identified by data review.
- Share and implement these tools in other MaineHealth hospitals.