



Systems of Care

AN ACC CLINICAL TOOLKIT

SAMPLE REGIONAL REPORT ELEMENTS (AMI) – TEMPLATE

The RTSCC may utilize reports from several different clinical registries, typically one for each TSC area. Typically, these reports are designed for a particular hospital rather than for an entire community or region that includes multiple hospitals and EMS services. Results from multiple hospitals and EMS agencies will need to be aggregated to generate system level reports. However, some of the national registries offer regional reports suited to RTSCCs. As an example, the Chest Pain – MI Registry offers state and regional reports on AMI patients with breakdowns by STEMI, and NSTEMI cases.

The following report elements are an example of what might be included the STEMI section of a RTSCC report.

- Composite Measures
 - Overall AMI performance composite
 - Overall defect free care
 - STEMI performance composite
- Fibrinolytic Patients - STEMI
 - Proportion of patients who received fibrinolytics from those who met eligibility criteria for fibrinolytics
 - Proportion of patients given fibrinolytics that received them within 30 minutes of initial hospital arrival
 - Median time from ED first medical contact to fibrinolytics administered
 - Median time from EMS first medical contact to fibrinolytics administered
 - Median time from symptom onset to fibrinolytics administered
- Primary PCI Patients – Transfers - STEMI
 - Proportion of patients with first medical contact to primary PCI within 120 minutes (Ambulance and direct presenters)
 - Median time from first medical contact to primary PCI (Ambulance and direct presenters)
 - Median time from ambulance first medical contact to primary PCI
 - Median time from ED first medical contact to primary PCI
 - Median time from ED first medical contact at STEMI referral facility to ED discharge from STEMI referral facility in patients transferred for PCI (door in – door out)
 - Median time from symptom onset to primary PCI



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- Primary PCI Patients – Non-Transfer - STEMI
 - Proportion of patients with first medical contact to primary PCI within 90 minutes (ambulance and direct presenters)
 - Proportion of patients with ambulance first medical contact to primary PCI within 90 minutes
 - Proportion of patients with ED first medical contact to primary PCI within 90 minutes
 - Median time from first medical contact to primary PCI (ambulance and direct presenters)
 - Median time on STEMI patients from ambulance first medical contact to primary PCI for STEMI patients
 - Median time on STEMI patients from ED first medical contact to primary PCI for STEMI patients
 - Median time from symptom onset to primary PCI
- % STEMI patients arriving via ambulance with a prehospital 12 lead ECG
- EMS STEMI Alerts - Overcall rate
- EMS STEMI Alerts - Undercall rate
- STEMI - In-hospital risk adjusted mortality (all patients)
 - STEMI - In-hospital risk adjusted mortality (including patients with cardiac arrest)
 - STEMI - In-hospital risk adjusted mortality (excluding patients with cardiac arrest)
- STEMI - Median time from first medical contact to 12 lead ECG (ambulance and direct presenters)
 - Median time from ambulance first medical contact to 12 lead ECG
 - Median time from ED first medical contact to 12 lead ECG