

**Time Critical Diagnosis ST Segment Elevation Myocardial
Infarction (STEMI) Center Registry Data Elements**

The following data elements shall be entered into the STEMI registry by Level I, II, III and IV STEMI centers pursuant to 19 CSR 30-40.760.

Level I and II STEMI Centers	Only For Level III STEMI Centers which are Performing Percutaneous Coronary Interventions (PCIs) (Only on Patients Receiving Percutaneous Coronary Interventions (PCIs)) ¹	Level III STEMI Centers which are not performing Percutaneous Coronary Interventions (PCIs) and Level IV STEMI Centers
Date	Date	Date
First, middle and last name	First, middle and last name	First, middle and last name
Date of Birth	Date of Birth	Date of Birth
Social Security Number	Social Security Number	Social Security Number
Destination/Transferred to Primary Facility Secondary Facility	Destination/Transferred to Primary Facility Secondary Facility	Destination/Transferred to Primary Facility Secondary Facility
Emergency Medical Service (EMS) Service	Emergency Medical Service (EMS) Service	Emergency Medical Service (EMS) Service
Patient Zip Code	Patient Zip Code	Patient Zip code
Race	Race	Race
Hispanic or Latino Ethnicity	Hispanic or Latino Ethnicity	Hispanic or Latino Ethnicity
Gender	Gender	Gender
Admit Source (Emergency Department (ED) versus transfer from another facility)	Admit Source (Emergency Department (ED) versus transfer from another facility)	
Admit Diagnosis	Admit Diagnosis	International Classification of diseases, Ninth Revision (ICD-9) Principal Diagnosis
Discharge Diagnosis	Discharge Diagnosis	International Classification of diseases, Ninth Revision (ICD-9) Other Diagnosis
Cardiogenic Shock at time of presentation	Cardiogenic Shock at time of presentation	
Heart Failure at time of presentation	Heart Failure at time of presentation	
Myocardial Infarction at time of presentation	Myocardial Infarction at time of presentation	
Cocaine Use at time of presentation	Cocaine Use at time of presentation	
Illicit Drug Use at time of	Illicit Drug Use at time of	

¹ Level III STEMI Centers which perform Percutaneous Coronary Interventions (PCIs) shall only enter data in the middle column if the patient(s) the Level III STEMI Center is entering data about received a Percutaneous Coronary Intervention (PCI) at that Level III STEMI Center. If the patient(s) did not receive Percutaneous Coronary Interventions (PCIs) at that Level III STEMI Center, then the Level III STEMI Center which performs Percutaneous Coronary Interventions (PCIs) shall enter data in the right column for those patients.

presentation	presentation	
Cardiac Arrest at time of presentation, pre-hospital, outside facility	Cardiac Arrest at time of presentation, pre-hospital, outside facility	
Heart Rate	Heart Rate	Heart Rate
Systolic Blood Pressure	Systolic Blood Pressure	Systolic Blood Pressure
Medications		
Aspirin at arrival	Aspirin at arrival	Aspirin at arrival
Aspirin at Discharge	Aspirin at Discharge	
Ace Inhibitor/Angiotensin II Receptor Blocker at Discharge	Ace Inhibitor/Angiotensin II Receptor Blocker at Discharge	
Beta Blocker at Discharge	Beta Blocker at Discharge	
Acute Oral Antiplatelet	Acute Oral Antiplatelet	
Adenosine Dephosphate Receptor Inhibitor (ADP) receptor at arrival	Adenosine Dephosphate Receptor Inhibitor (ADP) receptor at arrival	
Adenosine Dephosphate Receptor Inhibitor (ADP) receptor at Discharge	Adenosine Dephosphate Receptor Inhibitor (ADP) receptor at Discharge	
Aldosterone Blocker at Discharge	Aldosterone Blocker at Discharge	
Acute Beta Blocker	Acute Beta Blocker	Acute Beta Blocker
Acute Ace Inhibitor/Angiotensin II Receptor Blocker	Acute Ace Inhibitor/Angiotensin II Receptor Blocker	Acute Ace Inhibitor/Angiotensin II Receptor Blocker
Anticoagulant	Anticoagulant	
Glycoprotein IIb/IIIa Inhibitor	Glycoprotein IIb/IIIa Inhibitor	
Fibrinolytic administered	Fibrinolytic administered	Fibrinolytic administered
Statin	Statin	
Co-morbidities		
Hypertension	Hypertension	
Pulmonary Artery Disease	Pulmonary Artery Disease	
Weight	Weight	
Height	Height	
Body Mass Index (BMI)	Body Mass Index (BMI)	
Dyslipidemia	Dyslipidemia	
Smoker	Smoker	
Prior Stroke	Prior Stroke	
Cerebrovascular Accident (CVA)/Cerebral Vascular Disease	Cerebrovascular Accident (CVA)/Cerebral Vascular Disease	
Current Dialysis	Current Dialysis	
Chronic Lung Disease	Chronic Lung Disease	
Prior Myocardial Infarction (MI)	Prior Myocardial Infarction (MI)	
Prior Heart Failure	Prior Heart Failure	
Prior Percutaneous Coronary Intervention (PCI)	Prior Percutaneous Coronary Intervention (PCI)	
Prior Coronary Artery Bypass Graft (CABG)	Prior Coronary Artery Bypass Graft (CABG)	

Prior valve surgery	Prior valve surgery	
Family history of premature Coronary Artery Disease (CAD)	Family history of premature Coronary Artery Disease (CAD)	
Atrial fibrillation/flutter (optional)	Atrial fibrillation/flutter (optional)	
Pacer/Internal Cardiac Defibrillator (optional)	Pacer/Internal Cardiac Defibrillator (optional)	
Persistent symptoms of ischemia	Persistent symptoms of ischemia	
Process		
Level of STEMI center for first facility	Level of STEMI center for first facility	
Location of 1 st Evaluation (Emergency Department, In-Patient, Field)	Location of 1 st Evaluation (Emergency Department, In-Patient, Field)	Location of 1 st Evaluation (Emergency Department, In-Patient, Field)
Electrocardiogram (ECG)	Electrocardiogram (ECG)	Electrocardiogram (ECG)
Initial Electrocardiogram (ECG) Interpretation	Initial Electrocardiogram (ECG) Interpretation	Initial Electrocardiogram (ECG) Interpretation
Patient transferred for Percutaneous Coronary Intervention (PCI)	Patient transferred for Percutaneous Coronary Intervention (PCI)	
Means of transfer	Means of transfer	
Patient transferred for Coronary Artery Bypass Graft (CABG)	Patient transferred for Coronary Artery Bypass Graft (CABG)	Probable Cardiac Chest Pain
Emergency Department (ED) presentation at referring facility	Emergency Department (ED) presentation at referring facility	Transfer for acute coronary intervention
Means of transport to first facility	Means of transport to first facility	
Non-system reason for delay to Percutaneous Coronary Intervention (PCI)	Non-system reason for delay to Percutaneous Coronary Intervention (PCI)	
Clinical Trial	Clinical Trial	
Comfort Measures	Comfort Measures	
Low-density Lipoprotein (LDL) less than 100	Low-density Lipoprotein (LDL) less than 100	
Left Ventricular Systolic Dysfunction	Left Ventricular Systolic Dysfunction	
Party which activates the hospital STEMI team	Party which activates the hospital STEMI team	
Non-system reason for delay in lytic therapy	Non-system reason for delay in lytic therapy	Reason for delay in lytic therapy
Reason no Ace Inhibitor/Angiotensin II Receptor Blocker at discharge	Reason no Ace Inhibitor/Angiotensin II Receptor at discharge	
Reason no aspirin at arrival	Reason no aspirin at arrival	Reason for no aspirin at arrival
Reason no aspirin at discharge	Reason no aspirin at discharge	
Reason no Beta Blocker at discharge	Reason no Beta Blocker at discharge	
Reason no Statin at discharge	Reason no Statin at discharge	
	Time	

Arrival Date and Time at Cardiovascular (CV) lab	Arrival Date and Time at Cardiovascular (CV) lab	Out-Patient Encounter Date/Arrival time
Arrival at outside facility date and time	Arrival at outside facility date and time	
Symptom Onset Date and Time	Symptom Onset Date and Time	Symptom Onset Date and Time
Symptom Time estimated	Symptom Time estimated	Symptom Time estimated
First medical contact date and time	First medical contact date and time	First medical contact date and time
First Electrocardiogram (ECG) Date and Time	First Electrocardiogram (ECG) Date and Time	First Electrocardiogram (ECG) Date and Time
STEMI or STEMI equivalent first noticed	STEMI or STEMI equivalent first noticed	STEMI or STEMI equivalent first noticed
Fibrinolytic administered	Fibrinolytic administered	Fibrinolytic administered
Fibrinolytic Date and Time	Fibrinolytic Date and Time	Fibrinolytic Date and Time
Thrombolytic non-system delay	Thrombolytic non-system delay	Thrombolytic non-system delay
First door in; first door out	First door in; first door out	Reason for not administering a fibrinolytic
Cardiovascular (CV) Lab yes/no level	Cardiovascular (CV) Lab yes/no level	
First device Date and Time	First device Date and Time	
Coronary Artery Bypass Graft (CABG) Date and Time	Coronary Artery Bypass Graft (CABG) Date and Time	
Discharge Date	Discharge Date	Discharge Date and Time
Discharge Status	Discharge Status	Discharge Status
Procedure		
Reperfusion strategy – thrombolytics, Percutaneous Coronary Intervention (PCI), Coronary Artery Bypass Graft (CABG) or not revascularized and reason	Reperfusion strategy – thrombolytics, Percutaneous Coronary Intervention (PCI), Coronary Artery Bypass Graft (CABG) or not revascularized and reason	
STEMI or STEMI equivalent	STEMI or STEMI equivalent	
Patient is reperfusion candidate?	Patient is reperfusion candidate?	
International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9- CM) Principal Procedural Code	International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9- CM) Principal Procedural Code	
Percutaneous Coronary Intervention (PCI) Indication	Percutaneous Coronary Intervention (PCI) Indication	
Non-primary Percutaneous Coronary Intervention (PCI)	Non-primary Percutaneous Coronary Intervention (PCI)	
Primary Percutaneous Coronary Intervention (PCI)	Primary Percutaneous Coronary Intervention (PCI)	
Reason for delay in Percutaneous Coronary Intervention (PCI)	Reason for delay in Percutaneous Coronary Intervention (PCI)	

Labs		
Troponin – initial and peak	Troponin – initial and peak	
Pre & Post Creatine Kinase	Pre & Post Creatine Kinase	
Lipids	Lipids	
Pre & Post hemoglobin	Pre & Post hemoglobin	
Hemoglobin A1c	Hemoglobin A1c	
Creatinine	Creatinine	
In hospital Clinical Events		
Unadjusted mortality rate	Unadjusted mortality rate	
Risk Adjusted Mortality	Risk Adjusted Mortality	
Cardiogenic Shock developed after STEMI	Cardiogenic Shock developed after STEMI	
Cardiac Arrest	Cardiac Arrest	
Heart Failure developed after STEMI	Heart Failure developed after STEMI	
Stroke developed after STEMI	Stroke developed after STEMI	
Vascular Access Site Injury	Vascular Access Site Injury	
Emergent Coronary Artery Bypass Graft (CABG) due to complication from STEMI or Percutaneous Coronary Intervention (PCI)	Emergent Coronary Artery Bypass Graft (CABG) due to complication from STEMI or Percutaneous Coronary Intervention (PCI)	
Post Procedure Care		
Cardiac Rehab Referral	Cardiac Rehab Referral	
Smoking Cessation Advice	Smoking Cessation Advice	
Dietary Modification	Dietary Modification	
Exercise Counseling	Exercise Counseling	
Medication Education	Medication Education	
Performance Improvement		
The time from first medical contact or pre-hospital Electrocardiogram (ECG) STEMI identification to hospital door to device or balloon time	The time from first medical contact or pre-hospital Electrocardiogram (ECG) STEMI identification to hospital door to device or balloon time	
Time from first medical contact or pre-hospital Electrocardiogram (ECG) STEMI identification to hospital door or needle time (thrombolytic administration time)	Time from first medical contact or pre-hospital Electrocardiogram (ECG) STEMI identification to hospital door or needle time (thrombolytic administration time)	Time from first medical contact or pre-hospital Electrocardiogram (ECG) STEMI identification to hospital door or needle time (thrombolytic administration time)
Did the STEMI patient present within the treatment window for percutaneous coronary interventions and/or thrombolytic administration	Did the STEMI patient present within the treatment window for percutaneous coronary interventions and/or thrombolytic administration	Did the STEMI patient present within the treatment window for percutaneous coronary interventions and/or thrombolytic administration
Is this a STEMI patient	Is this a STEMI patient	Is this a STEMI patient

If eligible, was the STEMI patient treated with percutaneous coronary intervention and/or thrombolytic	If eligible, was the STEMI patient treated with percutaneous coronary intervention and/or thrombolytic	If eligible, was the STEMI patient treated with percutaneous coronary intervention and/or thrombolytic
If a STEMI, is the patient eligible for Percutaneous Coronary Intervention (PCI) and/or thrombolytic	If a STEMI, is the patient eligible for Percutaneous Coronary Intervention (PCI) and/or thrombolytic	If a STEMI, is the patient eligible for Percutaneous Coronary Intervention (PCI) and/or thrombolytic
Time to operating room from STEMI patient presentation at receiving STEMI center		