



Arizona Quality Assurance Tool Box

ST-Segment Elevation Myocardial Infarction

Notes for EMS Agency PI Coordinator:

The following data element list originates from the [Arizona Data Dictionary](#) that was developed by the [EMS Registry Users Group](#). While each agency may review additional data, we encourage you to analyze these measures on a quarterly basis. Additionally, [state reports](#) allow EMS agencies the opportunity to benchmark their performance against the aggregate.

This report analyzes four performance measures:

1. Reduce the length of time between important time intervals following dispatch,
2. Reduce the length of time from arrival on scene until a 12-lead ECG is acquired,
3. Increase the documentation related to pain management for STEMI patients,
4. Increase the frequency of STEMI patients that receive prehospital administration of aspirin and O² therapy, and
5. Increase the frequency of STEMI patients that are transported to a cardiac receiving center.

STEMI Data Set	The time intervals of unit notification, unit en route, unit arrival on scene, and unit transfer of care	E05_04: Unit Notified by Dispatch Date/Time E05_06: Patient Contact Date/Time E05_09: Unit Left Scene Date/Time E05_08: Transfer of Patient Care Date/Time
	The difference between time unit arrives on scene and the time that 12-lead ECG was obtained	E05_06: Unit Arrived on Scene Date/Time E19_01: Date/Time Procedure Performed Successfully E19_03: Procedure E14_03: Cardiac Rhythm
	The date and time that the 12-lead ECG was transmitted to the receiving facility and/or the date and time the facility was notified of the results of the 12-lead ECG	E19_01: Date/Time Procedure Performed Successfully IT5_71: Receiving Hospital Contacted Date/Time (for STEMI or STROKE)
	Documentation of the administration of pain medication (unless contraindicated)	E18_03: Medication Given E18_01: Date/Time Medication Administered E12_08: Medication Allergies E18_02: Medication Administered Prior to this Unit's EMS Care E12_14: Current Medication
	Documentation of the administration of aspirin (unless contraindicated)	E18_03: Medication Given E18_01: Date/Time Medication Administered E12_08: Medication Allergies E18_02: Medication Administered Prior to this Unit's EMS Care E12_14: Current Medication
	Documentation of the administration of O ² (unless contraindicated)	E18_03: Medication Given E19_03: Procedure E14_13: End-tidal or Other CO₂ level
	Is the receiving hospital a cardiac receiving center?	E20_01 – Destination/Transferred to, Name E20_16 - Reason for Choosing Destination