

	COUNTY OF SACRAMENTO EMERGENCY MEDICAL SERVICES AGENCY	Document #	2527.03
	PROGRAM DOCUMENT: STEMI System Data Elements	Initial Date:	01/03/19
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 EMS Medical Director

 EMS Administrator

Purpose:

- A. To standardize data elements collected using **Get With The Guidelines – Coronary Artery Disease (GWTG-CAD) data registry** from designated STEMI Receiving Centers and Prehospital ALS Providers to monitor, review, and improve the delivery of STEMI care services.

Authority:

- A. California Health and Safety Code, Division 2.5
- B. California Code of Regulations, Title 22, Division 9

Definitions:

- A. SCEMSA: Sacramento County Emergency Medical Services Agency.
- B. STEMI Receiving Center (SRC): A hospital **designated by SCEMSA** that meets the minimum hospital STEMI care requirements and is able to perform primary Percutaneous Coronary Intervention (**PCI**).
- C. STEMI Referring Hospital (SRH): A licensed general acute care facility that lacks PCI capability and transfers STEMI patients to SRCs for PCI.

Policy:

- A. **SCEMSA uses** ~~has~~ a standardized data collection and reporting process for the Sacramento County STEMI Critical Care System.
 - a. Prehospital STEMI patient care elements selected by SCEMSA are compliant with the most current version of the California EMS Information Systems (CEMSIS) database, and the National EMS Information System (NEMSIS).
 - b. Hospital STEMI patient care data elements selected by SCEMSA are compliant with the **GWTG-CAD data registry. National Cardiovascular Data Registry (NCDR).**
- B. All Prehospital **Advanced Life Support (ALS)** Providers and STEMI Receiving Centers (SRC) shall participate in the SCEMSA data collection process.
- C. SCEMSA will extract the EMS elements from the **Inland Counties Emergency Medical Agency (ICEMA)** database, and hospitals shall submit their data elements at least **monthly quarterly**. Data elements to be included for **monthly quarterly** submission to include (but are not limited to) the following:

Data Management:

A. Prehospital (EMS)

1. Agency
2. Response Unit
3. EMS ePCR Number
4. Facility/Code
5. Name: Last, First
6. Date of Birth
7. Patient Age
8. Patient Gender
9. Patient Race
10. Hospital Arrival Date
11. Hospital Arrival Time
12. Dispatch Date
13. Dispatch Time
14. Arrival at patient side time
15. Field ECG Performed (eProcedures.03)
16. ECG Date/Time (EProcedures.01)
17. Did the patient suffer out-of hospital cardiac arrest?
18. ASA Given ? (eMedications.03)
19. Destination STEMI Team Pre-arrival Activation (eDisposition.24) [Yes/No]

B. PCI Centers:

1. Facility
2. Name: Last, First
3. Date of Birth
4. Patient Age
5. Patient Gender
6. Patient Race
7. If arrival by EMS, was there a Pre-hospital STEMI alert notification (Y/N)
8. Time of Pre-hospital STEMI alert notification (TIME or Y/N)
9. If advanced notification by EMS, what time was the Cath Lab team activated prior to patient arrival
10. Was a field ECG Performed (Y/N)
11. Cath Lab Activated (Y/N)
12. Cath Lab Activation Date
13. Cath Lab Activation time
14. PCI Performed (Y/N)
15. PCI Date
16. PCI Time
17. Non System Reason for Delay PCI
18. Fibrinolytic Infusion (Y/N)
19. Fibrinolytic Infusion Date
20. Fibrinolytic Infusion Time
21. Transfer from another facility (SRH) (Y/N)
22. SRH arrival date
23. SRH arrival timeTime

24. SRH ED Departure Date
 25. SRH ED Departure Time
 26. Hospital Discharge Date
 27. Discharge location
 28. Primary and Secondary Discharge Diagnosis
- C. STEMI System Data Elements:
1. Total number of STEMIs treated
 2. Number of STEMI patients transferred for PCI from SRHs
 3. Number and percent of emergency department STEMI patients arriving by private transport (Non-EMS)

Cross Reference: PD# 2522 – Electronic Health Care Record and Data Policy