



# Specialty Care Update

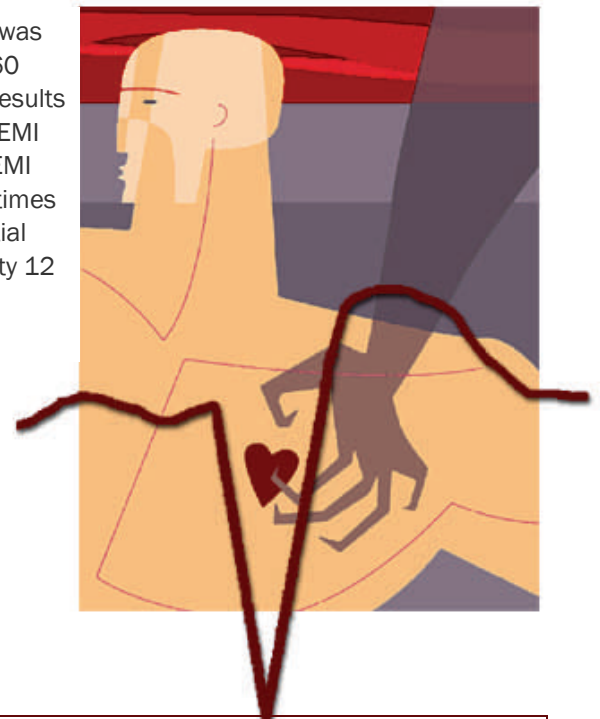
*San Luis Obispo County's Source for Trauma & STEMI News*

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## New STEMI System: A Look at the First 60 Days

The San Luis Obispo County STEMI System was implemented on August 1, 2010. The first 60 days of data have demonstrated excellent results with a positive impact on the care of the STEMI patient. With the implementation of the STEMI System prehospital contact to intervention times have been reduced significantly. A substantial part of the success is due to excellent quality 12 lead ECG tracings—keep up the great work!



### Two Month Data Comparison August & September 2009 with August & September 2010

Prehospital	2009	2010
Chest Pain Protocol Used	130	123
12-Leads Performed	238	394
STEMI Alert	9	13
False Positive Activations	Not Available	3

### Average Times (Minutes)

Prehospital Performance Criteria	Local Benchmarks	2009	2010
Scene Time	<15	14	13.5
911 Call to Patient Contact	<10 (*)	8	7.5
Prehospital Patient Contact to 12-Lead ECG	<10	8	9.5
12-Lead ECG to Notification of 1st Hospital (2009) or SRC (2010)	<5	7	4
Patient Contact to Arrival at 1st Hospital (2009) or SRC (2010)	<30	22	27.5
Hospital Performance Criteria	National Benchmarks	2009	2010
Prehospital Patient Contact to Hospital Intervention (**)	<90	107 (***)	54.5
ED Arrival to Hospital Intervention	<90 min 75% of the time	Not Available	33

(\*) Ambulance response times: SLO County EMSA requirement; Urban=10 minutes; Rural=20 minutes; and Remote=30 minutes.

(\*\*) Intervention = opening of the lesion most commonly with PCI

(\*\*\*) One call identified by prehospital as STEMI and transferred to TCCH with a transfer from TCCH stating "old MI" and transfer was for diagnostic reasons. If this call were removed, from the data the average 2009 Prehospital Contact to Intervention time would be 77 minutes.

***CORRECT DOCUMENTATION OF  
TIMES IS IMPORTANT!***

*Enter time from 12 lead strip to  
document ECG reading time.*

## What is a STEMI Alert?

### Clarification/Policy Update

As of **December 1, 2010** a clarification for patients that have a return of spontaneous circulation (ROSC) has been added to the policy to state that **there should be a 12 lead ECG either pre or post arrest demonstrating **\*\*Acute MI Suspected\*\*** to activate a STEMI Alert.**

## Welcome !

### *French Hospital Medical Center STEMI QI Coordinator*

Mary Lisenby, RN., is the new STEMI QI Coordinator at FHMC. She will be providing STEMI data support and feedback on STEMI patients to the appropriate parties. If you would like someone else to be the contact person for your agency, please email Mary with their contact information. Mary's email is [mary.lisenby@chw.edu](mailto:mary.lisenby@chw.edu)

## Public Education—STEMI

### *What Can You Do?*

Over 50% of STEMI patients are transporting themselves to a hospital. Educate your family, friends and community to utilize 911 when signs of a heart attack occur. National data shows a much earlier intervention time when 911 is used, thus reducing cardiac damage and improving patient outcomes.

## When to Activate the STEMI Alert

As a reminder when determining a STEMI Alert, be sure of the following:

- The 12 lead ECG is free of artifact—*good skin preparation is a must*
- A 12 lead ECG reading of:
  - \*\*\*Acute MI Suspected\*\*\*
  - or
  - ROSC with pre or post arrest 12 lead ECG reading of \*\*\*Acute MI Suspected\*\* \*
- Make EARLY contact with SRC

Note: All other ECG readings and/or chest pain patients are to be transported to the nearest hospital.

## Trauma System Update

SLO County EMS Agency Trauma System development moves forward:

- The State EMS Authority approved the Trauma Plan in July 2010.
- Letter of intent, Sierra Vista Regional Medical Center submitted.
- The EMS Agency developed a timeline moving towards designation and implementation.

February 2011	Completed applications due
April 1, 2011	Review of applications
April 2011	Site visits scheduled
May 2011	Site visit reports due
June 2011	Trauma Advisory Subcommittee review
July 2011	EMCC review and LEMSA designation
July 2011	Contract authorized by Board of Supervisors
September 2011	Paramedic training /hospital orientations completed
October 2011	Implementation of Trauma System

## Our New Contact Information!

**San Luis Obispo County EMS Agency**

**Phone: 805-788-2511 Fax: 805-788-2517**

**2156 Sierra Way, San Luis Obispo, CA 93401**

## Thank You!

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