



# AGENDA



## SAN BERNARDINO COUNTY EMERGENCY MEDICAL CARE COMMITTEE

**September 15, 2016**

**0900**

**ICEMA  
Training Rooms A & B  
1425 South "D" Street  
San Bernardino, CA 92408**

Purpose: Information Sharing

Meeting Facilitator: Jim Holbrook

Timekeeper: Tom Lynch

Record Keeper: Jacquie Martin

	<b>AGENDA ITEM</b>	<b>PERSON(S)</b>	<b>DISCUSSION/ACTION</b>
I.	CALL TO ORDER	Jim Holbrook	
II.	APPROVAL OF MINUTES	Jim Holbrook	Action
III.	DISCUSSION/ACTION ITEMS		
	A. ICEMA Updates 1. EMS Data Collection	Tom Lynch	Discussion
	B. ICEMA Medical Director Updates	Dr. Vaezazizi	Discussion
	C. APOD	Tom Lynch	Discussion
	D. Update on Comments from Workshop on EMS System	Tom Lynch	Discussion
	E. 2015 Annual Report - 2 <sup>nd</sup> Reading	Jim Holbrook	Discussion/Action
	F. Ground Emergency Medical Transport (GEMT)	John Gillison	Discussion
IV.	EMS SYSTEM MANAGEMENT REPORTS <ul style="list-style-type: none"> <li>• Trauma Reports - Annually</li> <li>• Base Hospital Statistics - Quarterly</li> <li>• Hospital Bed Delay Reports - Monthly</li> </ul> Reports available at: <a href="http://www.sbcounty.gov/ICEMA/sbcounty_reports.aspx">http://www.sbcounty.gov/ICEMA/sbcounty_reports.aspx</a>		Information
V.	PUBLIC COMMENT PERIOD		
VI.	REQUESTS FOR AGENDA ITEMS		
VII.	NEXT MEETING DATE: <b>November 17, 2016</b>		
VIII.	ADJOURNMENT		

*The San Bernardino County Emergency Medical Care Committee (EMCC) meeting facility is accessible to persons with disabilities. If assistive listening devices or other auxiliary aids or services are needed in order to participate in the public meeting, requests should be made through the Inland Counties Emergency Medical Agency at least three (3) business days prior to the EMCC meeting. The telephone number is (909) 388-5823, and office is located at 1425 South "D" Street, San Bernardino, CA.*



# MINUTES



## SAN BERNARDINO COUNTY EMERGENCY MEDICAL CARE COMMITTEE

May 19, 2016

0900

AGENDA ITEM		DISCUSSION/ACTION	RESPONSIBLE PERSON(S)
I.	CALL TO ORDER	Meeting was called to order at 0900. Introduction of new members: Steve Higgins	
II.	APPROVAL OF MINUTES	The March 17, 2016, minutes were approved.  Motion to approve. MSC: Harris Koenig/Troy Pennington APPROVED Ayes: Jim Holbrook, Diana McCafferty, Harris, Koenig, Stephen Higgins, Troy Pennington, Art Andres, Mike Bell, Allen Francis, Roy Cox, Art Rodriguez, John Gillison	
III.	DISCUSSION/ACTION ITEMS		
	A. ICEMA Updates		Tom Lynch
	1. EMS Data Collection	EMS Data Collection Report included in agenda packet for reference.	Tom Lynch
	B. ICEMA Medical Director Updates		Reza Vaezazizi
	<ul style="list-style-type: none"> <li>Trauma</li> </ul>	<ul style="list-style-type: none"> <li>State completed its ACS Trauma System survey. Results will be discussed at the State Trauma Summit on June 7 - 8, 2016.</li> <li>The next TAC meeting is July 13, 2016.</li> </ul>	
	<ul style="list-style-type: none"> <li>TXA</li> </ul>	<ul style="list-style-type: none"> <li>There are currently 77 Tranexamic Acid (TXA) usages to date; six (6) air case uses.</li> <li>ICEMA is reviewing the first round of data.</li> <li>To date, there have been no adverse effects in the ICEMA region.</li> </ul>	
	<ul style="list-style-type: none"> <li>STEMI</li> </ul>	<ul style="list-style-type: none"> <li>ICEMA is in the process of raising the standards of the STEMI Receiving Hospitals (SRHs). The goal is to have all SRHs Cardiovascular Patient Care accredited by December 2017.</li> <li>The next STEMI meeting is August 4, 2016, at the ICEMA office.</li> </ul>	
	<ul style="list-style-type: none"> <li>Stroke</li> </ul>	<ul style="list-style-type: none"> <li>ICEMA and CDPH met for an official California Stroke Registry kick-off meeting.</li> <li>MOUs are being developed.</li> <li>The next Stroke meeting is July 7, 2016, at the ICEMA office.</li> </ul>	
	<ul style="list-style-type: none"> <li>ART Project</li> </ul>	<ul style="list-style-type: none"> <li>No update.</li> </ul>	

	<ul style="list-style-type: none"> <li>CARES Registry</li> </ul>	<ul style="list-style-type: none"> <li>Currently beta testing with AMR Redlands data.</li> <li>St. Bernardine Medical Center and Community Hospital of San Bernardino have been trained.</li> </ul>	
	C. APOD	<ul style="list-style-type: none"> <li>Data for 2016 continues to show an increase.</li> <li>County Fire data is now included; first three (3) months projected 49,000 hours which is approximately a 50% increase from last year.</li> <li>ICEMA and REMSA are working together on a two-county policy that will go out to public comment.</li> <li>Tom Lynch stated that multiple strategies must be considered in order to effectively manage the demand issue, including full utilization of emergency medical dispatch protocols and policies that assist a patient to receive care at the proper location and time.</li> </ul>	Tom Lynch
	D. Update on Comments from Workshop on EMS System	<ul style="list-style-type: none"> <li>No decision made at this date.</li> </ul>	Tom Lynch
	F. 2015 Annual Report - 2 <sup>nd</sup> Reading	<p>2015 Annual Report included in agenda packet for reference.</p> <ul style="list-style-type: none"> <li>Members discussed goals for 2016.</li> </ul> <p>Motion to approve addition of two (2) goals to the report.</p> <p>1. Uniformity in data collection.  MSC: Harris Koenig/John Gillison  APPROVED  Ayes: Jim Holbrook, Diana McCafferty, Harris, Koenig, Stephen Higgins, Troy Pennington, Art Andres, Mike Bell, Allen Francis, Roy Cox, Art Rodriguez, John Gillison, Ramona Snipes</p> <p>2. Explore the development of a public education program to address the proper use of 9-1-1 and emergency departments.  MSC: Harris Koenig/John Gillison  APPROVED  Ayes: Jim Holbrook, Diana McCafferty, Harris, Koenig, Stephen Higgins, Troy Pennington, Art Andres, Mike Bell, Allen Francis, Roy Cox, Art Rodriguez, John Gillison, Ramona Snipes</p>	
IV.	EMS SYSTEM MANAGEMENT REPORTS	<ul style="list-style-type: none"> <li>Trauma Reports - Annually</li> <li>Base Hospital Statistics - Quarterly</li> <li>Hospital Bed Delay Reports - Monthly</li> </ul> <p>Reports available at:  <a href="http://www.sbcounty.gov/ICEMA/sbcounty_reports.aspx">http://www.sbcounty.gov/ICEMA/sbcounty_reports.aspx</a></p>	Ron Holk

Emergency Medical Care Committee

May 19, 2016

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V.	PUBLIC COMMENT PERIOD		
VI.	REQUESTS FOR AGENDA ITEMS		
VII.	NEXT MEETING DATE	July 21, 2016	
VIII.	ADJOURNMENT	Meeting adjourned at 1035.	

Emergency Medical Care Committee

May 19, 2016

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Attendees:

MEMBER NAME	EMCC POSITION	ICEMA STAFF	TITLE
<input checked="" type="checkbox"/> Jim Holbrook	EMS Training Institution	<input checked="" type="checkbox"/> Reza Vaezazizi	Medical Director
<input checked="" type="checkbox"/> Diana McCafferty	Private Ambulance Provider	<input checked="" type="checkbox"/> Tom Lynch	EMS Administrator
<input checked="" type="checkbox"/> Harris Koenig	Hospital Administrator	<input type="checkbox"/> Denice Wicker-Stiles	Assistant Administrator
<input checked="" type="checkbox"/> Stephen Higgins	Law Enforcement	<input type="checkbox"/> George Stone	PBC Program Coordinator
<input type="checkbox"/> Michael Smith	Fire Chief	<input checked="" type="checkbox"/> Chris Yoshida-McMath	Specialty Care Coordinator
<input checked="" type="checkbox"/> Troy Pennington	Physician -Level II	<input checked="" type="checkbox"/> Ron Holk	EMS Coordinator
<input checked="" type="checkbox"/> Art Andres	EMT-P - Public Sector	<input type="checkbox"/> Mark Roberts	EMS Technical Consultant
<input checked="" type="checkbox"/> Mike Bell	Emergency Medical Dispatch	<input checked="" type="checkbox"/> Danielle Ogaz	Senior EMS Specialist
<input checked="" type="checkbox"/> Allen Francis	Nurse - MICN	<input checked="" type="checkbox"/> Chantae Wilson	Senior EMS Specialist
<input checked="" type="checkbox"/> Roy Cox	Air Ambulance Provider	<input checked="" type="checkbox"/> Jacquie Martin	Secretary
<input checked="" type="checkbox"/> Art Rodriguez	EMT-P - Private Sector		
<input type="checkbox"/> Richard Catalano	Physician - Level I		
<input checked="" type="checkbox"/> John Gillison	City Manager		
<input type="checkbox"/> <i>Vacant</i>	Consumer Advocate		
<input checked="" type="checkbox"/> Ramona Snipes	Physician - ER		

GUEST	AGENCY	GUEST	AGENCY
Joel Armbruster	LLU		
Jeremy Ault	Chino Valley FD		
Elvira Atkinson	ARMC		
Valarie Clay	SB County - CAO		
Chloe Coro	LLU		
Connie Cunningham	LLUMC		
Patty Eickholt	SARH		
Leonard Garcia	LLU		
Matthew Hatch	LLU		
Nancy Hernandez	LLUMC/CH		
Ben Juarez	LLU		
Skyler King	LLU		
Adam Lqueda	LLU		
Grant Malinowski	CAL FIRE		
Pam Martinez	Ontario FD		
Sara Morning	SB County FD		
Susie Moss	AMR		
Leigh Overton	SB County FD		
Leslie Parham	Chino Valley FD		
Henry Perez	Colton FD		
Joy Peters	ARMC		
Jan Remm	HASC		
Shawn Reynolds	LLUMC		
Jan Serrano	ARMC		
Sara Wattenbarger	ARMC		
Josh Westin	LLU		

# Staff Report - EMCC

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## EMS Data Collection

### IMAGETREND ePCR SOFTWARE - IMPLEMENTATION (NEMSIS V2)

Currently, 41 providers are utilizing the ImageTrend software. Total ePCRs in the ICEMA data system is 1,345,227.

Providers currently on ImageTrend ePCR (NEMSIS V2):

29 Palms Fire  
AMR - Rancho  
AMR - Redlands  
AMR - Victorville  
Apple Valley Fire Department  
Baker Ambulance (Needles and Baker)  
Barstow Fire  
Big Bear Fire  
Big Pine Fire (Inyo County)  
Chino Valley Fire  
Colton Fire  
Crest Forest Fire Protection District (Merged with County Fire)  
Desert Ambulance  
Fort Irwin Fire  
Highland Fire (Cal Fire)  
Independence Fire (Inyo County)  
Loma Linda Fire  
Lone Pine Fire (Inyo County)  
Mammoth Lakes Fire (Mono County)  
Marine Corp Logistics Base - Barstow  
Mercy Air  
Mono County Paramedics (Mono County)  
Morongo Basin Ambulance  
Morongo Valley Fire  
Montclair Fire  
Olancho/Cartago Fire (Inyo County)  
Ontario Fire  
Rancho Cucamonga Fire  
Redlands Fire  
Rialto Fire  
Running Springs Fire  
San Bernardino City Fire  
San Bernardino County Fire  
San Bernardino County - Sheriff's Aviation  
San Manuel Fire  
Sierra LifeFlight - Bishop (Inyo County)  
Southern Inyo Fire (Inyo County)  
Symons Ambulance (San Bernardino County)  
Symons Ambulance (Inyo County)  
Upland Fire  
Yucaipa City Fire (Cal Fire)

Implementation/training dates for additional providers are as follows:

Daggett Fire Department (BLS) - Setup pending  
Yermo Fire - Setup complete

#### CAD INTERFACES ePCR IMPLEMENTATION NEMSIS V2

Barstow Fire - Pending  
Desert Ambulance - Pending  
Mercy Air - Pending  
Symons Ambulance - Pending

#### IMAGETREND SOFTWARE

The purchase of ImageTrend Software was approved by the ICEMA Governing Board in November 2011.

Patient Registry - ICEMA continues to receive data from its Trauma, Stroke and STEMI registries.

Trial Studies and Pilot Programs - ICEMA developed and deployed specific forms for documentation related to the TXA Trial Study.

Community Paramedicine Pilot Program went live August 17, 2015. ICEMA is currently receiving ePCRs.

ICEMA will be transitioning to NEMSIS V3 as required by both National and State requirements beginning January 1, 2017. Starting in August 2016, ICEMA will be holding monthly meetings to discuss the move to NEMSIS V3 with providers.

With the passage of AB 1129 LEMSAs can no longer mandate a provider to use the LEMSA's data system or its vendor. While ICEMA has not received any request from providers to move away from the ICEMA data system, ICEMA is in the process of releasing a data policy outlining the requirements of AB 1129 that mandates data reporting to the LEMSA.

#### STATE DATA REPOSITORY

Total ePCRs has exceeded 4.9 million.

Mark Roberts  
09/15/16



# **SAN BERNARDINO COUNTY EMERGENCY MEDICAL CARE COMMITTEE**

## **2015 ANNUAL REPORT**



## **INTRODUCTION**

The purpose of this writing is to present an overview of the discussions and actions of the San Bernardino County Emergency Medical Care Committee (EMCC) for 2015. The EMCC provides a communications platform for the diverse groups and individuals which form the Emergency Medical Services (EMS) System in San Bernardino County. The EMCC also functions in an official capacity as an advisory group to the Board of Directors and the EMS Administrator for the Inland Counties Emergency Medical Agency (ICEMA), as outlined in State regulations. The EMCC had five (5) regularly scheduled meetings during 2015.

## **EMCC MEMBERSHIP**

The 2015 EMCC members were:

SEAT NO.	MEMBER	POSITION
1	Diana McCafferty	Private Ambulance Provider
2	Jim Holbrook	EMT-P Training Institution (Chair)
3	Harris Koenig	Hospital Administrator
4	Travis Henson	ED Physician - Non-Trauma
5	John Gillison	City Manager/Deputy City Manager/Assistant Manager
6	Vacant	Consumer Advocate
7	Michael Smith	Fire Chief
8	Stephen Miller	Law Enforcement
9	Art Andres	EMT/Paramedic - Public Sector (Vice - Chair)
10	Mike Bell	Emergency Medical Dispatch/Communications
11	Allen Francis	Nurse - MICN
12	Troy Pennington	Physician - Level II Trauma
13	Roy Cox	Air Ambulance Provider
14	Richard Catalano	Physician - Level I Trauma
15	Arthur Rodriguez	EMT/Paramedic - Private Sector

The EMCC position representing Consumer Advocate continued to be unfilled during the 2015 sessions. This vacancy originated during the 2009 sessions, and ICEMA has been working to fill the position.

All EMCC members are in compliance with the requirements for Ethics training as defined by Article 2.4 of Chapter 2 of Title 5 of the Government Code (AB 1234).

## **MANPOWER AND TRAINING**

The San Bernardino County EMS system currently consists of over 5,500 accredited or certified EMS personnel providing prehospital patient care in the ICEMA region.

AEMT	19
EMR	20
EMT	3,350
EMT-P	1,773
MICN	414

The system continues through local processes to enhance the educational, training, and personnel needs of the system. In addition to the standard educational processes, much of the training during the 2015 year was specific to unique operational needs of our system. Specifically the TXA Trial Study, Stroke programs, and implementation of new policies. Through collaboration with Arrowhead Regional Medical Center and Rialto Fire Department, ICEMA developed and approved a specific training module for its trial study involving administration of Tranexamic Acid (TXA) to victims of traumatic hemorrhagic shock by paramedics (EMT-Ps) in the ICEMA region.

As reported in the past annual reports an accurate number of individuals trained in cardiopulmonary resuscitation and first aid are not available. To help guide the system ICEMA moved forward with the Cardiac Arrest Registry to Enhance Survival (CARES). CARES provides scientific information to help improve prehospital care of cardiac arrest patients. The local hospitals committed to this process include: Arrowhead Regional Medical Center, Community Hospital of San Bernardino, Desert Valley Hospital, and San Antonio Community Hospital. Several additional hospitals in the ICEMA region have now committed to participating in the CARES. Beta-testing of the additional EMS data elements began at the end of 2015. St. Bernardine Medical Center and Community Hospital of San Bernardino staff has been trained on the use of CARES. The first phase of implementation will be focused in the east San Bernardino valley and extend throughout into the ICEMA region.

Overall, our system continues to advance levels of patient care guided by various data streams and scientific efforts. Examples of these high performing areas are the prehospital administration of TXA trial study that began in March 2015. As of December 2015, there were 48 TXA administrations by EMS providers with no documented adverse effects. This study continues with target of 200 EMS patients before complete data analysis. In addition, ARMC was re-verified as a Level II trauma center by the American College of Surgeons (ACS). ICEMA continues to work towards requiring the Society of Cardiovascular Patient Care accreditation as a standard for all of its STEMI Receiving Centers. Also, all neurovascular Stroke Receiving Centers (NSRCs) will be required to maintain The Joint Commission or Healthcare Facilities as Primary Stroke Center accreditation.

California is one of nine states to receive a CDC grant to develop a national stroke registry, and California Department of Public Health has approached ICEMA to use its current platform for stroke data and to be the primary developing center for the entire state.

The Ambulance Patient Offload Delay (APOD) Task Force continues to discuss and explore methods to reduce offload delays and the cascading problems associated with this system concern.

## **COMMUNICATIONS**

The ability to communicate system issues continues to advance among all groups. Currently, 41 EMS providers are using ImageTrend software. This is the first report to indicate that the entire EMS system is communicating on an accessible platform. This resolves an issue which has been slowly improving for more than a decade.

Several of our fire service dispatch centers use medical priority dispatch systems and several have achieved Accredited Center's of Excellence. Less than 3% of all EMS dispatch centers have received this accreditation in the United States.

## **TRANSPORTATION**

The EMCC provided input to the County Administrative Office in a special workshop during March 2015. The entire workshop and discussions were related to the entire systems including transportation, communications, and overall system issues.

## **ASSESSMENT OF HOSPITALS AND CRITICAL CARE CENTERS**

San Bernardino County's EMS system continues to advance its specialty care system through implementation of the ST Elevation Myocardial Infarction (STEMI) system and other innovative system enhancements, such as Stroke Centers. Importantly, the continuous quality improvement committees continue to reevaluate the system, and through the implementation of these systems, patients are able to receive expedited medical treatment and improved outcomes. The continuous quality improvement committees continue to reevaluate the system.

Noteworthy is ICEMA received three National Association of Counties (NACO) 2015 Achievement Awards for its programs titled "ICEMA EMS Credentialing Portal", "ICEMA Continuation of Care" and "Medical and Health Operational Area Coordinator (MHOAC) Program". ICEMA also received a merit award from the California State Association of Counties (CSAC) for its program titled "ICEMA Continuation of Specialty Care".

Through the implementation of these systems, patients are able to receive expedited medical treatment and improved outcomes.

## **MEDICAL CONTROL**

The medical control protocols and system processes continue to assure overall high quality medical control of the system. A total of 30 protocols, both regular updates and new protocols and policies, were implemented during 2015. The protocol and policy changes were stimulated by changes in scientific or local system needs. The Trauma Audit Committee (TAC) reviewed and approved the revision of the Trauma Triage Policy to reflect the updates to the CDC Trauma Triage Guidelines. The TXA Trial Study Protocol became effective in March 2015. TAC, a committee that includes ICEMA (San Bernardino County) and Riverside County trauma centers, continues to meet regularly to maintain a regionalized approach to trauma.

## **DATA COLLECTION AND EVALUATION**

The EMS system continued to document progress in data collection and analysis during 2015 through the continuing implementation of new data software. Substantial agency(s) and personnel time was required in order to accurately collect, review, analyze, and compile reports for various discussions and decision making loops.

ICEMA fully implemented County-wide electronic data collection, including the following:

- Data from its Trauma, Stroke and STEMI registries.
- Data from the TXA Trial Study.
- Data from the Community Paramedicine Pilot Program.

Additionally, the ICEMA State Data Repository has data levels exceeding 3.3 million.

The following San Bernardino County EMS providers are submitting data to the ICEMA Data System on a daily basis:

- 29 Palms Fire
- AMR - Rancho
- AMR - Redlands
- AMR -Victorville
- Apple Valley Fire Department
- Baker Ambulance (Needles and Baker)
- Barstow Fire
- Big Bear Fire
- Chino Valley Fire
- Colton Fire
- Desert Ambulance
- Fort Irwin Fire
- Highland Fire (Cal Fire)
- Loma Linda Fire
- Marine Corp Logistics Base - Barstow
- Mercy Air
- Morongo Basin Ambulance
- Morongo Valley Fire
- Montclair Fire
- Ontario Fire
- Rancho Cucamonga Fire
- Redlands Fire
- Rialto Fire
- Running Springs Fire
- San Bernardino City Fire
- San Bernardino County Fire
- San Bernardino County - Sheriff's Aviation
- San Manuel Fire
- Symons Ambulance (San Bernardino County)
- Upland Fire
- Yucaipa City Fire (Cal Fire)

The EMCC received standing emergency medical services system management reports at each of the scheduled meetings. These standing reports included quarterly reports for Trauma systems, base hospital statistics, hospital bed delays, hospital surveillance and STEMI reports. These standing reports assist the overall system as it continues to explore and advance in communication and systems knowledge between all groups.

## 2016 GOALS

- Support ICEMA in the process of data collection to achieve standardized data.
- Development of a public education program to reduce the improper utilization of ambulance transports and hospital emergency rooms.

## **CONCLUSION**

There were various processes that were discussed and are continuing items into 2016, such as medication shortages, ambulance patient off-load delays, health information exchange, and ground transportation status.

In summary, it has been the goal of the EMCC to have system participation and open public discussions. The EMCC applauds the entire system.