



# AGENDA



## SAN BERNARDINO COUNTY EMERGENCY MEDICAL CARE COMMITTEE

**March 21, 2019**

**0900**

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

Purpose: Information Sharing  
Meeting Facilitator: Art Andres  
Timekeeper: Tom Lynch  
Record Keeper: Jacquie Martin

AGENDA ITEM		PERSON(S)	DISCUSSION/ACTION
I.	CALL TO ORDER	Art Andres	
II.	APPROVAL OF MINUTES	Art Andres	Action
III.	DISCUSSION/ACTION ITEMS		
	A. 2017 Goals	Art Andres	Discussion/Action
	1. Emergency Medical Dispatch - Ad Hoc Committee Report	Mike Bell	
	2. 2019 Goals	Art Andres	
	B. ICEMA Updates	Tom Lynch	Discussion
	1. EMS Data Collection		
	C. Ambulance Patient Offload Delay (APOD)	Tom Lynch	Discussion
	D. Update on Ambulance Contract	Tom Lynch	Discussion
	E. Update on Comments from Workshop on EMS System	Tom Lynch	Discussion
	F. Bylaws Update	Tom Lynch	Discussion/Action
	G. 2018 Annual Report - 1 <sup>st</sup> Reading	Art Andres	Discussion/Action
	H. Election of Chair and Vice Chair	Art Andres	Discussion/Action
IV.	EMS SYSTEM MANAGEMENT REPORTS		Information
	<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>		
V.	PUBLIC COMMENT PERIOD		
VI.	REQUESTS FOR AGENDA ITEMS		
VII.	NEXT MEETING DATE: <b>May 16, 2019</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

November 15, 2018  
0900

AGENDA ITEM		DISCUSSION/ACTION	RESPONSIBLE PERSON(S)
I.	CALL TO ORDER	Meeting was called to order at 0900.	Art Andres
II.	APPROVAL OF MINUTES	<p>The September 20, 2018, minutes were approved.</p> <p>Motion to approve. MSC: Diana McCafferty/Michael Smith APPROVED Ayes: Diana McCafferty, Michael Smith, Troy Pennington, Art Andres, Mike Bell, Art Rodriguez, John Gillison, Alan Green</p>	Art Andres
III.	DISCUSSION/ACTION ITEMS		
	A. 2019 Goals		Art Andres
	1. Emergency Medical Dispatch - Ad Hoc Committee #3 Update	<p>Mike Bell presented an update from the Emergency Medical Dispatch (EMD) Ad Hoc Committee and the Scope of Work (SOW) for Project RFP.</p> <p>Mike Bell requested that the SOW document be endorsed by the EMCC. The next step will be to put the SOW out in the form of an RFP for a consultant to work with the Ad Hoc Committee to get the program to the next level with a formalized plan with some analysis and recommendations.</p> <p>Motion to endorse the Scope of Work document as submitted. MSC: Alan Green/John Gillison APPROVED Ayes: Diana McCafferty, Michael Smith, Troy Pennington, Art Andres, Mike Bell, Art Rodriguez, John Gillison, Alan Green</p>	
	B. ICEMA Updates		
	1. EMS Data Collection	EMS Data Collection Report included in agenda packet for reference.	Tom Lynch
	C. Ambulance Patient Offload Delay (APOD)	No update.	Tom Lynch
	D. Update on Ambulance Contract	No update.	Tom Lynch
	E. Update on Comments from Workshop on EMS System	No update. John Gillison will reach out to the new CEO McBride as an introduction to the committee.	Tom Lynch

Emergency Medical Care Committee

November 15, 2018

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	F. Bylaws Update	Bylaws included in agenda packet for reference. Committee requested clarification/update as to the Ordinance numbers referenced in Article I, Section 2 and Section 3, and Article V, Section 1.d and Section 2.  Motion to continue review at the next meeting. MSC: Diana McCafferty/John Gillison APPROVED Ayes: Diana McCafferty, Michael Smith, Troy Pennington, Art Andres, Mike Bell, Art Rodriguez, John Gillison, Alan Green	Art Andres
	G. 2019 Meeting Dates	2019 meeting dates included in agenda packet for reference.	Tom Lynch
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>	
V.	PUBLIC COMMENT PERIOD		
VI.	REQUESTS FOR AGENDA ITEMS	- 2019 Goals - Bylaws Update	
VII.	NEXT MEETING DATE	January 17, 2019	
VIII.	ADJOURNMENT	Meeting was adjourned at 0948.	

Attendees:

MEMBER NAME	EMCC POSITION	ICEMA STAFF	TITLE
<input type="checkbox"/> VACANT	EMS Training Institution	<input checked="" type="checkbox"/> Tom Lynch	EMS Administrator
<input checked="" type="checkbox"/> Diana McCafferty	Private Ambulance Provider	<input checked="" type="checkbox"/> Ron Holk	EMS Coordinator
<input type="checkbox"/> Greg Christian	Hospital Administrator	<input checked="" type="checkbox"/> Amber Anaya	EMS Specialist
<input type="checkbox"/> Stephen Higgins	Law Enforcement	<input type="checkbox"/> Jacquie Martin	Secretary
<input checked="" type="checkbox"/> Michael Smith	Fire Chief		
<input checked="" type="checkbox"/> Troy Pennington	Physician -Level II		
<input checked="" type="checkbox"/> Art Andres	EMT-P - Public Sector		
<input checked="" type="checkbox"/> Mike Bell	Emergency Medical Dispatch		
<input type="checkbox"/> Allen Francis	Nurse - MICN		
<input type="checkbox"/> VACANT	Air Ambulance Provider		
<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 checked="" type="checkbox"/> Alan Green	Consumer Advocate		
<input type="checkbox"/> VACANT	Physician - ER		

# Staff Report - EMCC

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## EMS Data Collection

### IMAGETREND ePCR SOFTWARE - IMPLEMENTATION (NEMSIS V3)

Currently, 42 providers are utilizing the ImageTrend software. Total ePCRs in the ICEMA data system is 1,036,369.

Providers currently on ImageTrend ePCR (NEMSIS V3):

AMR - Rancho  
AMR - Redlands  
AMR - Victorville  
Apple Valley Fire  
Baker Ambulance (Needles)  
Barstow Fire  
Big Bear Fire  
Big Pine Fire (Inyo County)  
Cal Fire - San Bernardino  
California Highway Patrol - Air Ops  
Chino Valley Fire  
Cole Schaefer Ambulance  
Colton Fire Department  
Combat Center Fire (Marine Corp - Twenty-nine Palms)  
Desert Ambulance  
Fort Irwin Fire  
Independence Fire (Inyo County)  
Loma Linda Fire  
Lone Pine Fire (Inyo County)  
Mammoth Lakes Fire Protection District (Mono County)  
Marine Corps Logistics Base Fire (Barstow)  
Marine Corps Mountain Warfare Fire Department (Mono County)  
Mercy Air  
Mono County Paramedics (Mono County)  
Montclair Fire  
Morongo Basin Ambulance  
Morongo Valley Fire  
Olancho/Cartago Fire (Inyo County)  
Ontario Fire  
Rancho Cucamonga Fire  
Redlands Fire  
Rialto Fire  
Running Springs Fire  
San Bernardino County Fire  
San Bernardino County - Sheriff's Aviation  
San Manuel Fire  
Searles Valley Minerals  
Sierra LifeFlight - Bishop (Inyo County)  
Southern Inyo Fire (Inyo County)  
Symons Ambulance (San Bernardino County)  
Symons Ambulance (Inyo County)  
White Mountain Fire Protection District (Mono County)  
Yermo Fire

## ePCR IMPLEMENTATION NEMSIS V3

ICEMA announced the dates of the NEMSIS V3 roll out to begin on February 6, 2017, with a completion date of February 28, 2017. On March 1, 2017, ICEMA providers went live reporting NEMSIS V3.4.0. ICEMA continues to hold meetings with providers.

## 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. The Ketamine Trial Study started April 1, 2018.

Community Paramedicine Pilot Program went live August 17, 2015. ICEMA is currently receiving ePCRs. Community Paramedicine documentation will remain on Field Bridge V2 after January 1, 2017.

With the passage of AB 1129 LEMSAs can no longer mandate a provider to use the LEMSA's data system or its vendor. ICEMA is in the process of releasing a data policy outlining the requirements of AB 1129 that mandates data reporting to the LEMSA. ICEMA will work with any provider to make the transition as smooth as possible, while ensuring patient continuity is maintained. It is ICEMA's desire to keep the process as close to the current process and not add any additional work to the downstream providers. \*\*

\*\* Mercy Air Services is approved to use third party vendor to report ePCR data to ICEMA effective April 1, 2019

\*\* Ontario Fire Department - Testing Phase

## STATE DATA REPOSITORY

Total ePCRs as of March 8, 2019 is 7,185,045.

Mark Roberts  
03/21/19



**BYLAWS OF  
SAN BERNARDINO COUNTY  
EMERGENCY MEDICAL CARE COMMITTEE**

**AMENDED: September 17, 2015**

**ARTICLE I  
AUTHORIZATION**

**SECTION 1: Jurisdiction**

The Committee serves the geographic and political entity known as San Bernardino County.

**SECTION 2: Purpose**

The County's Emergency Medical Care Committee is established pursuant to the California Health and Safety Code, Chapter 2.5, Chapter 4, Article 3, Section 1797.270 through 1797.276 and San Bernardino County Ordinance No. 31.1101-31.1106. It is the responsibility of the EMCC to act in an advisory capacity to the Board of Supervisors and Inland Counties Emergency Medical Agency (ICEMA), the Local EMS Agency for San Bernardino County on all matters relating to emergency medical services and to perform such other duties as the Board of Supervisors may specify.

**SECTION 3: Authority**

California Health and Safety Code, Chapter 2.5, Chapter 4, Article 3, Section 1797.270 through 1797.276 and San Bernardino County Ordinance No. 31.1101 - 31.1106.

**ARTICLE II  
MEMBERSHIP**

**SECTION 1: Appointment and Representation**

- a. The EMCC shall be composed of fifteen (15) members appointed by the County Board of Supervisors. The members of the EMCC shall serve at the pleasure of the Board of Supervisors. The EMCC shall consist of the following:
  - (1) An emergency department physician or trauma surgeon from an ICEMA designated Level I Trauma Hospital. A Level I Trauma Hospital shall not appoint the same specialty (i.e., emergency physician or trauma physician) as a Level II Trauma Hospital.

- (2) An emergency department physician or trauma surgeon from an ICEMA designated Level II Trauma Hospital. A Level II Trauma Hospital shall not appoint the same specialty (i.e., emergency physician or trauma physician) as a Level I Trauma Hospital.
- (3) A licensed registered nurse with a minimum of three (3) years' experience in an emergency department located in San Bernardino County and currently certified as an ICEMA Mobile Intensive Care Nurse.
- (4) A fire chief, with a minimum of three (3) years' experience at a Chief Officer level within San Bernardino County.
- (5) A private ambulance provider with a minimum of three (3) years' experience providing ambulance service within San Bernardino County.
- (6) A representative of an approved EMT-P training program located within San Bernardino County with a minimum of three (3) years' teaching experience in EMS.
- (7) A hospital administrator currently employed by a hospital located within San Bernardino County with a minimum of three (3) years' related experience.
- (8) A physician with a minimum of three (3) years' practicing experience in a basic emergency department (non-trauma) located within San Bernardino County.
- (9) A city manager, deputy city manager, or assistant manager, located within San Bernardino County with a minimum of three (3) years' experience.
- (10) A representative of a permitted/authorized air ambulance provider with a minimum of three (3) years' experience providing air ambulance service within San Bernardino County.
- (11) A law enforcement representative with a minimum of three (3) years' experience, currently providing service within San Bernardino County.
- (12) A representative currently assigned to emergency medical dispatching in a secondary Public Safety Answering Point (PSAP) providing service within San Bernardino County with a minimum of (3) three years' related experience.
- (13) A consumer advocate who has resided in San Bernardino County a minimum of three (3) years.
- (14) A licensed, ICEMA accredited field emergency medical technician – paramedic, currently functioning within the San Bernardino County pre-hospital care setting, with a minimum of three (3) years' experience in the private sector.
- (15) A licensed, ICEMA accredited field emergency medical technician – paramedic, currently functioning within the San Bernardino County pre-hospital care setting, with a minimum of three (3) years' experience in the public sector.

- b. Voting. Each member of the EMCC shall have one vote. A majority vote with a quorum in attendance shall be required to take action on a matter before the EMCC. The establishment of a quorum will be determined as specified in the EMCC By-Laws.

**SECTION 2: ICEMA**

- a. The Inland Counties Emergency Medical Agency (ICEMA) shall be the Liaison Agency for this Committee.
- b. ICEMA shall be responsible for reviewing and making recommendations as to the continuation and/or role of the Committee pursuant to County policy.
- c. ICEMA shall provide guidance to the Committee as to its responsibilities and adherence to County policy.
- d. ICEMA EMS Administrator shall act as “Liaison Officer” for the Committee.
- e. ICEMA immediately shall report to the Clerk of the Board of Supervisors any unscheduled vacancy.
- f. ICEMA shall determine the conflict of interest statutes, ordinances and policies applicable to the EMCC committee members (by consultation with County Counsel (as necessary) and shall so advise committee members.
- g. ICEMA shall provide staff support in the preparation and distribution of agenda materials and minutes for the Committee.

**SECTION 3: Term of Office**

Members' terms of office shall be four (4) years expiring on January 31 of the appropriate years and subsequent new terms shall begin February 1 of that year. The terms shall be staggered so that no more than two thirds (2/3) of the terms of the total number of members of the EMCC shall expire in any one (1) year period. A member whose term of office has expired shall continue to serve in that capacity until a new appointment is made. Committee members shall serve at the pleasure of the Board of Supervisors and may be removed from the Committee at any time only by the Board of Supervisors.

**SECTION 4: Committee Vacancies**

The members of the EMCC are appointed by the Board of Supervisors. A resigning committee member shall submit his/her original written resignation to the Clerk of the Board of Supervisors (COB). ICEMA shall notify immediately the COB of any unscheduled vacancies. ICEMA will provide the Board of Supervisors with written notification of vacancies and the Board of Supervisors will take the necessary action to declare the position vacant and fill the position.

The absence of a committee member from two (2) consecutive meetings of the Committee shall be cause for the Chairman of the EMCC to contact the committee member to discuss participation in the meetings. Whenever a committee member fails to attend two (2) consecutive meetings or three (3) total meetings in a calendar year, without good cause entered into the minutes, the EMCC Chairman shall correspond with the Chairman of the Board of Supervisors and recommend that the committee member



be removed from the Committee. Committee members serve at the pleasure of the Board of Supervisors and may be removed only by the Board of Supervisors. Without good cause shall be defined as failure to notify ICEMA of inability to attend or failure to attend after notification of planned attendance.

**SECTION 5: Quorum**

The meeting will be called and a minimum of eight (8) members is required. A quorum is requisite for the transaction of any business of this Committee.

**SECTION 6: Voting**

Each member as defined in Article II, Section 1 of these Bylaws shall have one (1) vote and shall not have the right to accumulate votes. A majority vote with a quorum in attendance shall be required to take action on a matter before the EMCC.

**SECTION 7: Election of Chairperson and Vice-Chairperson**

A Chairperson and Vice-Chairperson shall be elected annually from the voting members of the EMCC at the first meeting of each calendar year by a simple majority of the EMCC members present. The Vice-Chairperson shall assume the responsibilities of the Chairperson in his/her absence.

**ARTICLE III  
MEETINGS**

**SECTION 1: Regular Meetings**

The EMCC shall meet, at regular intervals necessary to fulfill its Board of Supervisors approved scope of operation at a time and location to be determined by the ICEMA.

**SECTION 2: Special Meetings**

Special meetings may be called at the discretion of the Chairperson or at the request of a majority of the members. Committee members must be given at least ten (10) working days' notice in writing of all special meetings.

**SECTION 3: Meeting Announcements**

All meetings of the Committee shall be open to the public and notices of the meeting posted in a location fully accessible to the public seventy-two (72) hours before the meeting pursuant to the Brown Act.

**SECTION 4: Meeting Agendas**

Meeting agendas for all scheduled committee meetings shall be transmitted in advance in writing to all committee members and other interested persons who have submitted a request in writing. Agenda items proposed for consideration at a scheduled meeting of the Committee shall be submitted to ICEMA no later than thirty (30) working days prior to the meeting. Agendas will be prepared by ICEMA staff in cooperation with the Chairperson. Where appropriate and feasible, written backup information material should be submitted concurrently with the proposed agenda items for advance distribution to committee members. There shall be a notation on the agenda for public

comments. Agendas should be e-mailed seventy-two (72) hours prior to the next scheduled meeting.

**SECTION 5: Meeting Commencement**

All EMCC meetings will begin at precisely the time stated on the agenda. If there is no quorum at the designated starting time of the meeting, those in attendance may receive and discuss information, but no official business requiring an action by the Committee may be conducted.

**SECTION 6: Rules of Order**

All meetings will be governed by Robert's Rules of Order unless otherwise agreed to by the majority of the members present.

**SECTION 7: Review of Bylaws**

Bylaws shall be reviewed every three (3) years.

**ARTICLE IV  
AD HOC COMMITTEES**

**SECTION 1: Establishment and Appointment**

Ad Hoc Committees may be established and appointed by the Chairperson of the EMCC. The Chairperson, with the concurrence of the Committee, shall appoint the members and the chair of the Ad Hoc Committee(s). Regular, ex officio and non-members may be appointed to the Ad Hoc Committee(s). Only appointed members of the Committee can vote on a decision to be presented to the Committee at Large.

**SECTION 2: Assignments**

The Chairperson will define in precise terms the assignment to be completed providing a definitive timeframe for reporting to the Committee. The Ad Hoc Committee will be dissolved once the assignment is completed and a report is submitted for consideration to the Committee.

**ARTICLE V  
COMMITTEE RESPONSIBILITIES**

**SECTION 1: The Committee shall perform duties as outlined in County Ordinance No. 31.1101-31.1106 as follows:**

- a. Annually review the ambulance services operating within the County; and
- b. Annually review emergency medical care offered within the County; and
- c. Review and comment on proposed EMS legislation, EMS plans, protocols and policies to be adopted by ICEMA, and shall report its findings to the ICEMA EMS Administrator and the Board as appropriate.
- d. The EMCC shall perform additional duties and responsibilities as directed by the Board of Supervisors, County Code, and any other duties specified in County Ordinance 31.1101 through 31.1106 and/or state laws, as well as other EMS matters relating to EMS.

- e. Annually report its observations and recommendations to the Board and ICEMA relative to its review of the ambulance services, emergency medical care and all other EMS matters relating to EMS in the County.

**SECTION 2: Additional Duties and Responsibilities**

The EMCC shall perform additional duties and responsibilities as directed by the Board of Supervisors, County Code, and any other duties specified in County Ordinance 31.1101 through 31.1106 and/or state laws, as well as other EMS matters.

**ARTICLE VI  
STANDARDS OF ETHICS AND CONDUCT**

**SECTION 1: County Policies**

Committee members shall comply with the current policies approved by the Board of Supervisors.

**SECTION 2: Responsibilities of Public Office**

Individuals appointed to the Committee are agents of the public and serve for the benefit of the public. They shall uphold and act in accordance with the Constitution of the United States, the Constitution of the State of California, the Charter of the County of San Bernardino, and ordinances, rules regulations, and policies of the County.

**ARTICLE VII  
AMENDMENT TO BYLAWS**

**SECTION 1: Adoption of Bylaws**

The proposed Bylaws shall be circulated to the Committee in writing at least thirty (30) days in advance of the meeting at which a vote may be called.

**SECTION 2: Required Vote for Adoption**

The Bylaws of the Committee shall be adopted if approved by a majority of the voting committee members and approved by the Board of Supervisors.

**SECTION 3: Proposed Amendments**

Proposed Bylaw amendments shall be circulated to the Committee in writing at least thirty (30) days in advance of the meeting at which a vote may be called.

**SECTION 4: Required Vote for Adoption of Amendments**

The Bylaws of the Committee may be amended if approved by a majority of the voting Committee members and approved by the Board of Supervisors.



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

## **2018 ANNUAL REPORT**



## **INTRODUCTION**

The purpose of this report is to present an overview of the discussions of the San Bernardino County Emergency Medical Care Committee (EMCC) for 2018. The role of the EMCC is to provide 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.

## **EMCC MEMBERSHIP**

The 2018 EMCC members were:

SEAT NO.	MEMBER	POSITION
1	Diana McCafferty	Private Ambulance Provider
2	Jim Holbrook Vacant as of July 10, 2018	EMT-P Training Institution (Chair)
3	Greg Christian	Hospital Administrator
4	Ramona Snipes Vacant as of July 10, 2018	ED Physician - Non-Trauma
5	John Gillison	City Manager/Deputy City Manager/Assistant Manager
6	Alan Green	Consumer Advocate
7	Michael Smith	Fire Chief
8	Stephen Higgins	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	Vacant	Air Ambulance Provider
14	Richard Catalano	Physician - Level I Trauma
15	Arthur Rodriguez	EMT/Paramedic - Private Sector

The EMCC position representing Air Ambulance Provider continued to be unfilled during the 2018 sessions. This vacancy originated during the 2017 sessions. Due to personal resignations, the EMCC positions representing EMT-P Training Institution and ED Physician - Non-Trauma became vacant during the 2018 sessions.

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).

## **PERSONNEL AND TRAINING**

The San Bernardino County EMS system currently consists of over 5 thousand credentialed EMS personnel providing prehospital patient care to the citizens of San Bernardino County. Further, the San Bernardino County EMS system also consists of 19 hospitals in the County and more than 6 out of County hospitals receive patients from the system. Over 30 EMS providers both public and private serve the County.

In addition to the standard dynamic processes of complex coupled organizations, much of the 2018 year was dedicated to advancing the unique operational needs of our system. For example, San Bernardino County fully converted to the National EMS Information System Version 3 (NEMSIS V3) data collection system.

ICEMA was a significant contributor to the Tranexamic Acid (TXA) Trial Study that concluded in 2018. The study enrolled over 724 patients. The findings of a study published in the Western Journal of Emergency Medicine suggest that TXA use in the civilian prehospital setting improves survival in patients who have sustained a traumatic injury with signs of hemorrhagic shock. The California Commission on EMS also reviewed the results of the study and approved the addition of TXA to the optional scope of practice for California paramedics. The California EMS Authority then approved the ICEMA Medical Director's request to add TXA to the local optional scope of practice.

ICEMA, on behalf of San Bernardino County, began reporting out-of-hospital cardiac arrest (OHCA) data to the Cardiac Arrest Registry to Enhance Survival (CARES) Registry. The CARES Registry will publish the 2018 data upon completion of an audit of data accuracy. Additionally, the Ambulance Patient Offload Delay (APOD) issue continues to be under review. There are significant and complex issues affecting the transfer of patients from ambulances to hospital emergency departments. Providers at multiple levels continue to focus on resolutions.

Overall, the San Bernardino County EMS system continues to advance all levels of patient care.

## **COMMUNICATIONS**

The EMS system continued to document progress in data collection and analysis during 2018 meetings through the implementation of NEMSIS V3 software. The EMCC can report that a fully implemented, high functioning countywide electronic data collection system is operational.

The EMCC formed an Ad Hoc subcommittee to focus on emergency medical dispatch. There was broad-spectrum participation on the subcommittee. The defined committee purpose was "To work collaboratively to identify and recommend strategies that leverage the benefits of the emergency medical dispatch protocol for improving system efficiency and performance while ensuring patient and provider safety." The EMCC will receive a comprehensive report and recommendations.

## **TRANSPORTATION**

The EMCC provided input to transportation issues including air ambulance and ground transportation. The AMR agreement was extended until March 31, 2019.

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

San Bernardino County's EMS system continues to advance its specialty care system through implementation and enhancement of the STEMI (cardiac) and stroke systems. Importantly, the STEMI, stroke and trauma specialty care continuous quality improvement committees continue to reevaluate the system. Through the implementation and the continuous refinement of these systems, patients are able to receive expedited medical treatment that result in improved outcomes.

## **MEDICAL CONTROL**

The medical control protocols and system policies continue to assure overall high quality medical control of the system. A total of 31 new or updated protocols and policies were implemented during 2018. Additional updates are anticipated during 2019. The protocol and policy changes were stimulated by changes in scientific or local system needs with input from the Medical Advisory Committee.

## **DATA COLLECTION AND EVALUATION**

The EMS system continued to document progress in data collection and analysis during 2018 meetings through the implementation of the new data software. In an effort to ensure consistent, quality data entry, a draft data dictionary, that continues to evolve, is utilized as a working document. The EMCC can report a fully implemented, high functioning countywide electronic data collection system, includes the following:

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

Additionally, the ICEMA State Data Repository has data levels exceeding 15.2 million reports.

The following ICEMA approved EMS providers are currently utilizing the ImageTrend ePCR (NEMSIS V3) system:

- AMR - Rancho
- AMR - Redlands
- AMR - Victorville
- Apple Valley Fire
- Baker Ambulance (Needles)
- Barstow Fire
- Big Bear Fire
- Big Pine Fire (Inyo County)
- Cal Fire - San Bernardino
- California Highway Patrol - Air Ops
- Chino Valley Fire
- Cole Schaefer Ambulance
- Colton Fire Department
- Combat Center Fire (Marine Corp - Twenty-nine Palms)
- Desert Ambulance
- Fort Irwin Fire
- Independence Fire (Inyo County)
- Loma Linda Fire
- Lone Pine Fire (Inyo County)
- Mammoth Lakes Fire (Mono County)
- Marine Corps Logistics Base Fire (Barstow)
- Marine Corps Mountain Warfare Fire (Mono County)
- Mono County Paramedics (Mono County)

- Montclair Fire
- Morongo Basin Ambulance
- Morongo Valley Fire
- Olancho/Cartago Fire (Inyo County)
- Ontario Fire
- Rancho Cucamonga Fire
- Redlands Fire
- Rialto Fire
- Running Springs Fire
- San Bernardino County Fire
- San Bernardino County - Sheriff's Aviation
- San Manuel Fire
- Searles Valley Minerals
- Sierra LifeFlight - Bishop (Inyo County)
- Southern Inyo Fire (Inyo County)
- Symons Ambulance (San Bernardino County)
- Symons Ambulance (Inyo County)
- White Mountain Fire Protection District (Mono County)
- Yermo Fire

The EMCC received standing EMS system management reports at each of the scheduled meetings. These standing reports included reports for trauma systems, base hospital statistics, and hospital bed delay reports. Standing reports assist the overall system as it continues to explore and advance in communication and systems knowledge between all groups.

## **2017 GOALS**

Through open discussions, the EMCC committee was able to “Support ICEMA in the process of data collection to achieve standardized data”.

The second broad range goal did not reach agenda status. This issue to “Development of a public education program to reduce the improper utilization of ambulance transports and hospital emergency rooms” continues to impact EMS and hospitals nationally.

## **CONCLUSION**

Consistency and reliability have allowed EMCC to be effective. EMCC will continue to seek subject matter experts to provide input as well as act in an advisory capacity to the ICEMA EMS Administrator and the Board of Directors. Changes in healthcare are occurring at a rapid pace and stakeholder engagement will help augment a robust EMS system as we move forward into 2019.

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