



STEMI Program Partners Meeting
Tuesday May 18, 2021 11:30 AM –1:30 PM
9616 Micron Ave. Suite 900, Sacramento, CA. 95827
Conference Room 1 via Zoom

Facilitators: Hernando Garzon, M.D. EMS Agency Medical Director
 Ben Merin, EMS Coordinator

Meeting Minutes: Kathy Ivy, EMS Specialist II

Meeting Attendees STEMI: Meeting attendees:

Topic	Discussion <small>(Key facts, Questions, Concerns)</small>	Action Items/Decision	Owner and/or Due Date <small>(if applicable)</small>
Welcome and Introductions	Welcome, please put your name in the chat box so we know who was/is present.	Chat box not captured.	
Approval of Minutes – February 16, 2021	Meeting Minutes: Motion to approve- David Buettner Second- Cindy Myas	APPROVED	
Old Business:		Action Items/Decision	Owner and/or Due Date
NONE	Ben Merin: <ul style="list-style-type: none"> • SCEMSA has executed contract with American Heart Association for Get-With-The- 		



	<p>Guidelines, so we should have access soon to the data all the hospitals submit.</p> <ul style="list-style-type: none"> • Andy Hoedt: amendments going out to hospitals first part of June 2021. • Only contracted until the end of the year, then SCEMSA will need to find the funding to continue access. <p>Dr. Garzon:</p> <ul style="list-style-type: none"> • SCEMSA updated cardiac arrest policy so ROSC after initial shockable rhythm goes to PCI hospitals. 		
New Business:	Discussion	Action Items/Decision	Owner and/or Due Date
None	No policies to review this meeting		
Data Review and Analysis:	Discussion	Action Items/Decision	Owner and/or Due Date
STEMI Dashboards STEMI IFT Reports CARES data	<p>Formalizing the presentation of EMS data at all meetings, including the STEMI Care Committee.</p> <p>Dr. Garzon believes some lower percentages on dashboards are due to poor documentation.</p> <p>Time on scene to the first EKG: the goal is to get it under ten (10) minutes.</p>	PowerPoint(s) distributed to the committee with minutes.	Kathy Ivy



	<p>Prehospital ROSC:</p> <ul style="list-style-type: none"> • 2019: 17.4% • 2020: 21% <p>The overall survival rates:</p> <ul style="list-style-type: none"> • 2019: 6.27% • 2020: 8.71% <p>Kevin Mackey, MD: This was a trend seen nationwide. There was a rise in cardiac arrest in 2020, due to COVID.</p>		
Case Presentations:	Discussion	Action Items/Decisions	Owner and/or Due Date
<p>Kaiser Hospital, Roseville Mercy San Juan Medical Center</p>	<p>Kaiser Roseville: No case to present.</p> <p>Mercy San Juan: 62 y/o female not feeling well. The patient came in unresponsive and bradycardic and FBG in the 200's. DX was inferior ST-elevation myocardial infarction.</p> <p>Take-a-ways:</p> <p>Trust the system</p> <ul style="list-style-type: none"> • SCEMSA protocols emphasize actions that create better outcomes. • Both EMS providers & MICNs need to know the protocols to help each other. <p>Dr. Garzon: Good case it was tough with diagnosis based on presentation.</p>	<p>Kaiser Roseville did not realize they would present. They are a receiving facility for Sacramento so SCEMSA requests they present in rotation.</p> <p>Assure link attached with invite so hospitals have time to prepare.</p>	<p>Kathy Ivy</p>



Open Meeting Discussion Items	Discussion	Action Items/Decisions	Owner and/or Due Date
	<p>Cindy Myas: When validating Get-With-The-Guidelines, we are seeing a lot of four (4) leads and not twelve (12) leads. Anyone else or is this unique to us?</p> <p>David Buettner: I think we have to mine that information to see how it's being documented or delivered.</p> <p>Dr. Garzon: Some providers are reliably attaching the 12-Lead to the ePCR or leave it with the patients at the hospital.</p> <p>Cindy Myas: attaching to ePCR would be better than leaving a copy.</p> <p>Carol: agreed with attaching to ePCR.</p> <p>David Buettner: STEMI certification survey this Friday, May 21, 2021.</p> <p>Barbie Law, Chief: this is a documentation standard with Sacramento Metro. It is embedded in the ePCR.</p>	<p>Bring to MAC/OAC so all providers are reminded to leave 12-Leads</p>	<p>Kristin Bianco to add to MAC/OAC agenda.</p>
Adjournment:	Adjourned at 12:25	This meeting will be done both via Zoom and in-person	Next Meeting: August 17, 2021

STEMI Core Measures 2021-1Quarter

Core Measure	Definition	Patient Count	Percentage	Year	Quarter
ACS-01	Number of Patients 35 and older treated and transported to ED with a Primary (<i>or</i>) Secondary Impression of STEMI or Chest Pain Suspected Cardiac that received ASA	1312	76.83%	2021	1
ACS-04	Number of Patients with Primary (<i>or</i>) Secondary Impression of STEMI or ECG of STEMI - transported to a PCI capable hospital that had a STEMI Alert	155	83.87%	2021	1

Core Measure	Definition	Patient Count	Time	Year	Quarter
ACS-03	90th Percentile in minutes of Unit Arrived on Scene to Patient Arrived at Destination	125	0:31:20	2021	1
ACS-06	90th Percentile in minutes of Unit Arrived on Scene to First ECG	125	0:13:41	2021	1

Hospital	Treated & Transported Patients with Primary Impression of STEMI 2021 -1 st Quarter
Kaiser Roseville	5
Kaiser South	34
Mercy General	22
Mercy San Juan	35
Methodist	2
Sutter Sacramento	14
Sutter Roseville	5
UC Davis	3
Grand Total	120

Cares Data Reports 2019 vs 2020

Destination Hospital	2019	2020
Adventist Health Lodi Memorial	2	0
Kaiser Roseville	7	8
Kaiser Sacramento	119	131
Kaiser South Sacramento	152	187
Mercy General Hospital	18	46
Mercy Hospital of Folsom	21	22
Mercy San Juan Medical Center	163	260
Methodist Hospital of Sacramento	30	56
Sutter Medical Center Sacramento	82	90
Sutter Roseville Medical Center	0	4
UC Davis	74	108
VA Medical Center of Sacramento	25	32
Dead in Field or Efforts ceased due to DNR	248	423
Grand Total	941	1367

Initiated CPR	2019	%	2020	%
Bystander	125	13.28%	132	9.66%
EMS Responder (transport EMS)	298	31.67%	500	36.58%
Family Member	295	31.35%	417	30.50%
First Responder	118	12.54%	174	12.73%
Healthcare Provider (non-911 Responder)	99	10.52%	131	9.58%
Not Applicable	6	0.64%	13	0.95%
Grand Total	941	100.00%	1367	100.00%

First Monitored Rhythm	2019	2020
Asystole	527	766
Idioventricular/PEA	244	390
Unknown Shockable Rhythm	7	5
Unknown Unshockable Rhythm	13	19
Ventricular Fibrillation	141	177
Ventricular Tachycardia	9	10
Grand Total	941	1367

Sustained ROSC	2019	2020
No	742	1031
Yes, but pulseless at end of EMS care	35	49
Yes, pulse at end of EMS care	164	287
Grand Total	941	1367

ED Outcome / Hospital Discharge / Survival Rate (Cares Data)

Emergency Room Outcome	2019	2020
Admitted to hospital	241	351
Died in the ED	231	421
Not Applicable (Dead in Field or Pronounced dead in ED)	469	595
Grand Total	941	1367

Hospital Discharge	2019	2020
Total Expired	882	1248
Home/Residence	44	90
Rehabilitation facility	9	11
Skilled Nursing Facility/Hospice	6	18
Grand Total	941	1367

Survival Rate

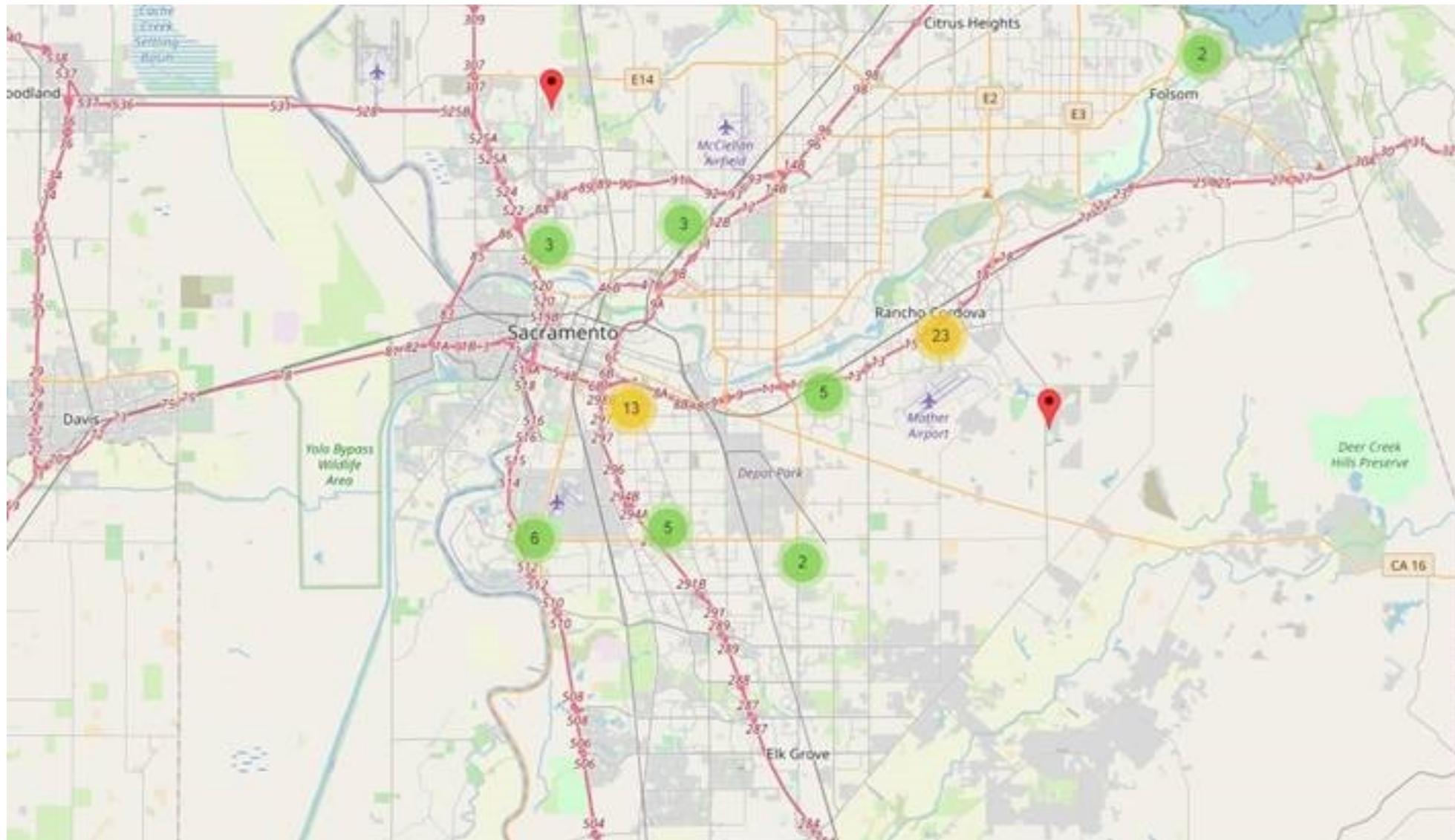
2019	2020
6.27%	8.71%

2021-1 st Quarter	Incident Count
EMS Data Documented Cardiac Arrest	248
Incidents with VT / VF + ROCS	23
Percentage	9.27%

SCEMSA 2020 STEMI Transports by Receiving Hospital

- Kaiser Hospital South – 178 (24 from KHN)
- Mercy General Hospital – 128 (45 are transfers from either Methodist or Mercy Folsom)
- Mercy San Juan – 141
- Sutter Medical Center Sacramento – 69 (30 come from the core downtown Sac and South Natomas area)
- Sutter Roseville Medical Center – 18
- UCD – 73 (23 from Rancho Cordova, and 11 of those from the VA)

2020 STEMI Tx to UCD



SCENE Calls -2021 1st Quarter Data	Incident Count	Notes
Responses	51,230	
Treated and Transported	30,239	(of Scene Calls).
Have Destination	1,613	Has Destination - Disposition is not Treated / Transported.
Coroners	316	Not included in Transported or Cancelled (of Scene Calls).
Cancelled	19,062	All incidents from Responses without a destination (of Scene Calls).
IFT's	3,302	
Air Transports	Incident Count	
Airfield to Hospital	159	Not Included in Scene calls
Airfield to Landing Zone	3	Not Included in Scene calls
Airfield to Other Location	2	Not Included in Scene calls
Primary Impressions of Scene calls Treated and Transported	Count	
Traumatic Injury	4,101	
General Weakness	3,666	
Abdominal Pain/Problems (GI/GU)	2,278	
Behavioral/Psychiatric Crisis	2,028	
Respiratory Distress/Other	1,730	
ALOC - (Not Hypoglycemia or Seizure)	1,459	
Non-Traumatic Body Pain	1,434	
Chest Pain - Suspected Cardiac	1,208	
Pain/Swelling - Extremity - non-traumatic	1,184	
Nausea/Vomiting	930	
Stroke / CVA / TIA	797	
Seizure - Post	780	
Syncope/Near Syncope	735	
Respiratory Distress/Bronchospasm	674	
Dizziness/Vertigo	657	
AMA/ Released / Refused / No Treatment of Scene Calls	Incident Count	
AMA's	3,552	
Patient Evaluated, No Treatment/Transport Required	2	
Patient Refused Evaluation/Care (Without Transport)	2,864	
Patient Treated, Released (per protocol)	826	
incidents miscoded as AMA/ Released / Refused / No Treatment	22	These incidents not included in above count, all had documented destination
Average Response Time ALS Capable	0:08:44	