



STEMI Program Partners Meeting
Tuesday, August 17, 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:

Agency	Representative	Present	Agency	Representative	Present
AHA	Elly Henderson	X	SCEMSA	Hernando Garzon, MD	X
AHA	Ron Loomis	X	SCEMSA	Ben Merin, EMS Coordinator	X
AHA	Andy Hoedt	X	SCEMSA	Kathy Ivy, EMS Specialist	X
Kaiser Permanente Medical	Terrence Horan	X	SCEMSA	Dorothy Rodriguez	X
Kaiser Permanente Medical	Jennifer Stewart RN	X	SCEMSA	Kristin Bianco	X
Kaiser Permanente Medical	Lisesel Buchner RN	X	UC Davis Medical	Heather Huston	X
Kaiser Permanente Medical	Gregory Smith MD	X	UC Davis Medical	Dawn Warner RN	X
Kaiser Permanente Medical	Wendin Gulbransen, RN	X	UC Davis Medical	Heather Huston	X
Sutter Medical Center	Jennifer Denno	X	UC Davis Medical	David Buettner, RN	X
Sutter Medical Center	Brenda McCulloch RN	X	Dignity Health	Jeff Carl, RN	X
Sutter Medical Center	Thomas Rhodes	X	Mercy San Juan Dignity	Sundeep Adusumali, MD	X
Sutter Medical Center	Debbie Madding	X	Dignity Health	Paige Greaves, RN	X
Sutter Medical Center	Lisa Hayhurst	X	AlphaOne Ambulance	Matthew Burruel	X
Sutter Medical Center	Debbie Madding	X	American Medical Response	Daniel Iniguez	X
		X	Cosumnes Fire Department	Julie Carrington, RN	X



Topic	Discussion (Key facts, Questions, Concerns)	Action Items/Decision	Owner and/or Due Date (if applicable)
Welcome and Introductions	Welcome, please put your name in the chatbox so we know who was/is present.	Chatbox not captured.	
Approval of Minutes – May 18, 2021	Meeting Minutes: Motion to approve- David Buettner Second-Thomas Rhodes	APPROVED	
Old Business:		Action Items/Decision	Owner and/or Due Date
Get-with-the-Guidelines Data	Dr. Garzon: <ul style="list-style-type: none"> • How many hospitals are submitting data? Has every hospital signed the amendments? • Elly Henderson, AHA: All hospitals are entering data but there are two (2) hospitals that have not signed amendments. • Ron Loomis, AHA, Amendments being turned in. • Jennifer Stewart-First time I saw the document was this morning. • Thomas Rhodes, no amendments yet. 	Send the list of hospitals that have not completed the amendments to Dr. Garzon	Elly Henderson
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	Dashboards reviewed. Dr. Garzon- Bystander CPR rate is 60%.	PowerPoint(s) distributed to the committee before meeting and attached to minutes.	Kathy Ivy
Case Presentations:	Discussion	Action Items/Decisions	Owner and/or Due Date
Sutter Roseville Mercy General	<p>-Mercy General deferred until the next meeting.</p> <p>-Lisa Hayhurst & Debbie Madding from Sutter Roseville present EMS to Cath Lab PowerPoint.</p> <ul style="list-style-type: none"> • 57 y/o female presenting to EMS with Chest Pain who self-administered nitro and ASA before EMS arrival. Inferior elevation noted. STEMI alert by EMS and activation of cath lab occurred. • Ron Loomis, AHA, what was the first medical contact to first ER intervention? Looks like about 93 minutes. • Dr. Garzon-EKG was at 2132 and stroke alert at 2143. When was the cath lab activated? Who decided in this case? • Debbie Madding-The transmitted EKG is received by the MICN and shared with our ED provider in ER. Often they consult with a cardiologist. • Ron Loomis, AHA- I notice you repeat the EKG upon arrival. If that EKG was different and didn't show the STEMI but the first one did, would you do anything different in your process? 		



	<ul style="list-style-type: none"> It is up to the interventional cardiologist to determine the care plan. 		
Open Meeting Discussion Items	Discussion	Action Items/Decisions	Owner and/or Due Date
	<ul style="list-style-type: none"> Thomas Rhodes, Sutter Sacramento- Feedback to EMS in the 24-48 hour window, what is the best process? We are thinking of having a poster in our ER with that information. Ben Merin- You can email it to me, currently the special care coordinator, and I will share it out with the appropriate EMS provider. Dawn Warner, UC Davis- I reached out to all EMS providers in our area, including other surrounding counties. I have a list I'd be happy to share. Every time a STEMI alert was activated we started the 48-hour clock. The exception is weekends and holidays. Thomas Rhodes- that would be great. Dawn Warner- UC Davis is proud to announce we received our primary heart attack certification last week. Dr. Garzon-Thank you everyone for attending. The next meeting is on November 16, 2021. 		
Adjournment:	Adjourned at 1300	This meeting will be done both via Zoom and in-person	Next Meeting: November 16, 2021

SCENE Calls – 2021-2Quarter	Incident Count	Notes
Responses	56,096	
Average Response Time (ALS Capable unit notified to Arrived Scene)	0:07:45	
Treated and Transported	32,295	(of Scene Calls Responses).
Treated and Transferred Care / Assist Unit	4,220	
Transported By Law Enforcement	2	
Coroners	282	
Cancelled	23,801	Includes Coroners and Transfer Care / Assist Unit / Transported by Law
RST -4 (Percentage of Response with Lights and Sirens)	40.03%	Numbers artificially low due to eResponse.24 not consistently collected
RST -5 (Percentage of Transports with Lights and Sirens)	8.10%	
IFT's	3,364	
Primary Impressions of Scene calls treated and transported	2021-2Q	
Traumatic Injury	4824	
General Weakness	3641	
Abdominal Pain/Problems (GI/GU)	2509	
Behavioral/Psychiatric Crisis	2324	
Non-Traumatic Body Pain	1614	
ALOC - (Not Hypoglycemia or Seizure)	1447	
Chest Pain - Suspected Cardiac	1338	
Respiratory Distress/Other	1335	
Pain/Swelling - Extremity - non-traumatic	1181	
Nausea/Vomiting	1051	
Syncope/Near Syncope	940	
Seizure - Post	853	
Stroke / CVA / TIA	804	
Dizziness/Vertigo	722	
Overdose/Poisoning/Ingestion	635	
AMA/ Released / Refused / No Treatment of Scene Calls	Incident Count	
AMA's	4,003	
Patient Refused Evaluation/Care (Without Transport)	3,254	
Patient Treated, Released (per protocol)	788	

STEMI Core Measures 2021-2Quarter

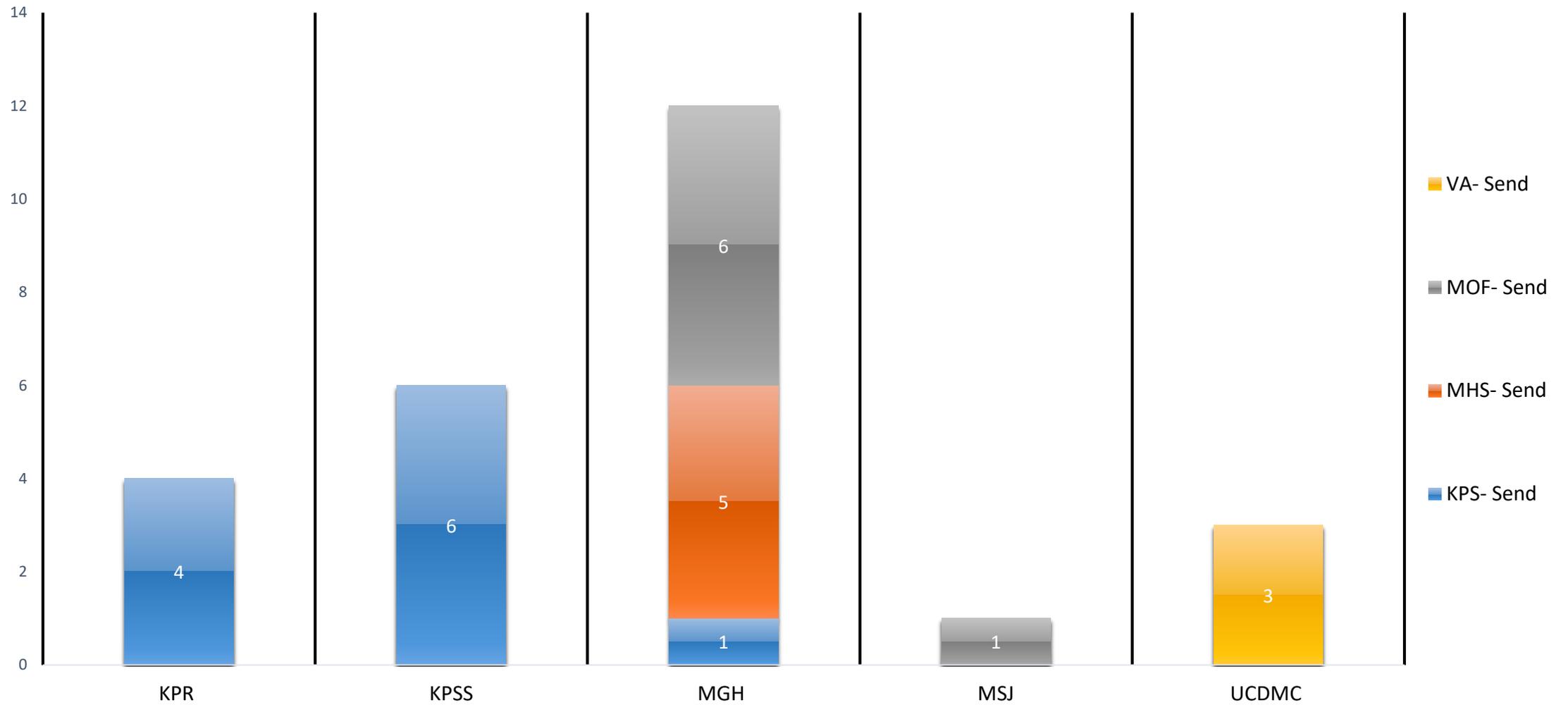
Core Measure	Definition	Patient Count	Percentage	Year	Quarter
ACS-01	Number of patients 35 and older treated and transported to ED with a Primary (<i>or</i>) Secondary Impression of STEMI or Chest Pain Suspected Cardiac that received ASA	1484	76.82%	2021	2
ACS-04	Number of patients with Primary (<i>or</i>) Secondary Impression of STEMI or ECG of STEMI - transported to a PCI capable hospital that had a STEMI alert	185	88.11%	2021	2

Core Measure	Definition	Patient Count	Time	Year	Quarter
ACS-03	90th Percentile in minutes of Unit Arrived on Scene to Patient Arrived at Destination (Primary Impression of STEMI)	146	35:01	2021	2
ACS-06	90th Percentile in minutes of Unit Arrived on Scene to First ECG (Primary Impression of STEMI)	146	14:25	2021	2

Distribution of Treated & Transported Patients with Primary Impressions of STEMI / Chest Pain Suspected Cardiac -2021-2Quarter

Hospital	Chest Pain Suspected Cardiac	STEMI
Adventist Health Lodi Memorial	3	
Kaiser Permanente, Roseville Medical Center	88	11
Kaiser Permanente, Sacramento Medical Center	147	1
Kaiser Permanente, South Sacramento Medical Center	177	33
Mercy General Hospital	145	22
Mercy Hospital of Folsom	62	
Mercy San Juan Medical Center	217	46
Methodist Hospital of Sacramento	72	
Sacramento VA Medical Center	17	
Sutter Medical Center - Sacramento	217	22
Sutter Roseville Medical Center	63	3
UC Davis Medical Center	130	8
Grand Total	1338	146

IntraFacility Transfers with a Primary Impression of STEMI
2021-2Quarter -EMS Data

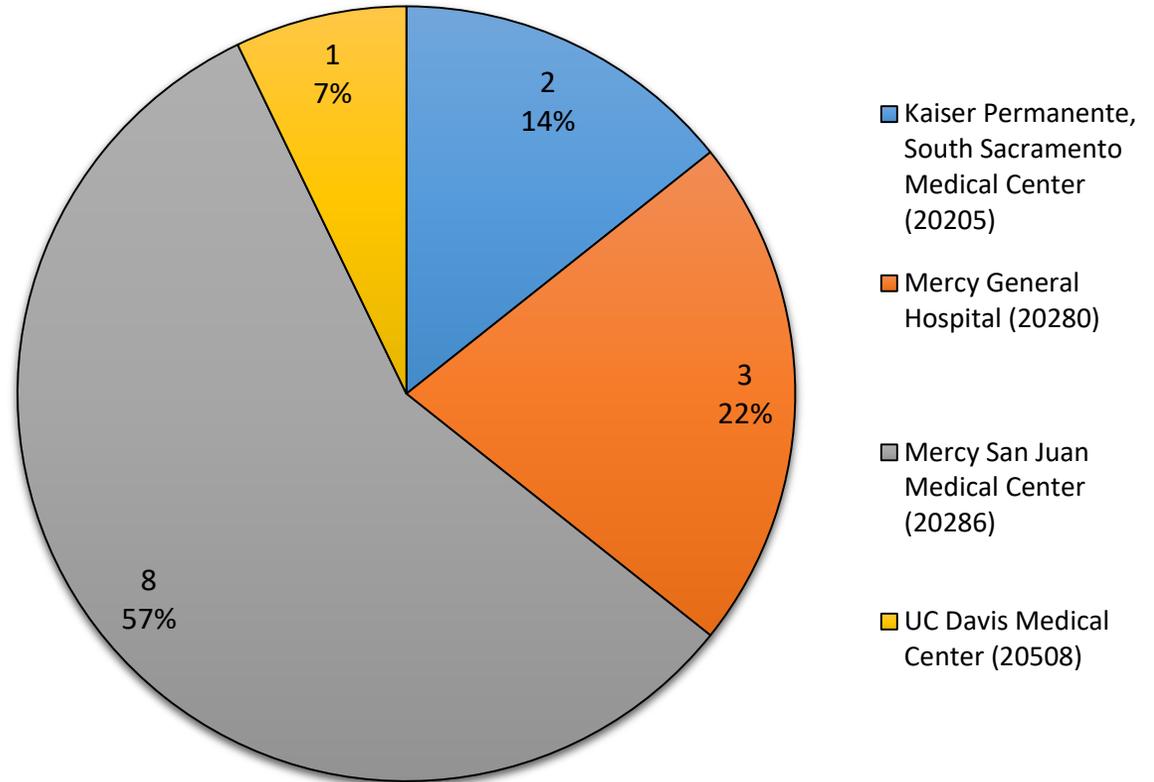


43 Patients documented VT/VF
14 had +ROSC (32%)

Primary Impressions of +ROCS

- 12- Cardiac Arrest -Non-traumatic
 - 1- Chest Pain - STEMI
 - 1- Traumatic Arrest
-

Distribution of Patients with VT/VF and +ROSC



Cares Utstein Report 2021-1Q Sacramento vs National Presumed Cardiac Cares Cases

Cardiac Etiology Survival Rates - Sacramento 2021-1Q

Overall:	4.8% (311)
Bystander Wit'd:	6.0% (117)
Unwitnessed:	2.4% (169)
Utstein ¹ :	15.8% (38)
Utstein Bystander ² :	21.4% (28)

Bystander Intervention Rates³

CPR:	53.0% (253)
Public AED Use:	14.3% (28)

Cardiac Etiology Survival Rates - National 2021-1Q

Overall:	6.3% (31304)
Bystander Wit'd:	9.1% (12175)
Unwitnessed:	2.5% (15807)
Utstein ¹ :	21.8% (3237)
Utstein Bystander ² :	24.5% (1916)

Bystander Intervention Rates³

CPR:	40.0% (23481)
Public AED Use:	10.0% (3063)

Only data from the previous calendar year is fully audited. Data from the current calendar year is dynamic.

Cares Utstein Report 2021-2Q Sacramento vs National Presumed Cardiac Cares Cases

Cardiac Etiology Survival Rates - Sacramento 2021-2Q

Overall:	4.9% (244)
Bystander Wit'd:	5.8% (103)
Unwitnessed:	3.2% (126)
Utstein ¹ :	14.3% (28)
Utstein Bystander ² :	11.1% (18)

Bystander Intervention Rates ³

CPR:	60.6% (193)
Public AED Use:	6.2% (32)

Cardiac Etiology Survival Rates - National 2021-2Q

Overall:	6.8% (25298)
Bystander Wit'd:	10.4% (9830)
Unwitnessed:	2.8% (12765)
Utstein ¹ :	22.6% (3054)
Utstein Bystander ² :	25.0% (1812)

Bystander Intervention Rates ³

CPR:	41.0% (19140)
Public AED Use:	11.5% (3059)

Only data from the previous calendar year is fully audited. Data from the current calendar year is dynamic.