



STEMI Care Committee Meeting
 Tuesday, May 21st, 10:00 AM –12:00 PM

Facilitator: Gregory Kann, M.D.; EMS Agency Medical Director

Meeting Minutes: Yvonne Newson, EMS Specialist

ITEM	Details (Key facts, Questions, Concerns)	Action Items/Decision
Welcome and Introductions	Meeting start time 10:00 am	None
Approval of Minutes – February 20, 2024	Motion: Wendin Gulbransen Second: Brian Morr	None
Old Business	Discussion	Action Items/Decision
GWTG and ImageTrend Patient Registry	<p>Sydney Freer—State regulations are being updated and are open for public comment. Part of that update involves putting hospital data into ImageTrend Patient Registry. Sutter Sacramento and Sacramento County are the first in the state to be doing this. Eventually, this will have to be done by all hospitals. Data upload into the patient registry will need to be done by 90 days past the quarter. The first deadline is <i>June 30th</i> for 1st quarter of this year.</p> <p>Serina Felcher – A lot easier than I thought it would be. Because instead of sending the data to multiple counties, I just have to upload it to the repository.</p>	SCEMSA will send instructions to STEMI contacts for data uploads.



	<p>Brian Morr—At the Last meeting, it was explained to me that I could not access the state database down to the individual provider. Is that still correct?</p> <p>Sydney Freer—Yes. With the reports that I am pulling from Imagetrend, they have either the agency that delivered the patient and/or the ePCR number, so I can look it up on the EMS data side. The goal of the STEMI hospital data more of a general view of what our hospitals are doing.</p> <p>Debbie Madding – Do you know if they plan on Stroke and Trauma to be on Imagetrend?</p> <p>Sydney Freer—Stroke and Trauma currently do. I don't believe you guys do Sutter Roseville, but I have contacted SSV to see if I could see the Sacramento Patients. I am waiting for approval and figuring out how we could view that.</p> <p>Luz Aguilar—I'm glad to hear that some sites have already started using the uploads and are working. If there is anyone who has not started and would like some help, I would be happy to assist.</p>	
New Business	Discussion	Action Items/Decision
<p>Policies to Review: #PD 8024.36</p> <p>#PD 8827.13</p>	<p style="text-align: center;"><u>Cardiac Dysrhythmias</u></p> <p>No changes have been made No comments</p> <p style="text-align: center;"><u>12-Lead ECG</u></p> <p>Greg Kann—There is a small change. Under the old policy under special considerations “.C,” repeat EKGs can be performed if the patient's clinical presentation</p>	



	<p>changes, but otherwise, pre-hospital serial EKGs are indicated due to the high rate of false alerts.</p> <p>Tressa Naik – Are you asking them to obtain 3 EKGs? (viewing the policy changes to 8031)</p> <p>Sydney Freer – We just did this, and it got sent out with the MAC policies. We have <i>5 minutes later</i>, but that can be changed.</p> <p>Brian Morr – 2 recommendations would include</p> <ul style="list-style-type: none"> • <i>Post ROSC EKG should be performed (if done 7 minutes after ROSC, it is more accurate)</i> • Aggressive use of EPI and Transcutaneous Pacing <p>Also, in the study, we think the BP is too low.</p> <p>Tressa Naik – I would say, “EKGs are particularly useful after 7 minutes of ROSC.”</p> <p>Brian Morr – Also, the question for the hospitals: When paramedics call in, they usually issue a CPR or STEMI Alert, but occasionally, it’s both. If you are MICN and given post-CPR, should that flag you instantly, with the system we have, to take a second look before we activate?</p> <p>Amelia Hart – I am willing to push out that and you as well on your end. “Hey, we got ROSC 7 minutes ago,” and my MICN can ask—if not mentioned—for the time of EKG post ROSC.</p> <p>Greg Kann – Also, under “Considerations,” we can put in a comment for the STEMI report to include the 7-minute EKG</p>	<p>Verbiage to be finalized at MAC</p>
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Data Review and Analysis	Discussion	Action Items/Decisions
EMS STEMI Data	<p style="text-align: center;"><u>STEMI Data 2024 1st Quarter</u></p> <p>Slide 1: Documentation concerns on IV initiated and location</p> <p>Slide 2: STEMI Dashboard</p> <ul style="list-style-type: none"> Over 65% have STEMI alerts but no documentation of (+) ECG of STEMI on eVitals.03 or eDevice.08. <p>Slide 3: Discussion on Agencies that are running more STEMI calls than what is being pulled on the SCEMSA side. This is a possible documentation issue, and it will be brought into TAG for further discussion.</p> <p>Slide 4: First ECG for Primary Impression of STEMI</p>	Further discussion in TAG
Case Presentations	Discussion	Action Items/Decisions
Case Presentation: MSJ	<u>Mercy San Juan Presentation - Scott Bruton</u>	
Round Table	Discussion	Action Items/Decisions
	Tressa Naik – Informing everyone that they may get an email to the QI people on the fire side. Looking into Dispatch, CPR instructions, and CARES data.	
Adjournment	Adjourned at 11:15 am	Next meeting: August 20, 2024 10 am – 12 pm



**Department of Health Services Emergency Medical Services Agency
STEMI Care Committee
2024 Case Presentation Rotation**

Date:	2/20/2024	5/21/2024	8/20/2024	11/19/2024
KHR		X		
KHS	X			
MGH			X	
MSJ		X		
SMCS				X
SRMC			X	
UCDMC				X

STEMI Liaisons

Contacts	KHR	KHS	MGH	MSJ	SMCS	SRMC	UCD
Primary	Heather Beere, MSN, MBA	Jennifer Bowers	Maryam Gol	Scott Brunton, RN	April Yeargin, RN STEMI	Debbie Madding, RN, BS, MICN	Taufa Lee
Secondary		Wendin Gulbransen		Amelia Hart	Serina Felcher	George Fehrenbacher, Dr	Jeremy Veldstra RN-MICN

SCENE Calls (911-Response) - 2024 - 1Quarter	Incident Count	Percentages	Notes
Total ePCRs received	83,107	100%	All records
Responses (911-Response/Primary Response Area "PRA")	59,858	72.03%	of total responses
Treated and Transported (of 911-Response/PRA)	33,169	55.41%	of 911 responses transported to the ED
Primary Impressions of Scene calls treated and transported	Incident Count	Percentages	Notes
Chest Pain - STEMI	158	0.48%	
Chest Pain - Suspected Cardiac	1,159	3.49%	
Syncope/Near Syncope	889	2.68%	
IV Starts	Incident Count	Percentages	Notes
Right Side	74	5.62%	of treated and transported with Primary Impression STEMI / Suspected Cardiac
Left Side	338	25.66%	of treated and transported with Primary Impression STEMI / Suspected Cardiac
Not Recorded/Not Applicable/Blank	905	68.72%	of treated and transported with Primary Impression STEMI / Suspected Cardiac

STEMI Dashboard - EMS Data

STEMI	System Total 2023 2Q	System Total 2023 3Q	System Total 2023 4Q	System Total 2024 1Q
Total transported patients with primary impression of STEMI	126	191	157	158
90 th Percentile Scene Time to Unit Depart Scene of Primary Impression STEMI and (+) ECG of STEMI (Transporting Unit)	00:18:14	0:19:00	0:23:31	0:18:45
Patient with eVitals.03 or eDevice.08 documenting ECG of STEMI	60	65	56	49
Percentage of STEMI primary impressions with a STEMI ECG	47.62%	34.03%	35.67%	31.01%
Patients with a pre-arrival notification (of STEMI ECG)	56	52	53	46
% Pre-arrival notification (of STEMI ECG)	93.33%	80%	94.64%	93.88%
Total of patients with No ECG of STEMI documentation, but with a STEMI pre-arrival notification		106	86	104
% Pre-arrival notification (No ECG STEMI / Total)		55.50%	54.78%	65.82%

STEMI Primary Impression for Treated and Transported Patients

Hospital Name	2023-2Q	2023-3Q	2023-4Q	2024-1Q
KHR	8	18	9	11
KHN	0	0	0	1
KHS	37	36	53	37
MHF	2	0	1	0
MGH	12	37	22	25
MSJ	39	43	42	38
SMCS	15	30	15	22
MHS	1	1	1	0
SRMC	4	8	5	8
UCD	8	18	9	16
Out of Area	0	0	0	0
Totals	126	191	157	158

Transporting Unit Arrived Scene to First ECG for Primary Impression of STEMI or ECG of STEMI in Decimal Minutes*

Patients with ECG prior to arrival time excluded from report.

Transporting Agency	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total Average
Agency 1	7.38	8.06	8.36	7.58	4.38	10.86	13.40	8.63	15.42	5.36	5.63	5.58	8.39
Agency 2	11.39	7.42	7.38	8.43	9.88	4.88	11.67	5.77	8.87	8.71	6.81	7.29	8.21
Agency 3	15.19	9.00	11.15	10.80	15.74	10.58	18.23	15.41	15.53	14.59	9.93	10.72	13.07
Agency 4	5.40	3.57	4.34	4.46	4.86	4.30	8.31	6.53	4.21	5.08	4.72	5.81	5.13
Agency 5	8.72	17.41	14.95	8.69	8.34	6.66	3.07	8.22	9.95	4.4	5.89	5.25	8.46
Agency 6	13.17	11.49	15.79	7.38	6.80	10.79	5.38	0.00	0.00	0.00	0.00	0.00	5.90
System	10.21	9.49	10.33	7.89	8.33	8.01	10.01	7.43	9.00	6.36	5.50	5.78	8.19

Patient Count per Agency of STEMI Primary Impression or ECG of STEMI

Transporting Agency	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Agency 1	8	7	8	4	6	4	11	6	13	6	7	4	84
Agency 2	21	19	20	22	22	19	19	19	22	10	16	25	234
Agency 3	4	1	4	2	4	4	4	7	3	3	6	3	45
Agency 4	11	16	14	19	20	19	16	16	21	24	15	21	212
Agency 5	5	4	6	6	3	7	4	4	5	3	3	4	54
Agency 6	4	4	6	8	12	10	6	10	6	1	4	2	73
Total	53	51	58	61	67	63	60	62	70	47	51	59	702