



MATTHEW CONSTANTINE
DIRECTOR

EMERGENCY MEDICAL SERVICES SYSTEM COLLABORATIVE MEETING

Thursday
August 3, 2017





KERN COUNTY
Public Health Services
DEPARTMENT

MATTHEW CONSTANTINE
DIRECTOR

INTRODUCTIONS



Agenda - EMS System Collaborative

2:00 PM Thursday, August 3, 2017

Public Health Office, San Joaquin Room, 1800 Mt. Vernon Ave., Bakersfield



	What	Who	Why	Time*
1	Introductions/Welcome	Jeff Fariss	Participant familiarization	2 min.
2	EMS Staff Changes	Jeff Fariss	Provide updated information on EMS staffing changes	2 min.
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11	Announcements	All	Participant and Staff Updates	5 min.

EMS CALL SIGNS

- EMS 1 – Chris Niswonger
- EMS 2 – Jeff Fariss
- EMS 3 – George Baker
- EMS 4 – Nick Lidgett
- EMS 5 – Kim Tollison
- EMS 6 – Danny Caverhill

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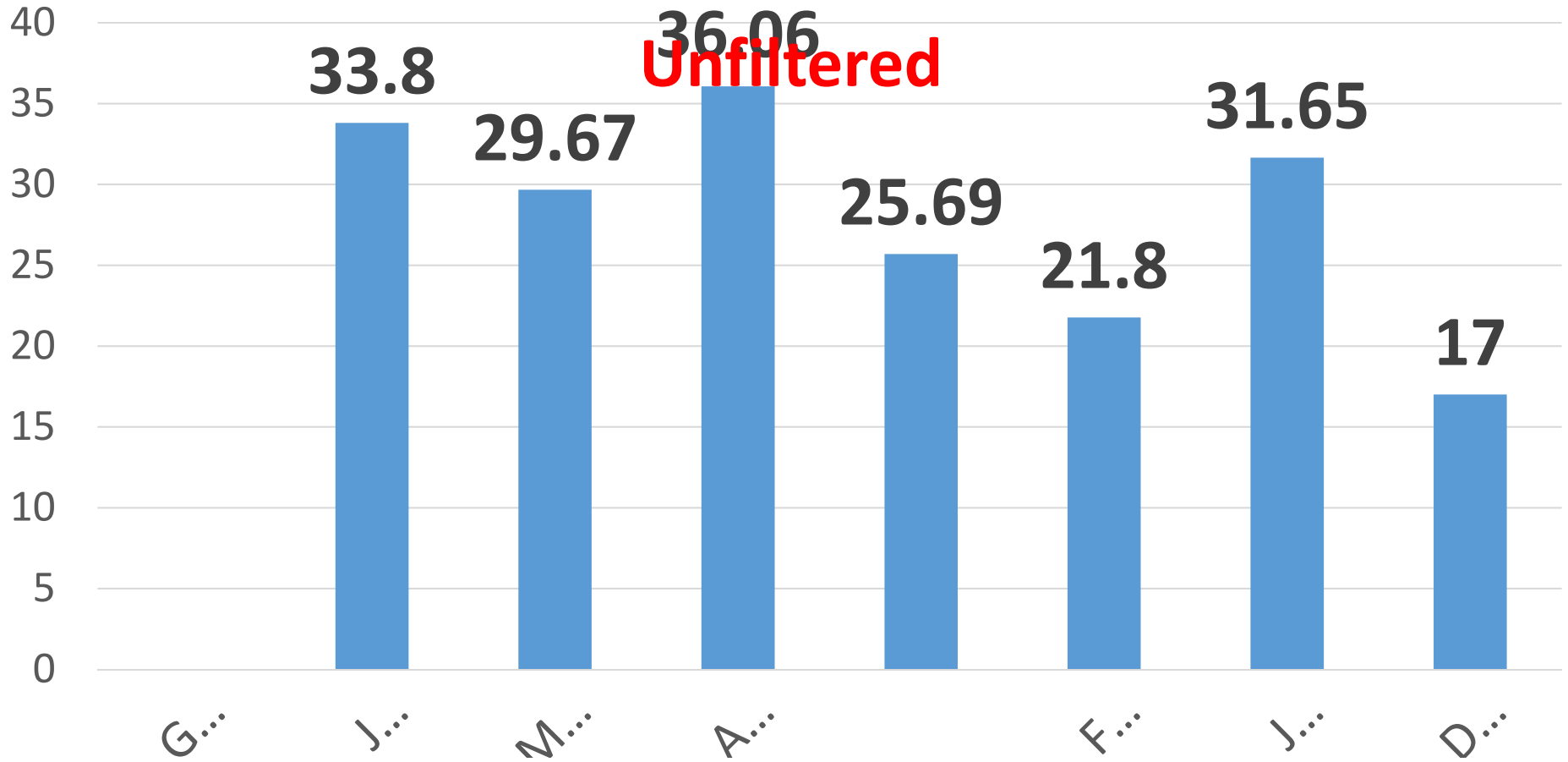


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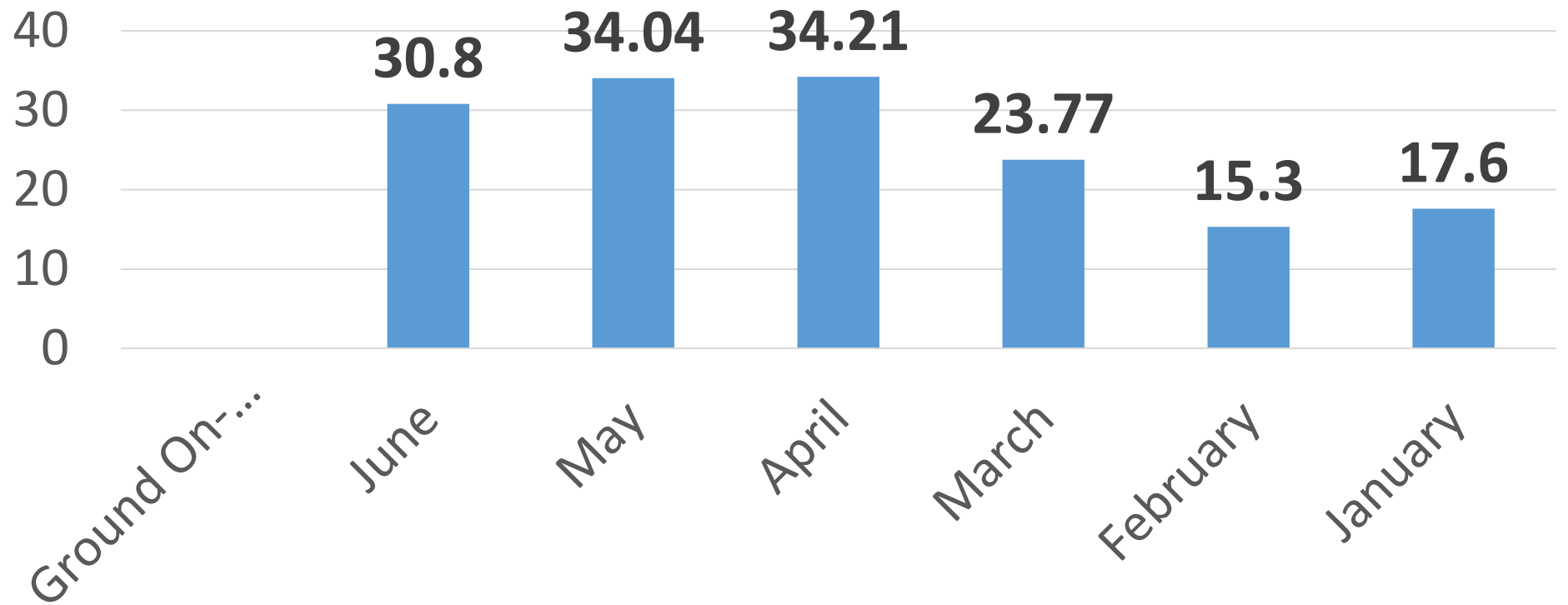
TEC Update

August 3rd 2017

Ground On Scene Time 90th Percentile -

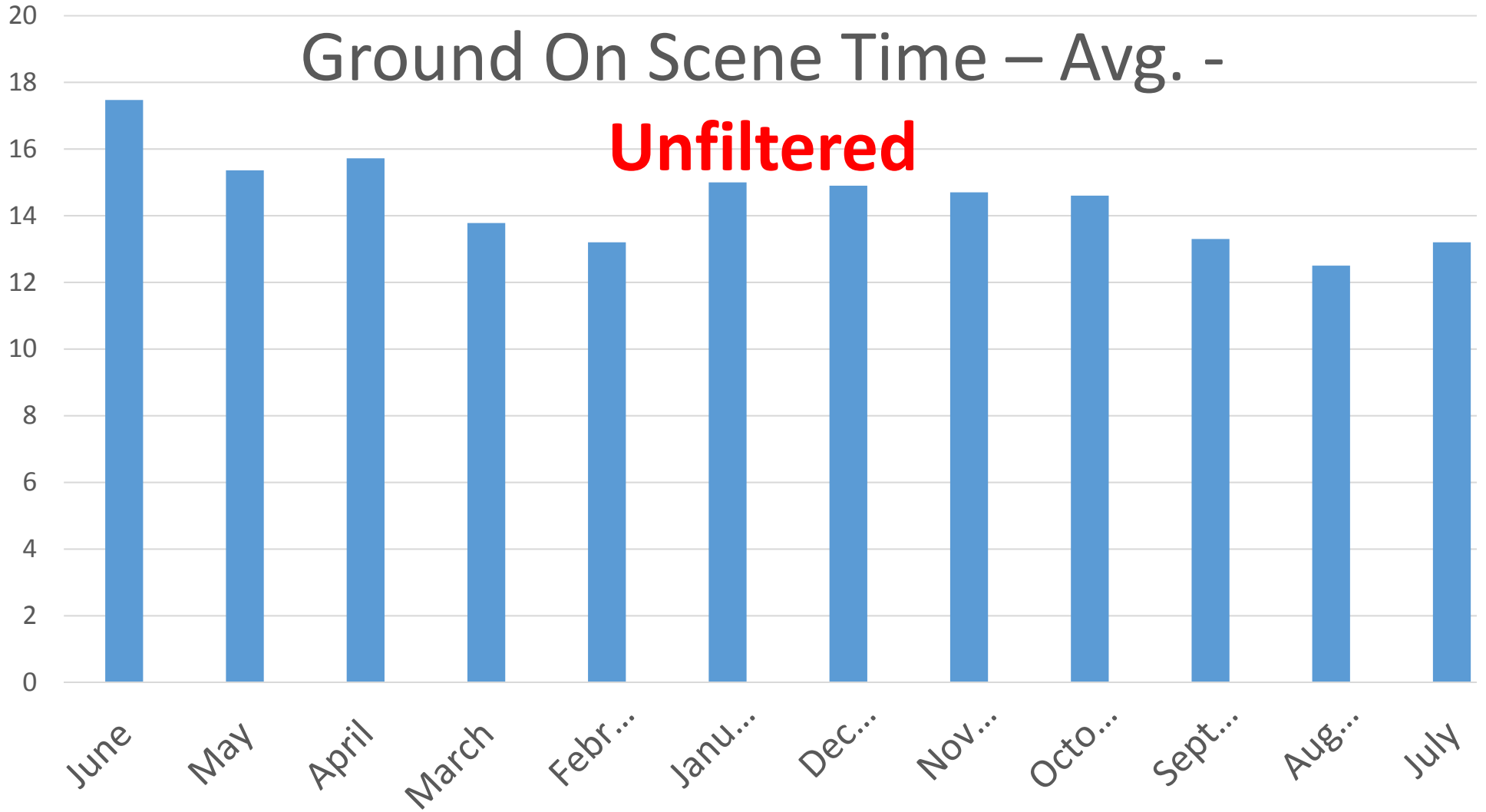


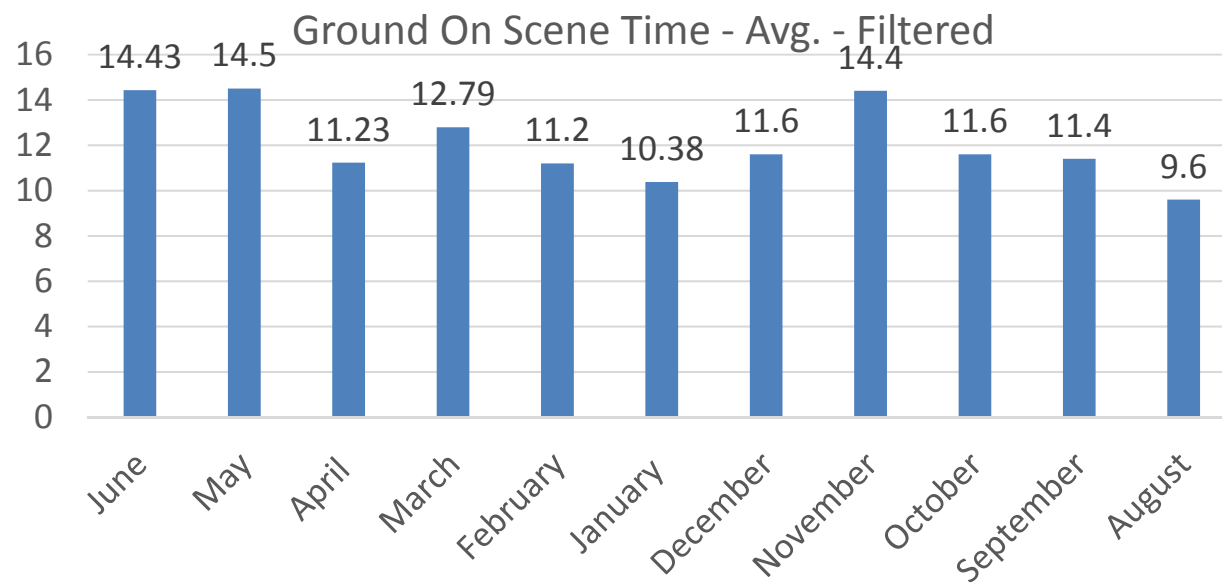
Ground On Scene Time 90th Percentile - Filtered



Ground On Scene Time – Avg. -

Unfiltered





Reported Delay	November December											
	July	August	September	October	November	December	January	February	March	April	May	June
None- Under 10 Min	21	9	11	14	14	18	13	18	13	15	12	4
None- Over 10 Min	12	7	8	15	16	6	8	11	8	7	9	7
Other- Description	6	4	8	9	0	0	7	3	8	3	4	2
Other- No Description	0	0	0	2	11	3	4	1	4	0	6	0
Safety/Crowd/Staff	4	3	2	0	0	1	3	2	3	3	3	1
Language Barrier	0	0	0	0	0	0	0	0	0	1	0	0
Extrication >20min Distance/Vehicle	0	0	0	3	3	2	3	0	3	2	2	0
Crash	0	0	0	0	0	1	1	0	0	2	2	0
Patient Access	0	0	0	0	0	0	0	0	0	0	1	1
Reporting Error	0	0	0	1	0	0	0	0	1	0	0	0
Extremis	0	0	0	0	0	0	0	0	1	0	0	0
Calls Over 10 min	53%	56%	62%	68%	68%	44%	56%	31%	63%	56%	62%	73%
Total Calls	45	23	29	44	44	34	39	36	38	32	39	15

	Trauma Center	Landing Zone	Other Hospital
July	43	5	2
August	23	4	0
September	29	1	0
October	43	10	1
November	43	0	1
December	29	1	1
January	27	3	2
February	34	2	0
March	36	1	1
April	31	2	3
May	37	2	0
June	9	5	1

Next Meeting

August 17th 2:00 PM Upstairs Conference Room.

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RESUSCITATION ACADEMY

A foundation committed to improving cardiac arrest survival rates

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ReddiNet

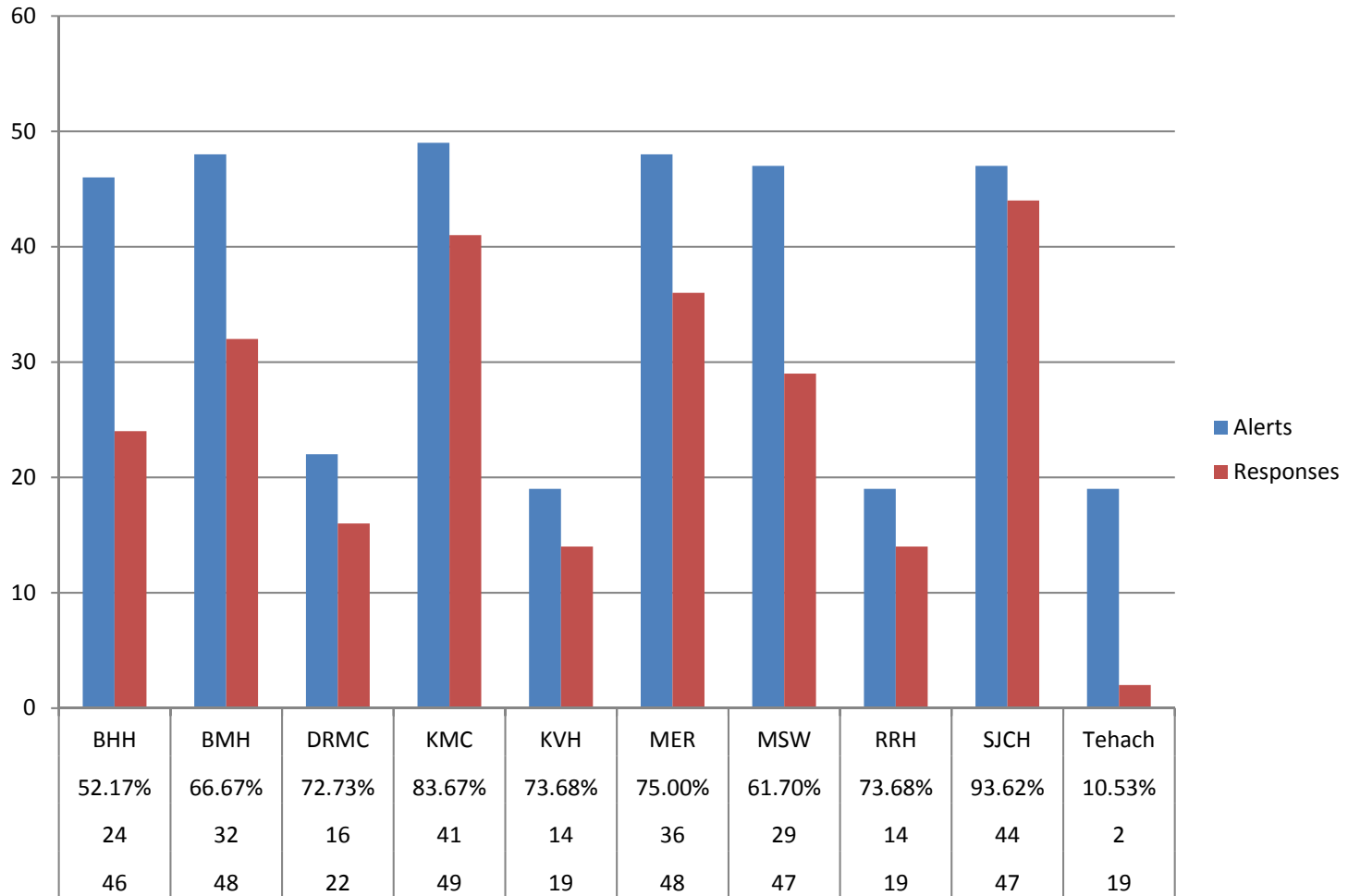
Bed Availability / MCI Response

MCI Response

June		
	Notice	Response
BHH	5	5
BMH	5	3
DRMC	1	1
KMC	5	5
KVH	1	1
MER	5	3
MSW	5	3
RRH	1	0
SJCH	5	5
Tehach	1	0

July		
	Notice	Response
BHH	14	6
BMH	14	9
DRMC	9	9
KMC	14	7
KVH	8	8
MER	14	11
MSW	13	8
RRH	8	5
SJCH	14	12
Tehach	8	0

Year To Date



Patient Distribution

	Pt Dist				
	I	D	M	Total	
BHH	0	0	0	0	0.00%
BMH	0	0	10	10	6.10%
DRMC	1	3	0	4	2.44%
KMC	10	21	56	87	53.05%
KVH	0	0	0	0	0.00%
MER	0	1	19	20	12.20%
MSW	0	1	13	14	8.54%
RRH	0	0	7	7	4.27%
SJCH	0	1	13	14	8.54%
Tehach	0	0	8	8	4.88%
			Total	164	

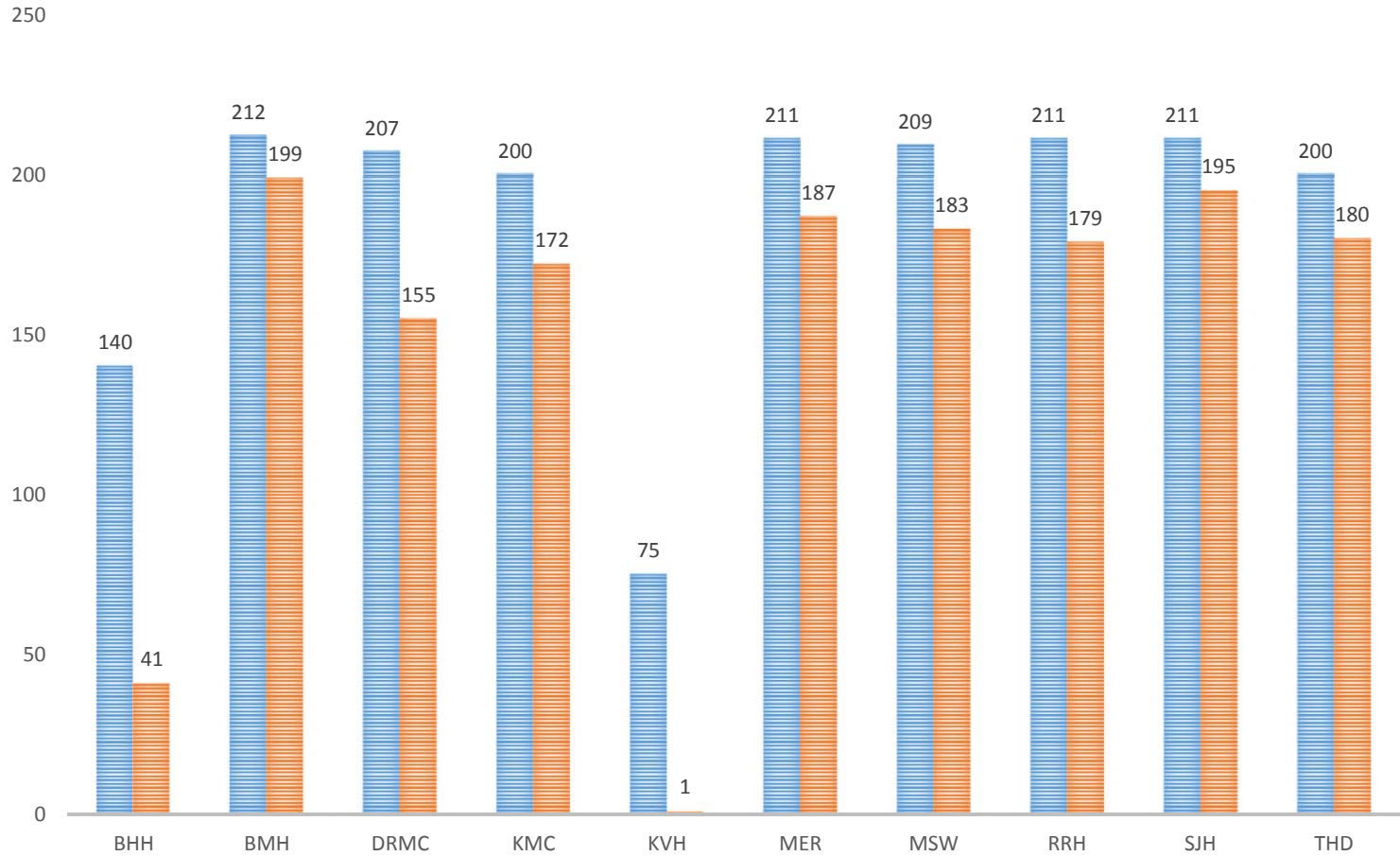
Bed Availability

June		Number of Days B.A. Reported	Number of Days B.A. not reported	Number of Days B.A. reported >1
	BHH	25	5	14
	BMH	30	0	29
	DRMC	29	1	19
	KMC	29	1	24
	KVH	4	26	0
	MER	30	0	25
	MSW	30	0	28
	RRH	30	0	29
	SJH	30	0	30
	THD	26	4	25

July		Number of Days B.A. Reported	Number of Days B.A. not reported	Number of Days B.A. reported >1
	BHH	31	0	24
	BMH	31	0	31
	DRMC	30	1	20
	KMC	31	0	21
	KVH	14	17	0
	MER	31	0	28
	MSW	31	0	29
	RRH	31	0	30
	SJH	31	0	26
	THD	27	4	26

2017

■ Number of Days B.A. Reported ■ Number of days B.A. reported >1



July 31st =
212 Day of
Year

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- 100% 3.4 Compliant
 - California City Fire
 - Delano Ambulance
 - Edwards Air Force Base
 - Hall Ambulance Service
 - Kern County Fire (Pine Mt. Club)
 - Kern County Sheriff
 - Liberty Ambulance
 - Mercy Air
 - Rio Tinto Minerals (Borax)



- Non Compliant
 - M&S Security

- CEMSiS UPDATE
 - Tuesday, August 8th, Fresno

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AMBULANCE PATIENT OFFLOAD TIMES

June/July 2017

APOT – 1 June

Hospital	June	
	Transports	90th Percentile APOT Time
Bakersfield Heart Hospital	233.00	63.01
Bakersfield Memorial Hospital	1292.00	97.08
Delano Regional Medical Center	269.00	24.00
Kern Medical	927.00	50.00
Kern Valley Healthcare District	158.00	15.10
Mercy Hospital	575.00	48.64
Mercy Southwest Hospital	509.00	57.00
Ridgecrest Regional	232.00	6.00
San Joaquin Community Hospital	1701.00	60.08
Tehachapi Hospital	75.00	28.41
EMS System Total (Aggregate)	5,971	

APOT – 1 July

Hospital	July	
	Transports	90th Percentile APOT Time
Bakersfield Heart Hospital	313.00	54.08
Bakersfield Memorial Hospital	1502.00	120.20
Delano Regional Medical Center	303.00	23.08
Kern Medical	1016.00	54.97
Kern Valley Healthcare District	182.00	14.00
Mercy Hospital	699.00	56.20
Mercy Southwest Hospital	586.00	52.59
Ridgecrest Regional	240.00	7.00
San Joaquin Community Hospital	1949.00	61.15
Tehachapi Hospital	112.00	27.87
EMS System Total (Aggregate)	6,902	

APOT – 2 July

Hospital	July									
	2.1		2.2		2.3		2.4		2.5	
	transp	%	transp	%	transp	%	transp	%	transp	%
Bakersfield Heart Hospital	135	43%	153	49%	21	7%	4	1%	0	0%
Bakersfield Memorial Hospital	371	25%	730	49%	249	17%	77	5%	75	5%
Delano Regional Medical Center	262	86%	40	13%	1	0%	0	0%	0	0%
Kern Medical	273	27%	670	66%	69	7%	4	0%	0	0%
Kern Valley Healthcare District	176	97%	5	3%	1	1%	0	0%	0	0%
Mercy Hospital	267	38%	369	53%	58	8%	5	1%	0	0%
Mercy Southwest Hospital	244	42%	297	51%	43	7%	0	0%	2	0%
Ridgecrest Regional	238	99%	2	1%	0	0%	0	0%	0	0%
San Joaquin Community Hospital	622	32%	1125	58%	183	9%	18	1%	1	0%
Tehachapi Hospital	73	65%	39	35%	0	0%	0	0%	0	0%
2.1	Within 20 minutes									
2.2	Between 21 and 60 minutes									
2.3	Between 61 and 120 minutes									
2.4	Between 121 and 180 minutes									
2.5	Greater than 180 minutes									

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Title 22 Division 9 Chapter 2 EMT Regulations Update

Basic Scope of Practice of EMT

ADMINISTER NALOXONE OR OTHER OPIOID ANTAGONIST BY INTRANASAL AND/OR INTRAMUSCULAR ROUTES FOR SUSPECTED NARCOTIC OVERDOSE.

ADMINISTER EPINEPHRINE BY AUTO-INJECTOR FOR SUSPECTED ANAPHYLAXIS AND/OR SEVERE ASTHMA.

Disclaimer: Neither of these have been approved by the Kern County EMS Department.

PERFORM FINGER STICK BLOOD GLUCOSE TESTING.

ADMINISTER OVER THE COUNTER MEDICATIONS, WHEN APPROVED BY THE MEDICAL DIRECTOR, INCLUDING, BUT NOT LIMITED TO:

ASPIRIN

Disclaimer: Neither of these have been approved by the Kern County
EMS Department

Title 22 Division 9 Chapter 2

EMT Regulations Update

EMT Optional Skills

**ADMINISTRATION OF EPINEPHRINE BY PREFILLED SYRINGE
AND/OR DRAWING UP THE PROPER DRUG DOSE INTO A
SYRINGE FOR SUSPECTED ANAPHYLAXIS AND/OR SEVERE
ASTHMA.**

**MONITOR PREEXISTING VASCULAR ACCESS DEVICES AND
INTRAVENOUS LINES DELIVERING FLUIDS WITH ADDITIONAL
MEDICATIONS PRE-APPROVED BY THE DIRECTOR OF AUTHORITY.**

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QUALITY IMPROVEMENT

Chapter 12 QI Policy

- Base Hospitals
 - Personnel
 - Activity indicators
 - Number of EMS call-in requesting orders received
 - Order per physician
 - Time lapse from call in to pick up
 - Equipment and Supplies
 - Inventory control
 - Documentation
 - Accuracy outcome reporting
 - Written record with patient/chart

Cont

- Base Hospitals
 - Clinical Care and Patient Outcome
 - Fluid management
 - Medication errors
 - Inappropriate treatments
 - Critical patient outcomes
 - Skills Maintenance/Competency
 - Unrecognized procedure miss (IO, ETI, Cric, Chest Decompression)
 - Transportation/Facilities
 - Destination decision
 - APOT

Cont

- Base Hospital
 - Public Education and Prevention
 - Prevention programs, patient satisfaction, patient education
 - Sidewalk CPR
 - Lunch and Learn
 - Risk Management
 - OSHA compliance
 - Post incident peer review
 - Personal safety
 - QI Team
 - Internal
 - Participation with LEMSA

Due Date

- Please turn in by June 30, 2017
 - farissj@kerncounty.com

CARES REGISTRY

- We need to get the CARES Applications from Liberty and Hall so that we complete the process.

UPCOMING MEETINGS

- Medical Directors Forum – September 7, 1pm
- QI Meetings – September 21;
 - 8:30am – EMD
 - 9:30am – STEMI
 - 10:30am – Stroke
 - 1:30pm – Trauma
 - 2:30pm – Pediatric
 - 3:30pm – General
- <https://teamup.com/ks0f3e8838f9d8bbc2>

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ANNOUNCEMENTS





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THANK YOU FOR COMING

HAVE A GREAT MONTH

