



MATTHEW CONSTANTINE
DIRECTOR

EMERGENCY MEDICAL SERVICES SYSTEM COLLABORATIVE MEETING

**Thursday
April 7, 2016**





KERN COUNTY
Public Health Services
DEPARTMENT

MATTHEW CONSTANTINE
DIRECTOR

INTRODUCTIONS



Agenda - EMS System Collaborative

2:00 PM Thursday, April 7th, 2016

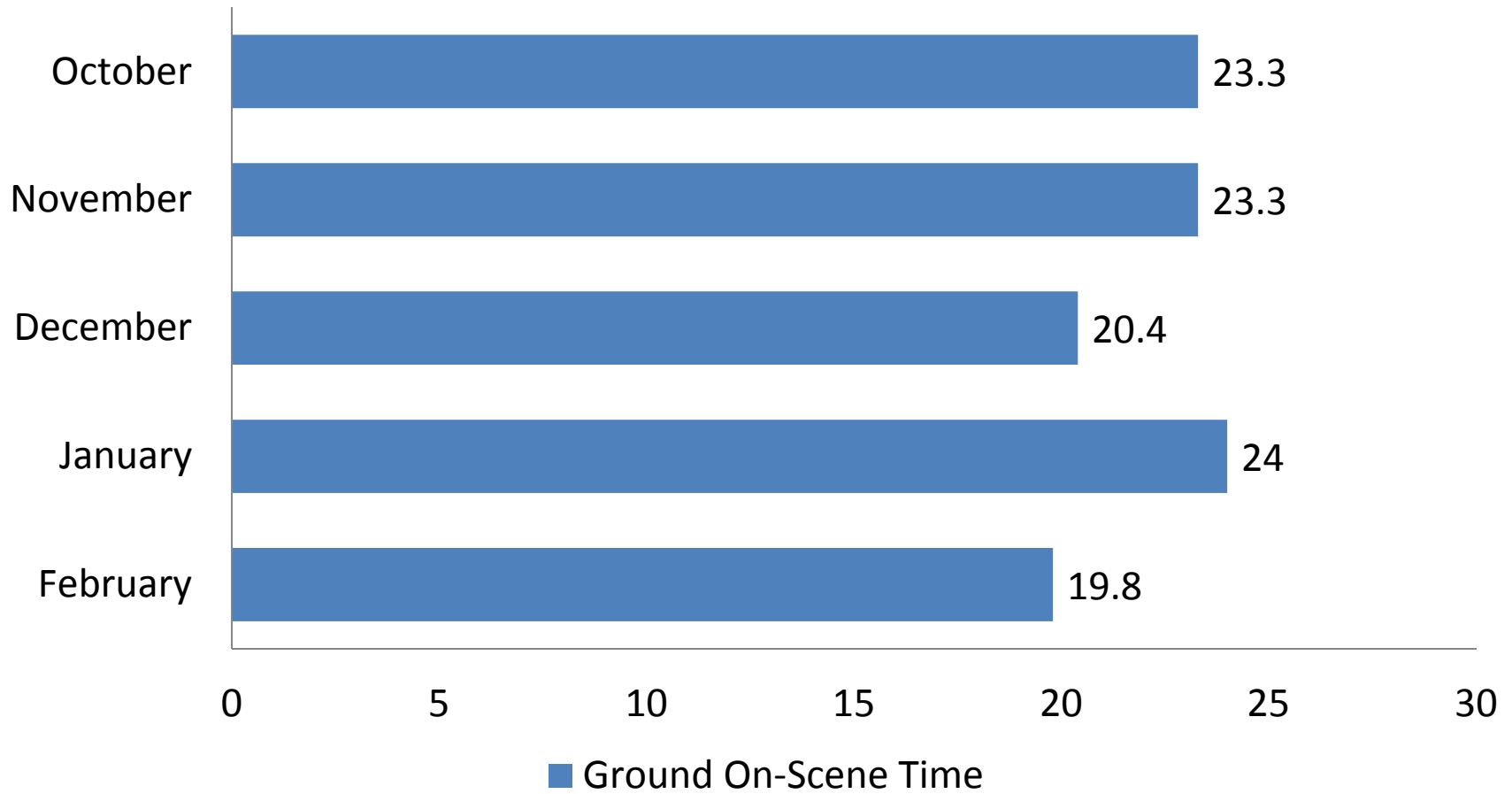
Public Health Office, San Joaquin Room, 1800 Mt. Vernon Ave., Bakersfield



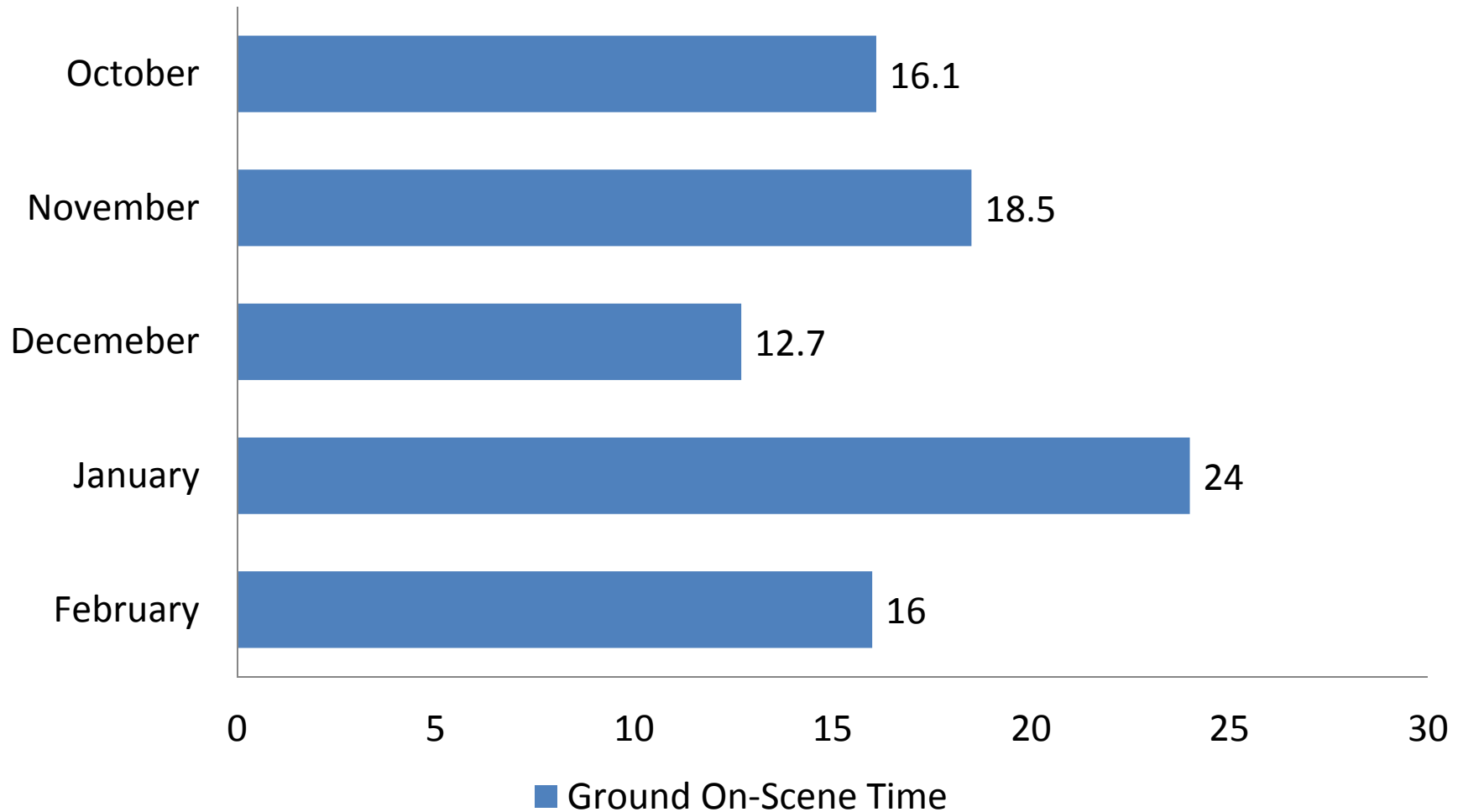
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Core Measures



Core Measure Kern County



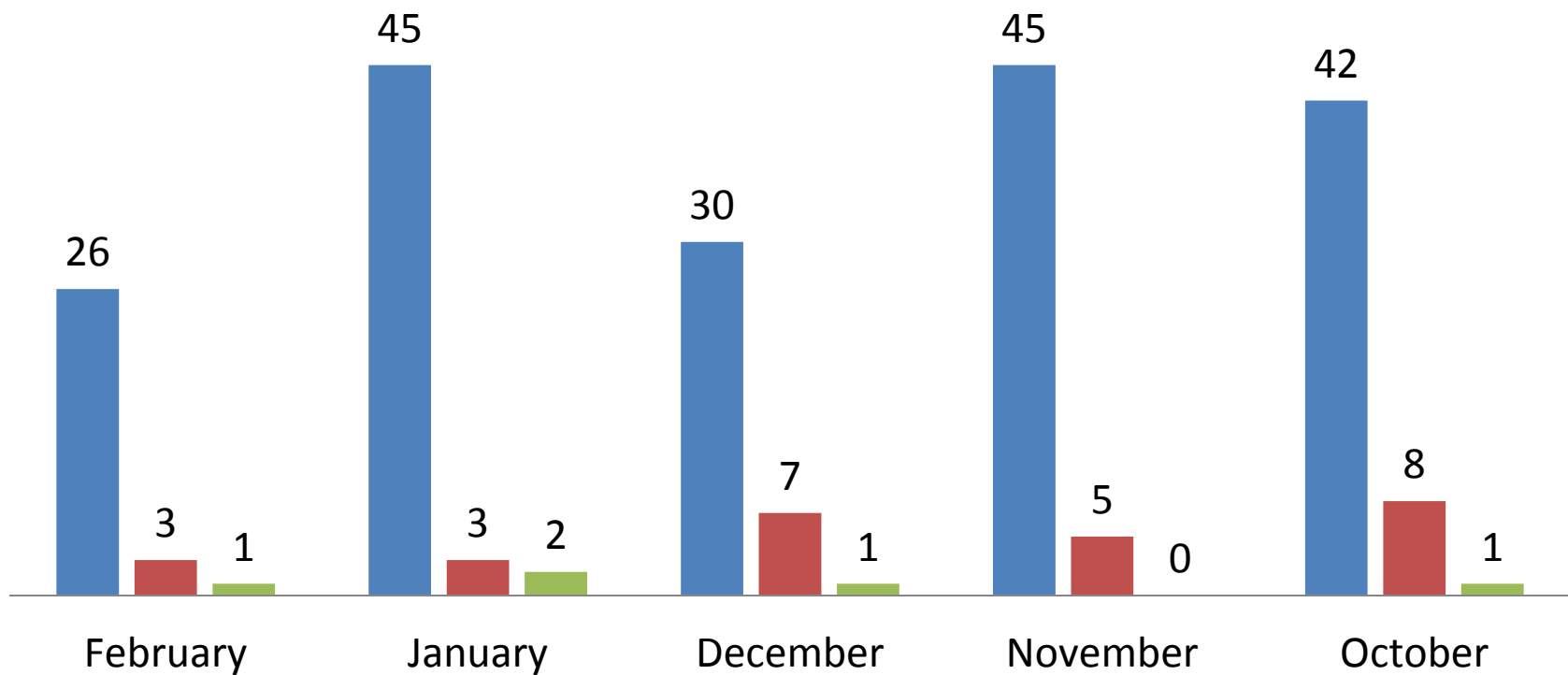
Core Measures

<u>Reported Delay</u>	<u>February</u>	<u>January</u>	<u>December</u>	<u>November</u>	<u>October</u>
None- Under 10 Min	17	10	16	12	26
None- Over 10 Min	6	24	6	14	8
Other- Description	3	7	6	5	5
Other- No Description	0	0	0	3	0
Safety/Crowd/Staff	0	1	0	3	1
Language Barrier	0	1	0	0	0
Extrication >20min	1	1	2	7	1
Distance	0	0	0	1	1
Vehicle Crash	0	1	0	0	0
Reporting Error	0	2	1	0	1
Other Hospital Transport	1	0	0	0	0
Extremis	0	0	0	0	0
Calls Over 10 min	10(37%)	37(75%)	13(42%)	31(68%)	16(39%)
Total Calls	27	47	31	45	43

Direct to Trauma Center

Direct to Trauma Center from Scene

■ Trauma Center ■ Landing Zone ■ Other Hospital



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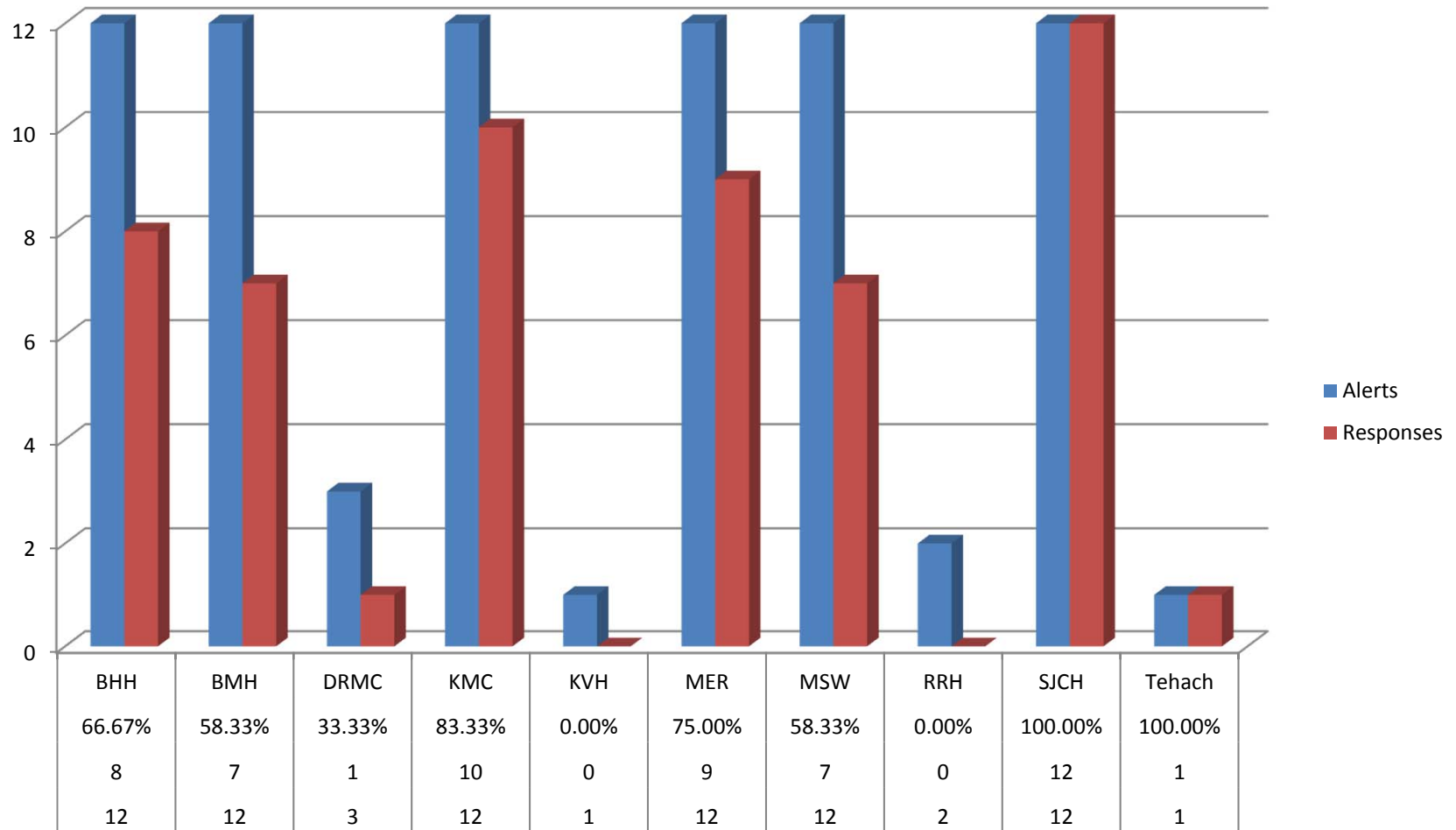
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MCI Response

March		
	Alerts	Responses
BHH	3	3
BMH	3	3
DRMC	3	1
KMC	3	2
KVH	0	0
MER	3	2
MSW	3	3
RRH	0	0
SJCH	3	3
Tehach	0	0

Year To Date



Patient Distribution

	Pt Dist				
	I	D	M	Total	
BHH	0	0	0	0	0.00%
BMH	0	0	0	0	0.00%
DRMC	0	0	0	0	0.00%
KMC	1	0	22	23	88.46%
KVH	0	0	0	0	0.00%
MER	0	0	0	0	0.00%
MSW	0	0	0	0	0.00%
RRH	0	0	0	0	0.00%
SJCH	0	0	0	0	0.00%
Tehach	0	0	3	3	11.54%
			Total	26	

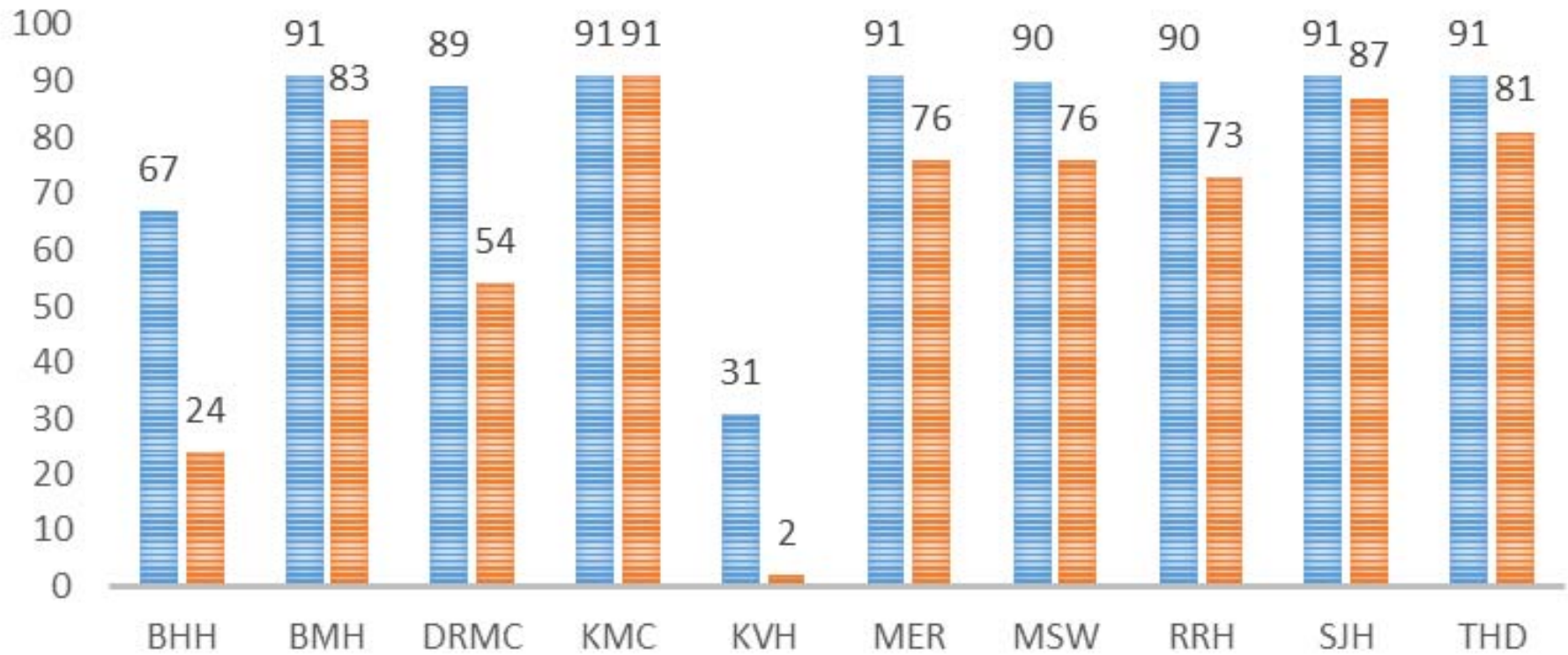
Bed Availability

Bed Availability Reporting

March		Number of Days B.A. Reported	Number of Days B.A. not reported	Number of Days B.A. reported >1
	BHH	25	6	10
	BMH	31	0	26
	DRMC	31	0	23
	KMC	31	0	31
	KVH	6	25	0
	MER	31	0	24
	MSW	30	1	23
	RRH	31	0	23
	SJH	31	0	30
	THD	31	0	27

2016

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



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CHEMPACK Protocol

CHEMPACK

- Training complete from EMS
 - Train the trainer
 - Agencies should be working to train personnel
- Recognized that route of meds in CHEMPACK vary from protocol
 - Autoinjector vs. weight-based
 - Vial vs. autoinjector
- Created CHEMPACK protocol for admin of meds
 - To be added to *Paramedic Protocols*
- Public comment period

Kern County Emergency Medical Services Division - Paramedic Treatment Protocols

CHEMPACK

Policy Number: **XXX**

Effective Date: **DRAFT**

Revision Date: **DRAFT**

ASSESS FOR SEVERITY OF EXPOSURE

MILD EXPOSURE:
MIOSIS, RHINORRHEA,
INCREASED SALIVATION

ADULT: **DUODOTE OR MARK I**
KIT X1 IM (MAY REPEAT FOR
TOTAL OF 3 IF SYMPTOMS
PROGRESS)

PED: **DUODOTE OR MARK 1 KIT**
IM
UP TO 25KG: 1 KIT
26-50KG: 1 KIT MAY REPEAT X1

OR IF UNAVAILABLE

ATROPEN IM, MAY REPEAT
EVERY 5 MIN TO MAX OF 6MG
4KG: 0.5MG REPEAT 0.5MG
4- 10.5 KG: 0.5MG REPEAT 1MG
10.5-13KG: 1MG REPEAT 1MG
13-20.5KG: 1MG REPEAT 2MG
20.5-33KG: 1.5MG REPEAT 4 MG

MODERATE EXPOSURE:
MILD SYMPTOMS PLUS
SHORTNESS OF BREATH,
VOMITING, DIARRHEA

ADULT: **DUODOTE OR MARK I**
KIT X2 IM (MAY REPEAT FOR
TOTAL OF 3 IF SYMPTOMS
PROGRESS)

PED: **DUODOTE OR MARK 1**
KIT IM
UP TO 25KG: 1 KIT
26-50KG: 2 KITS

OR IF UNAVAILABLE

ATROPEN IM, MAY REPEAT
EVERY 5 MIN TO MAX OF 6MG
4KG: 0.5MG REPEAT 0.5MG
4- 10.5 KG: 0.5MG REPEAT 1MG
10.5-13KG: 1MG REPEAT 1MG
13-20.5KG: 1MG REPEAT 2MG
20.5-33KG: 1.5MG REPEAT 4 MG

SEVERE EXPOSURE:
MODERATE SYMPTOMS PLUS
RESPIRATORY DISTRESS OR ARREST,
CYANOSIS, EXTREME SLUDGE,
SEIZURES, UNCONSCIOUSNESS

ADULT: **DUODOTE OR MARK I KIT**
X3 IM

PED: **DUODOTE OR MARK 1 KIT** IM
UP TO 25KG: 1 KIT
26-50KG: 2 KITS

ADULT: **VALIUM:** 10MG IM OR 5-
10MG IV
OR **VERSED:** 2-5MG IV TITRATE
TO SZ CONTROL; 5MG IN OR IM IF
NO IV; REPEAT X1 IN 5 MIN TO
MAX OF 10MG

PED: **VALIUM** 0.05-0.3 MG/KG IVP/
IM; MAY REPEAT IN 5 MIN TO
MAX OF 10MG

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Inter-facility Transfer Portable Ventilator Procedure

Portable ventilator procedure

- Allows for paramedic inter-facility transport of patients requiring mechanical ventilation
- Procedure to be included in *Paramedic Protocols*
 - Similar to the 12-lead procedure
- Posted for public comment
 - March 8, 2016 through April 8, 2016
 - Send comments on the comment table to Jana Richardson

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Approving New Items

Procedures/Devices/Meds

- No established process
- Follow the EMSA optional scope practice

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EMSA Core Measures

Trauma

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
TRA-1 (90th %ile in mm:ss)	244		21.03	No	Run using level 1 trauma triage criteria trigger
TRA-2 (Percentage)	244	224	91.80%	No	Run using level 1 trauma triage criteria trigger

Cardiac

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
ACS-1 (Percentage)	5509	1833	33%	Yes	Please be advised this is not an accurate portrayal of ASA administration for patients with chest pain with suspected cardiac origin within the 911 system. Many patients receive ASA by first responders or by EMD pre-arrival instructions and these are not captured using the mandatory data fields.
ACS-2 (Percentage)	5509	3791	69%	Yes	Please be advised due to NEMSIS v2 mapping issues this is not an accurate portrayal of 12-Lead EKGs performed on patients with chest pain with suspected cardiac origin.
ACS-3 (90th %ile in mm:ss)	46		23.74	Yes	*Please ensure that the denominator value for this measure matches the denominator value for ACS-5
ACS-5 (Percentage)	46	32	69.57%	Yes	*Please ensure that the denominator value for this measure matches the denominator value for ACS-3

Cardiac Arrest

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
CAR-2 (Percentage)	52	15	28.85%	Yes	
CAR-3 (Percentage)					Kern County has no mechanism for tracking patient condition once they are placed in the care of the hospital.
CAR-4 (Percentage)					Kern County has no mechanism for tracking patient condition once they are placed in the care of the hospital.

Stroke

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
STR-2 (Percentage)	1143	982	85.91%	Yes	
STR-3 (90th %ile in mm:ss)	1143		22	Yes	*Please ensure that the denominator value for this measure matches the denominator value for STR-5
STR-5 (Percentage)	1143	977	85%	Yes	*Please ensure that the denominator value for this measure matches the denominator value for STR-3

Resp.

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
RES-2 (Percentage)	5813	2303	39.62%	Yes	Please be advised Kern County has no mechanism for determining wet/dry lung sounds outside of the ePCR narrative which cannot efficiently be queried. "Respiratory Distress" is selected for a multitude of etiologies and with no distinction between wet and dry lungs sounds this number cannot be considered accurate.
PED-1 (Percentage)	497	191	38.67%	Yes	Please be advised Kern County has no mechanism for determining wet/dry lung sounds outside of the ePCR narrative which cannot efficiently be queried. "Respiratory Distress" is selected for a multitude of etiologies and with no distinction between wet and dry lungs sounds this number cannot be considered accurate.

Pain/Skills

Measure ID (Reporting Units)	Denominator Value (Population)	Numerator Value	Reporting Value	Measure Run Exactly As Written? (Yes or No) If "No" please fill out the NOTES field	NOTES
					If you answered "NO" to the column to the left, please provide data elements and relevant values in this column. Be sure to add in any inclusion or exclusion criteria.
PAI-1 (Percentage)	15410	4238	27.50%	Yes	
SKL-1 (Percentage)	642	467	72.74%	Yes	
SKL-2 (Percentage)	642	323	50.31%	Yes	

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ANNOUNCEMENTS





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THANK YOU FOR COMING

HAVE A GREAT MONTH

