



# Clinical Quality Improvement Report

January 2014

Tulsa  
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Oklahoma City

Executive summary of the Eastern and Western divisions Clinical Quality Reports, presented to the Office of the Medical Director.

#### Disposition of Calls

<b>Disposition</b>	<b>Eastern Division</b>	<b>Western Division</b>	<b>Total</b>
<b>Transported</b>	6,334	6,683	13,017
<b>Patient Refusal</b>	410	340	750
<b>Patient Refusal with FOS Consult</b>	376	443	819
<b>Treated at scene, Refused Transport</b>	42	30	72
<b>No Treatment Required</b>	344	181	525
<b>No Patient Found</b>	846	626	1472
<b>Cancelled by Fire Department</b>	35	132	167
<b>Cancelled by Police Department</b>	145	128	273
<b>DOA</b>	63	50	113
<b>Critical Failure</b>	2	4	6
<b>Non-Medical Transports</b>	39	45	84
<b>Special Events</b>	37	27	64
<b>Standby</b>	23	14	37
<b>Treated, Transferred Care</b>	22	0	22
<b>Total</b>	8,718	8,703	17,421

#### Transport Status by Division

<b>Status</b>	<b>Eastern Division</b>	<b>Western Division</b>	<b>Total</b>
<b>Priority One Transport</b>	405	434	839
<b>Priority Two Transport</b>	5,844	6,157	12,001
<b>Non-Medical Transport</b>	39	45	84
<b>Non Transport</b>	2,345	1,975	4,320
<b>Total</b>	8,633	8,611	17,244

#### Advanced Airway Placement Success Rates

<b>Type</b>	<b>Eastern Division</b>		<b>Western Division</b>	
	<b>Number</b>	<b>Percentage</b>	<b>Number</b>	<b>Percentage</b>
<b>ETT/NTT</b>	68	63%	61	69%
<b>King</b>	16	94%	11	100%

## Advanced Airway Grades

These reflect multiple attempts on the same airway. Other is a reflection that crews are not required to pick an airway grade for King Airway.

<b>Airway Grade</b>	<b>Eastern Division</b>	<b>Western Division</b>
<b>Other</b>	2	3
<b>Class 1</b>	7	12
<b>Class 2</b>	21	12
<b>Class 3</b>	20	17
<b>Class 4</b>	9	12

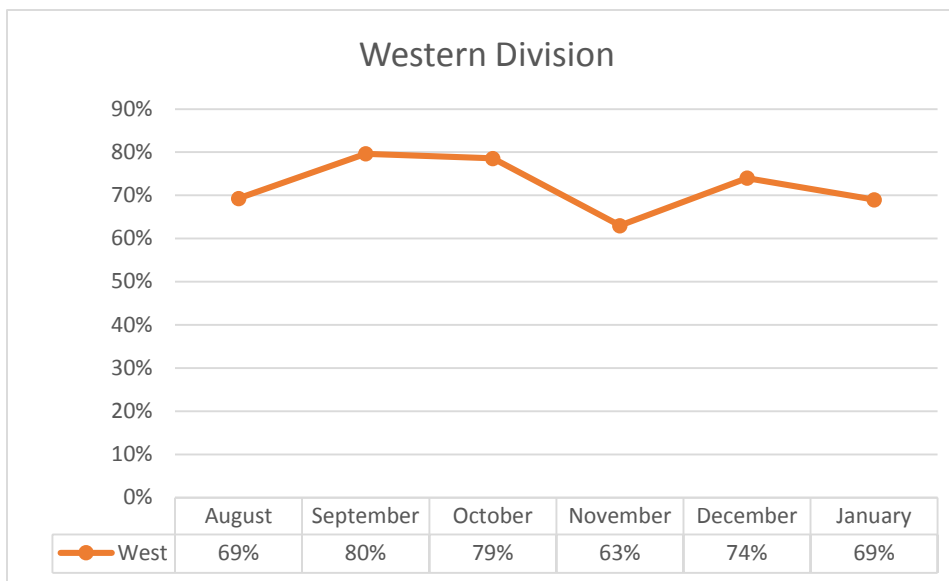
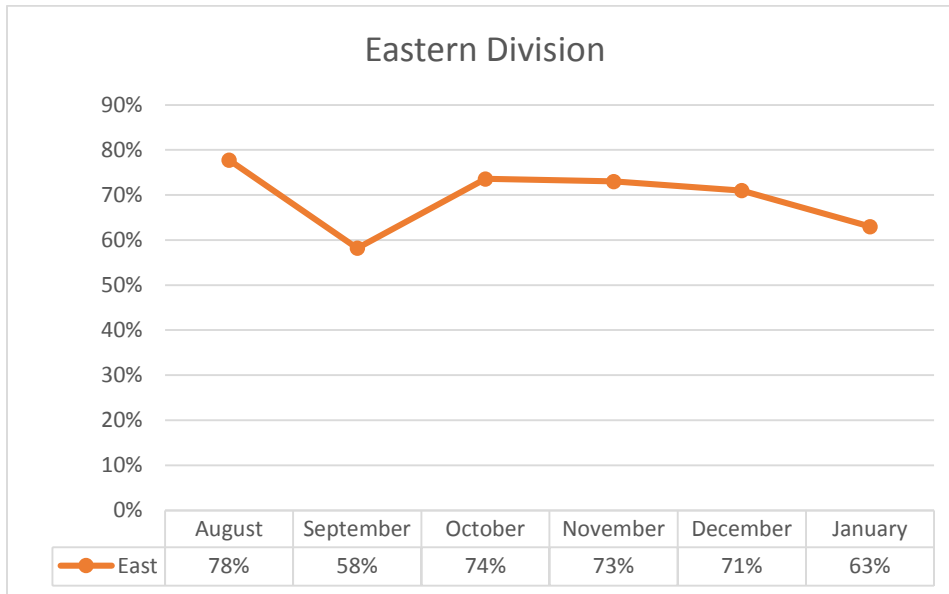
## Airway Complications

<b>Type</b>	<b>Eastern Division</b>	<b>Western Division</b>
<b>ETT Complications:</b>	2	0
<b>ETT Complications: Anatomical</b>	13	15
<b>ETT Complications: Anatomical w/ Fluid</b>	23	10
<b>ETT Complications: Clenched Teeth</b>	5	5
<b>ETT Complications: Fluid</b>	12	14
<b>ETT Complications: Gag Reflex</b>	3	1
<b>ETT Complications: None</b>	26	20
<b>ETT Complications: Spinal Immobilization</b>	1	2
<b>ETT Complications: Traumatic Airway</b>	1	0

No instances of delayed capnography were noted in the Eastern Division

5 instances of greater than 60 second capnography were noted in the Western Division. These were investigated and noted to be event scroll push issues, and the medics corrected on when to mark the intubation time.

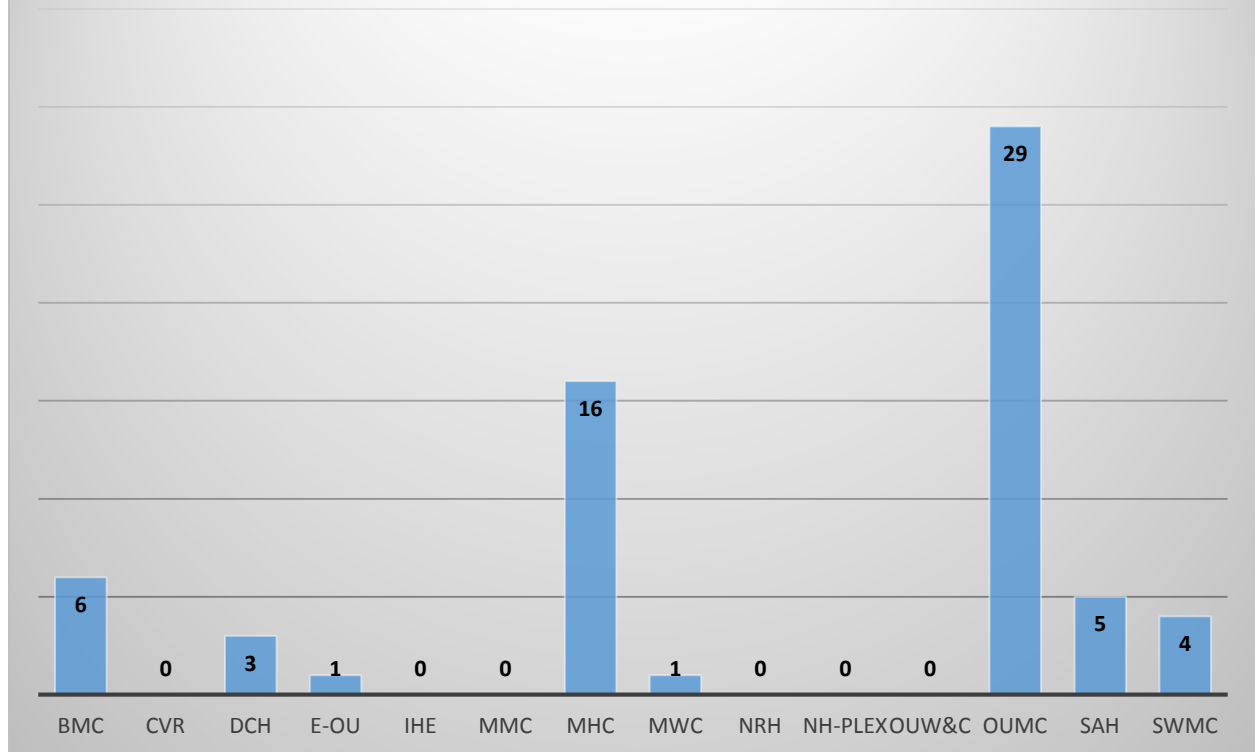
## Six Month Running Intubation Success Rate



## Reportable Events

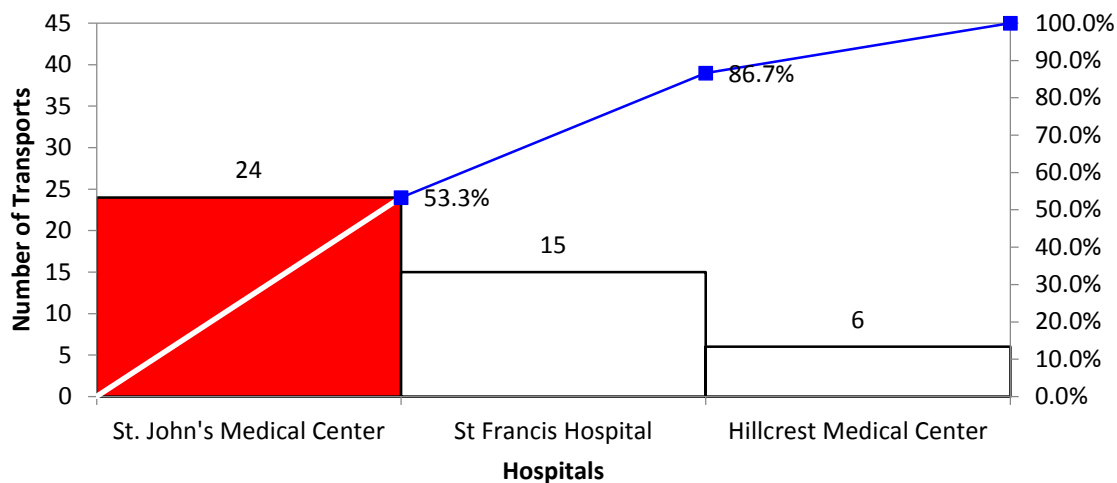
Event	Medic	Run Number	Division
Hylenex	Jacob Tollette	14000907	East
Hylenex	Jacob Tollette	14001048	East
Chest Decompression	Caleb Bullard	14008458	West
TXA	Steven Lloyd	14016786	West

## Monthly Total Priority Two Transport Destination

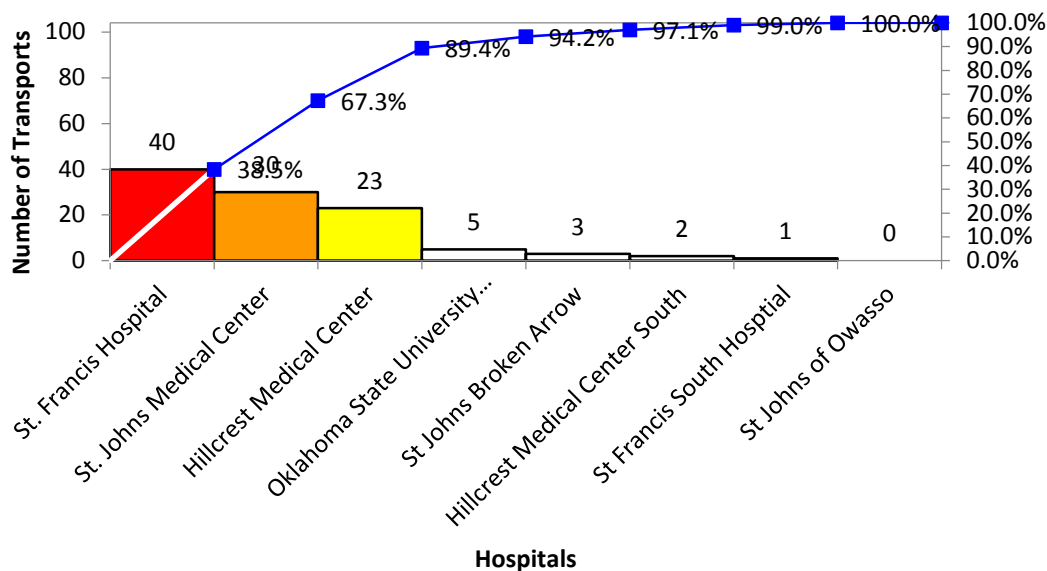


This chart represents that the monthly total of transports to priority two hospitals in the Western Division.

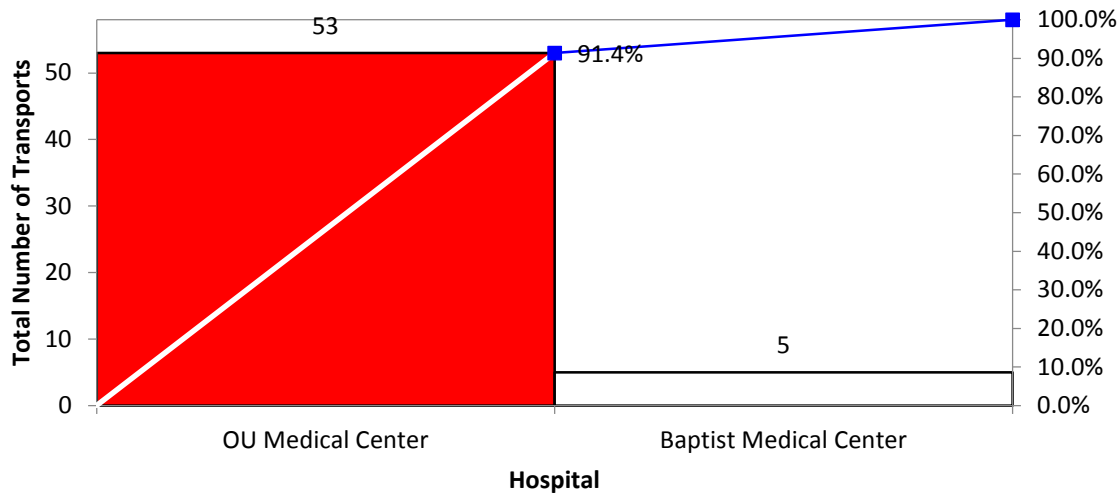
## January Priority One Eastern Trauma Transports



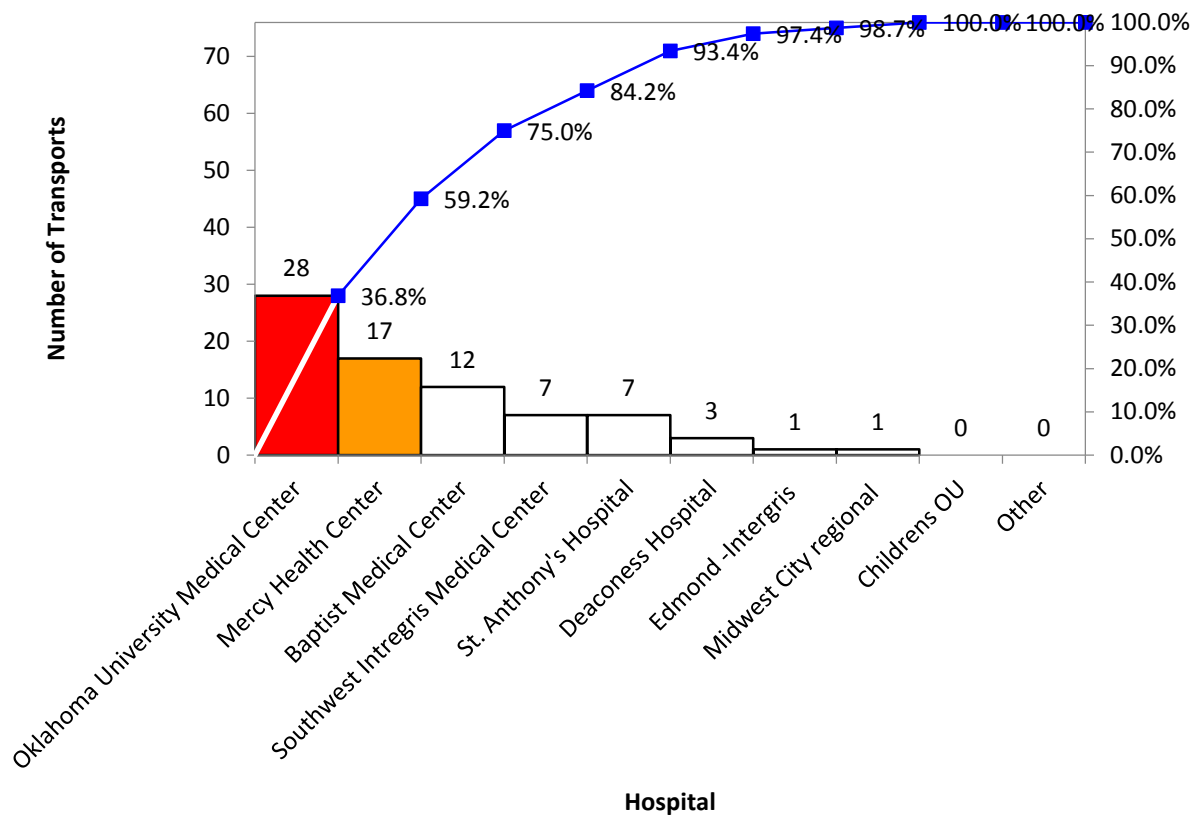
## January Priority Two Eastern Trauma Transports



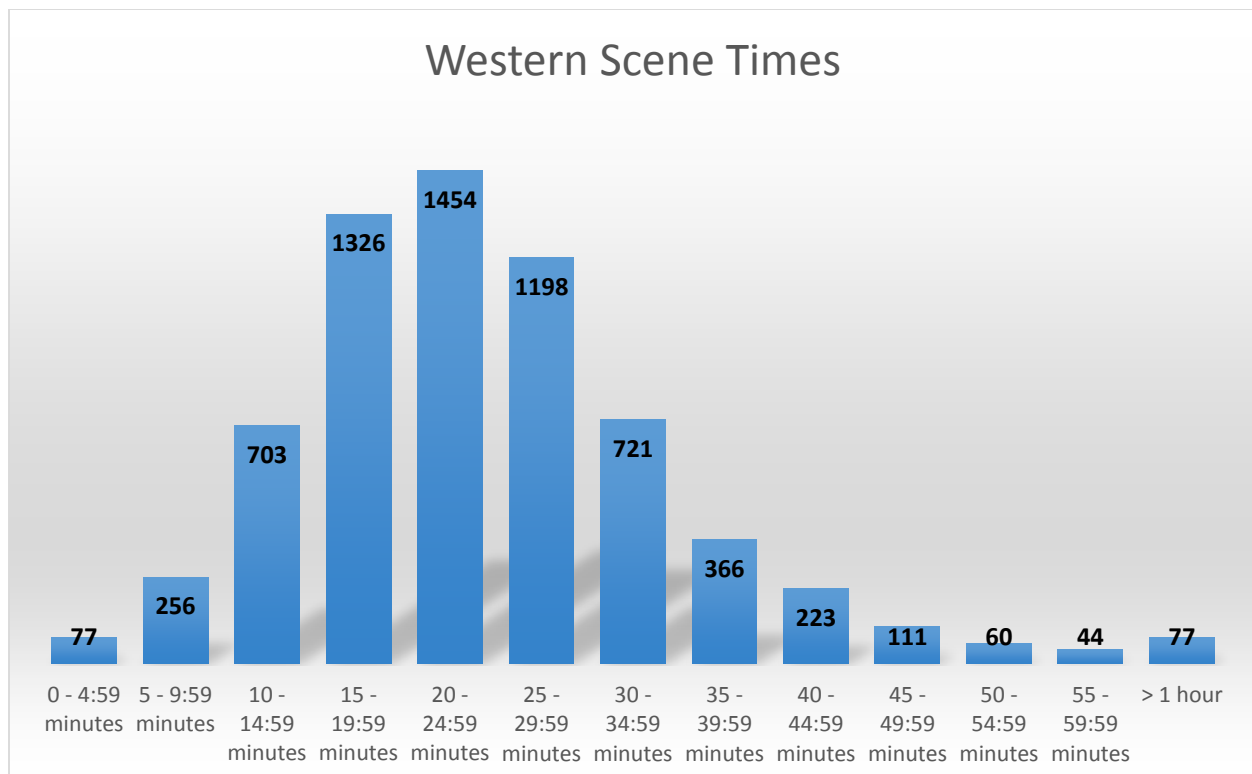
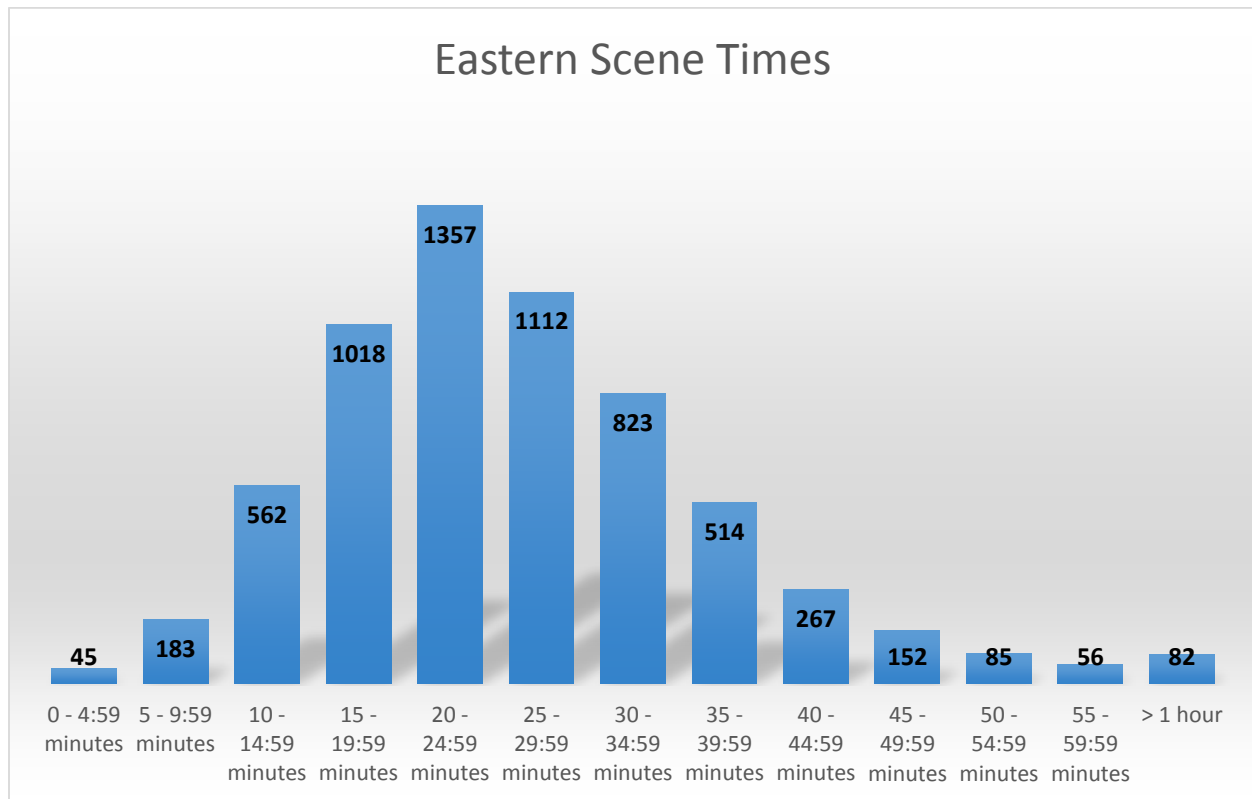
## January Priority One Trauma Transport Destination



## January Priority Two Western Trauma Transports



## Monthly On Scene Times





Scene time analytics

CLASSIFICATION	EASTERN DIVISION	WESTERN DIVISION
90 <sup>TH</sup> PERCENTILE	40:01 Minutes	37:31 Minutes
AVERAGE SCENE TIME	9:51 Minutes	8:35 Minutes
MEDIAN SCENE TIME	24:38 Minutes	22:59 Minutes



# Clinical Quality Improvement Report

February 2014

Tulsa

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Oklahoma City

Executive summary of the Eastern and Western divisions Clinical Quality Reports, presented to the Office of the Medical Director.

#### DISPOSITION OF CALLS

Disposition	Eastern Division	Western Division	Total
Transported	5,553	6,113	11,666
Patient Refused Care	359	319	678
Patient Refusal- FOS Consult	285	395	680
Treated at Scene- Refused Transport	27	29	56
No Treatment Required	398	147	545
No Patient Found	766	560	1,326
Cancelled by Fire	40	108	148
Cancelled by Police	122	103	225
DOA	69	59	128
Critical Failure-EMSA	3	8	11
Non-Medical Transport	24	57	81
Special Event	29	14	43
Standby	18	13	31
Treated, Transferred Care	14	7	21
Total	7,707	7,932	15,639

#### TRANSPORTATION VS NON-TRANSPORTATION

Status	Eastern Division	Western Division	Total
Priority One Transport	375	427	802
Priority Three Transport	5,160	5,690	10,850
Non-Medical Transport	24	57	81
Non Transport	2,138	1,758	3,896
Total	7,707	7,932	15,639

## AIRWAY REPORT

### ADVANCED AIRWAY PLACEMENT SUCCESS RATES

Type	Eastern Division		Western Division	
	Number	Percentage	Number	Percentage
<b>ETT/NTT</b>	65	38%	44	70%
<b>King</b>	20	70%	13	100%

### ADVANCED AIRWAY GRADES

These reflect multiple attempts on the same airway. Other is a reflection that crews are not required to pick an airway grade for King Airway.

Airway Grade	Eastern Division	Western Division
<b>Other</b>	4	4
<b>Class 1</b>	9	3
<b>Class 2</b>	15	18
<b>Class 3</b>	10	12
<b>Class 4</b>	11	11

## AIRWAY COMPLICATIONS

Type	Eastern Division	Western Division
<b>ETT Complications:</b>	7	1
<b>ETT Complications: Anatomical</b>	21	8
<b>ETT Complications: Anatomical w/ Fluid</b>	16	13
<b>ETT Complications: Clenched Teeth</b>	5	4
<b>ETT Complications: Fluid</b>	6	4
<b>ETT Complications: Gag Reflex</b>	6	4
<b>ETT Complications: None</b>	26	20
<b>ETT Complications: Spinal Immobilization</b>	1	2
<b>ETT Complications: Traumatic Airway</b>	2	0
<b>ETT Complications: Traumatic Airway w/Fluid</b>	1	0

No instances of delayed capnography were noted in the Eastern Division

1 instance of greater than 120 second capnography was noted in the Western Division. These were investigated and noted to be event scroll push issues, and the medics corrected on when to mark the intubation time.

## AIRWAY SUCCESS RATES

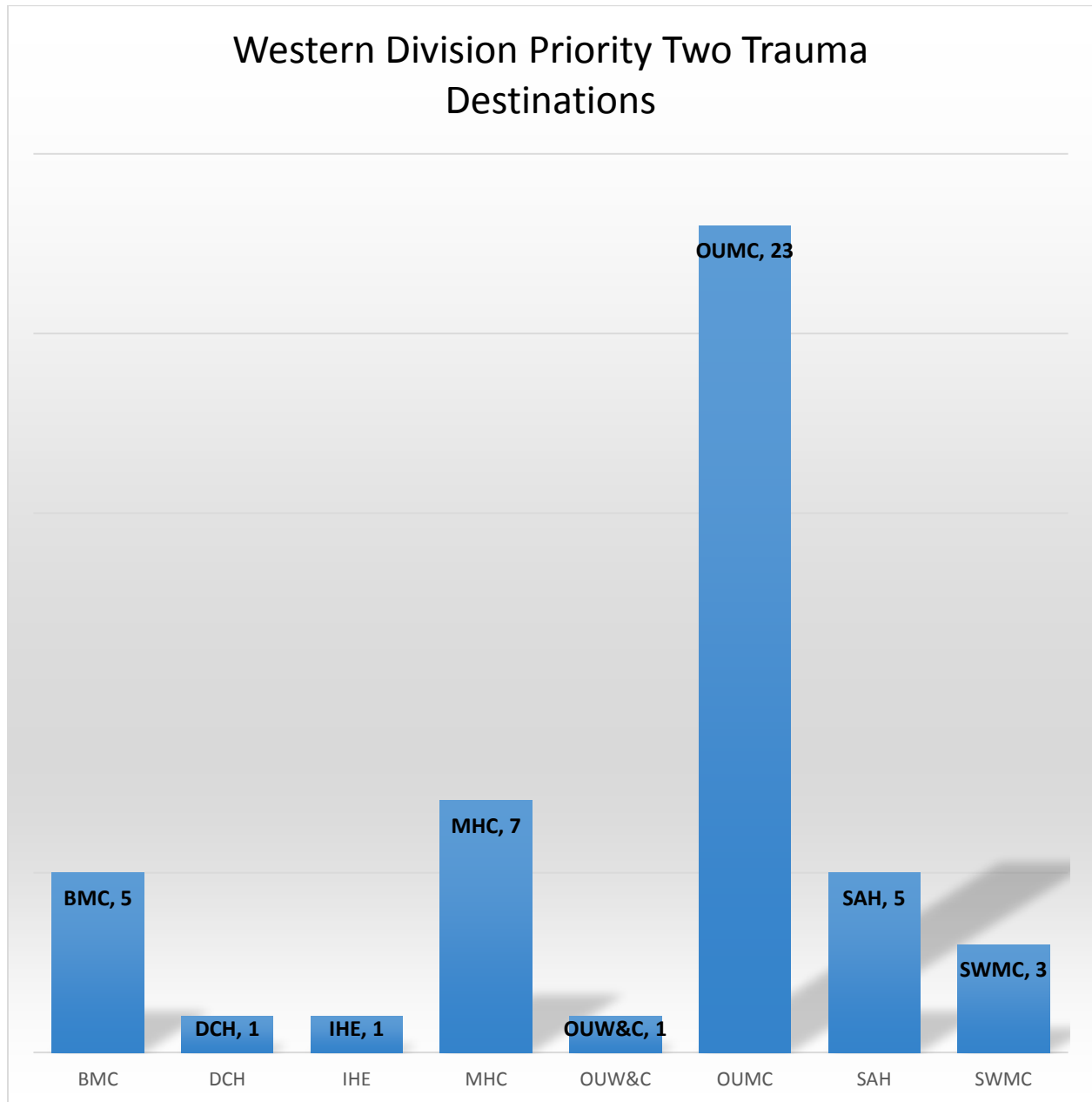
**Eastern Division 84%**

**Western Division 87%**

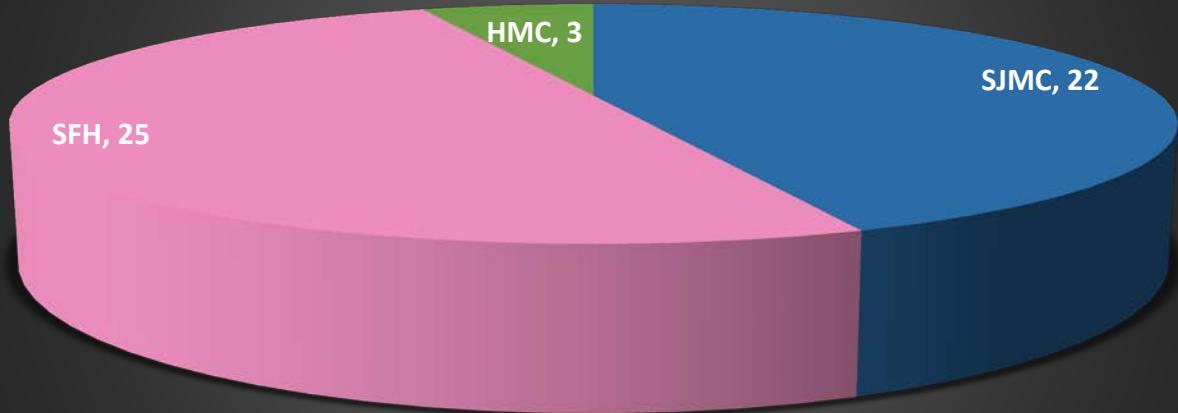
# REPORTABLE EVENTS

Event	Medic	Run Number	Division
TXA	P White	14020311	West
TXA	D Cordray	14037123	West
Surgical Airway	A VanCamp	14022337	West

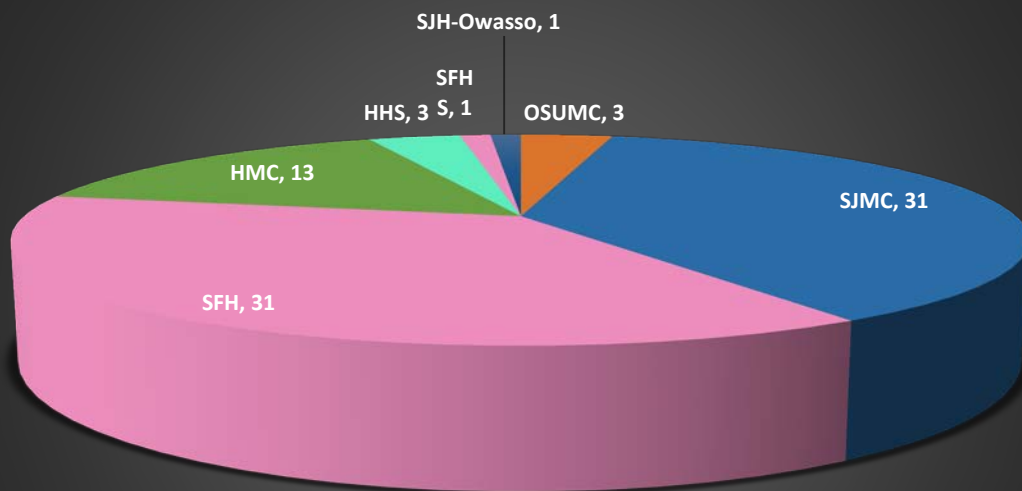
PRIORITY TWO TRAUMA DESTINATIONS (WESTERN DIVISION)



### Eastern Divison Priority One Trauma Destinations

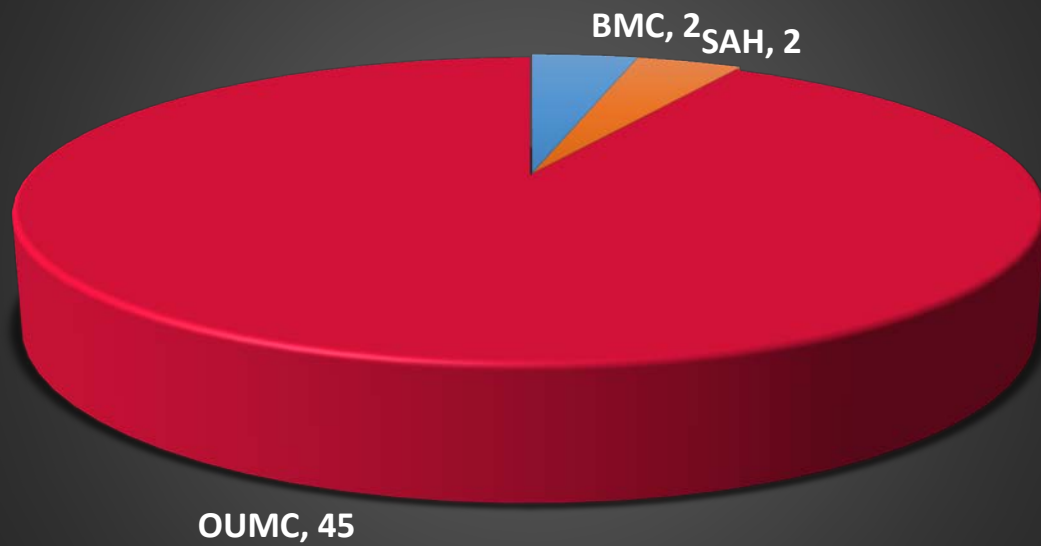


### Eastern Divison Priority Two Trauma Destinations

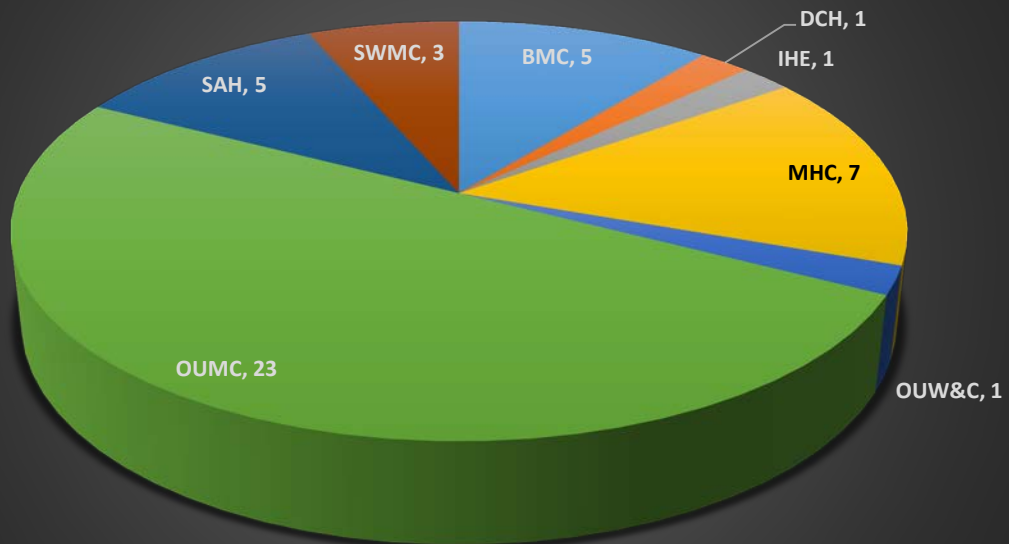


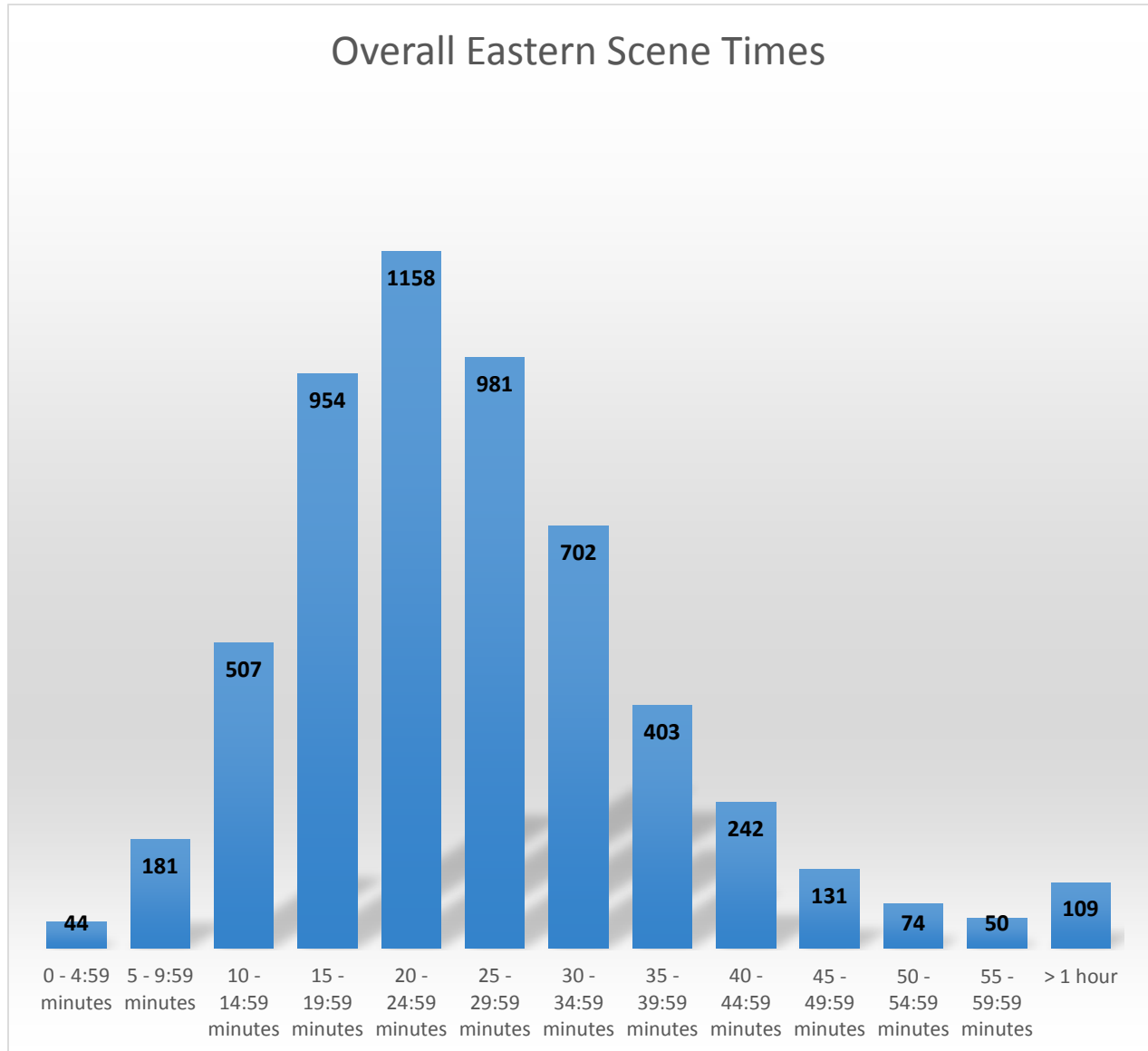


## Western Division Priority One Destinations

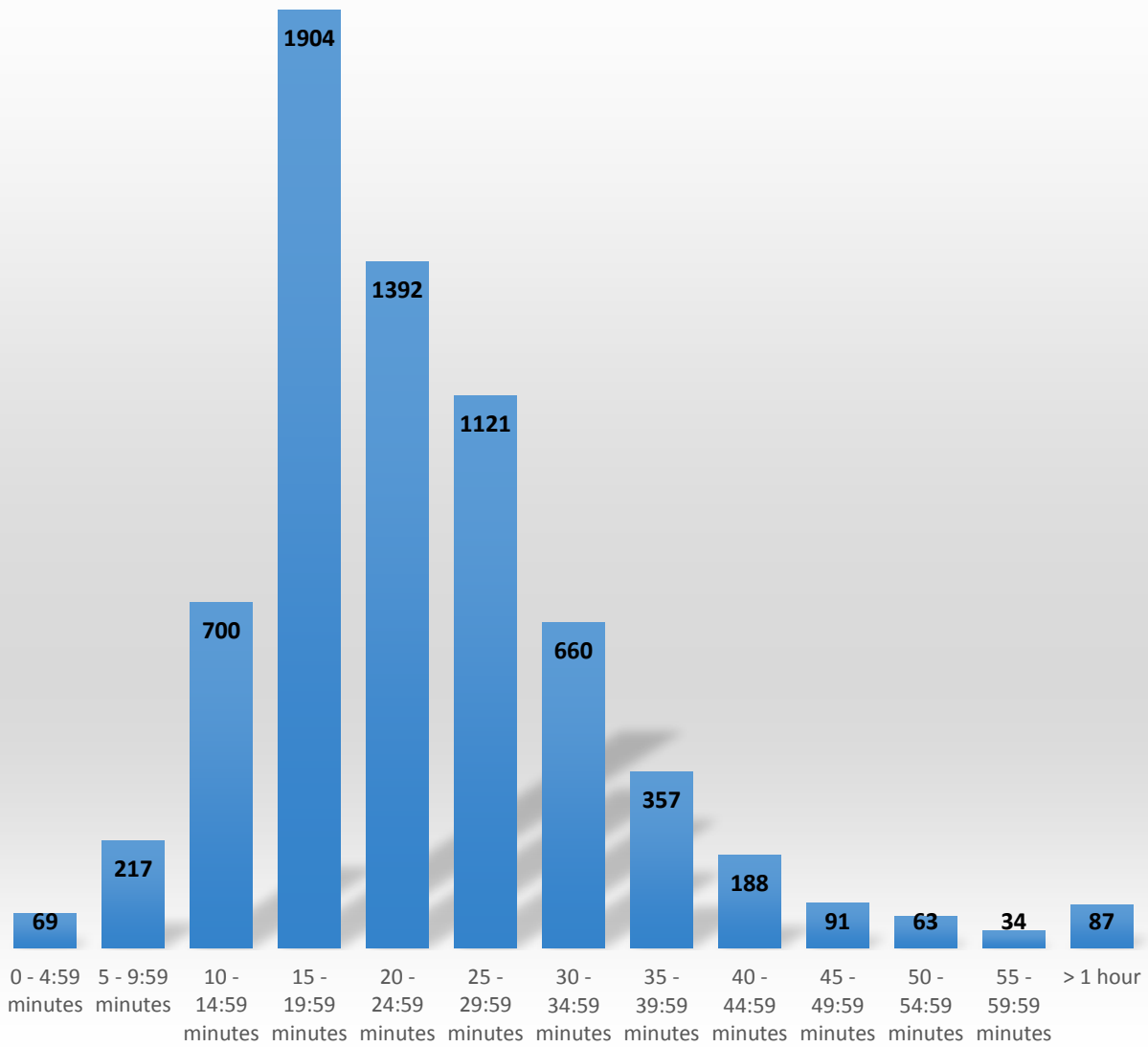


## Western Division Priority Two Trauma Destinations





## Overall Western Scene Times



### SCENE TIME ANALYTICS

CLASSIFICATION	EASTERN DIVISION	WESTERN DIVISION
90 <sup>TH</sup> PERCENTILE	40:45 Minutes	37:34 Minutes
AVERAGE SCENE TIME	26:26 Minutes	24:31 Minutes
MEDIAN SCENE TIME	24:44 Minutes	23:11 Minutes