

Contra Costa EMS Agency Core Quality Measures

Semi-Annual Report
Quarters 1 & 2, 2015

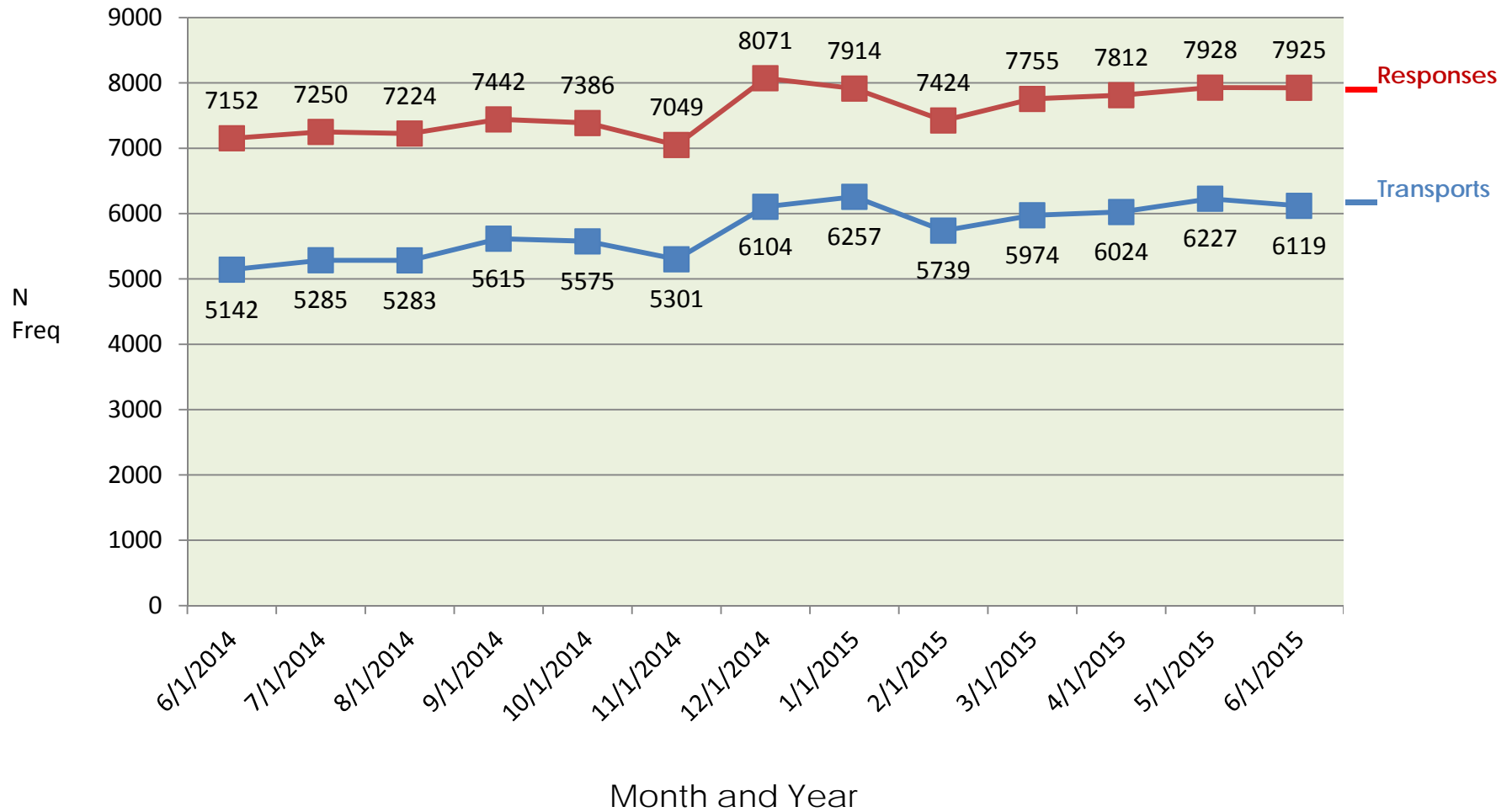
EMS System Utilization

Semi-Annual Report
Quarters 1 & 2, 2015

Data Source: First Watch

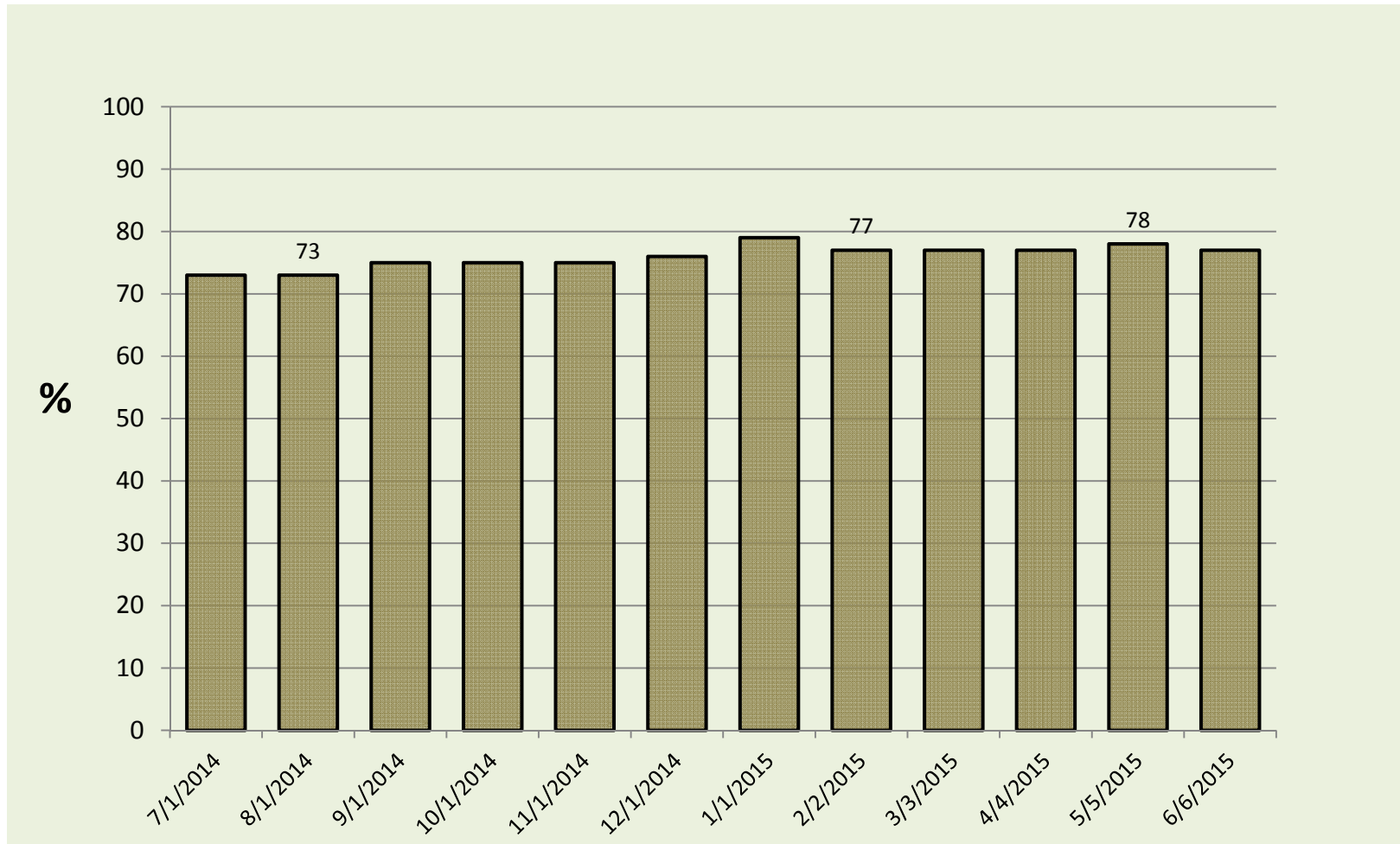
Contra Costa County 911 Ambulance Response and Transport Frequency Semi-Annual 2015 Reporting for Q1 & Q2

N= 46,758 Responses
N= 36,377 Transports



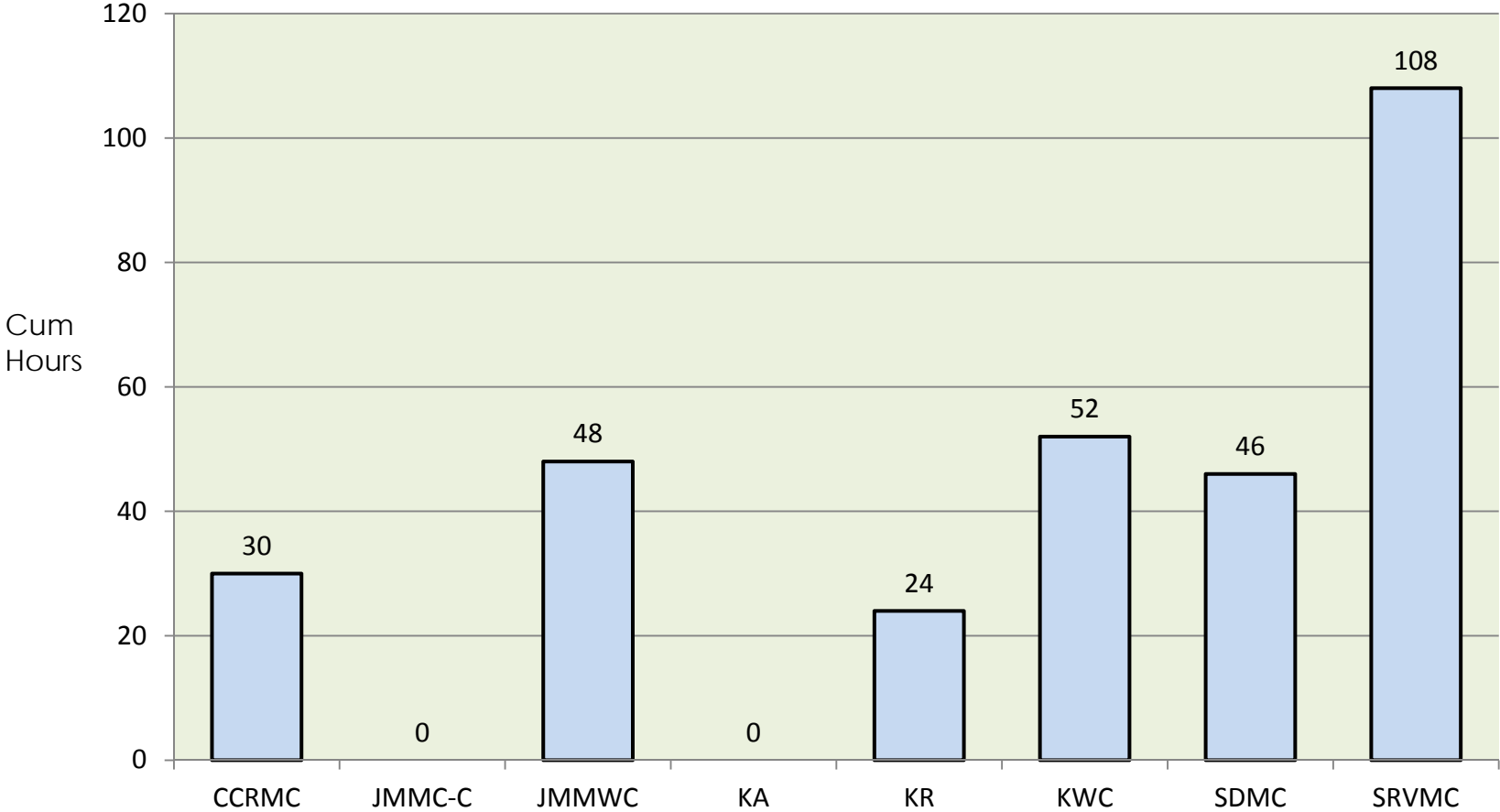
Contra Costa County 911 Ambulance % Transport per Response Semi-Annual Q1 Q2 2015

N= 46,758 Responses
N= 36,377 Transports
Mean =76%



Cumulative Hours on EMS Diversion by Hospital Semi-Annual Q1 Q2 2015

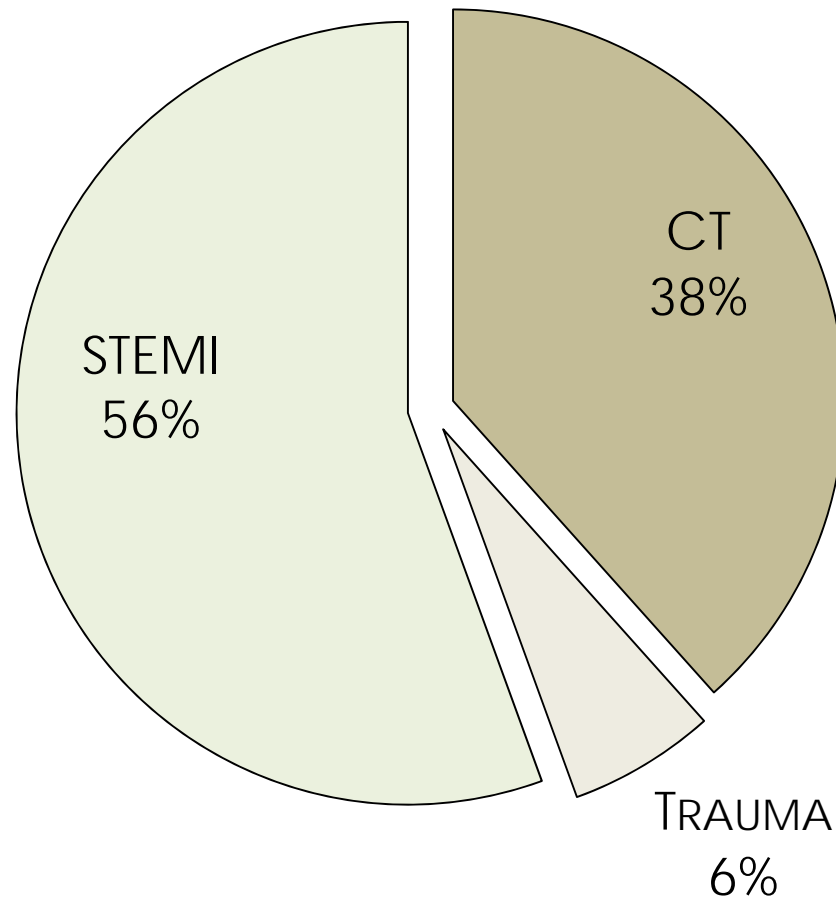
N=227 Diversion Hours All Hospitals



Hospital Diversion Hours % by Cause

Semi-Annual Q1 Q2 2015

N=227 Total Hours on Diversion Q1 & Q2 2015



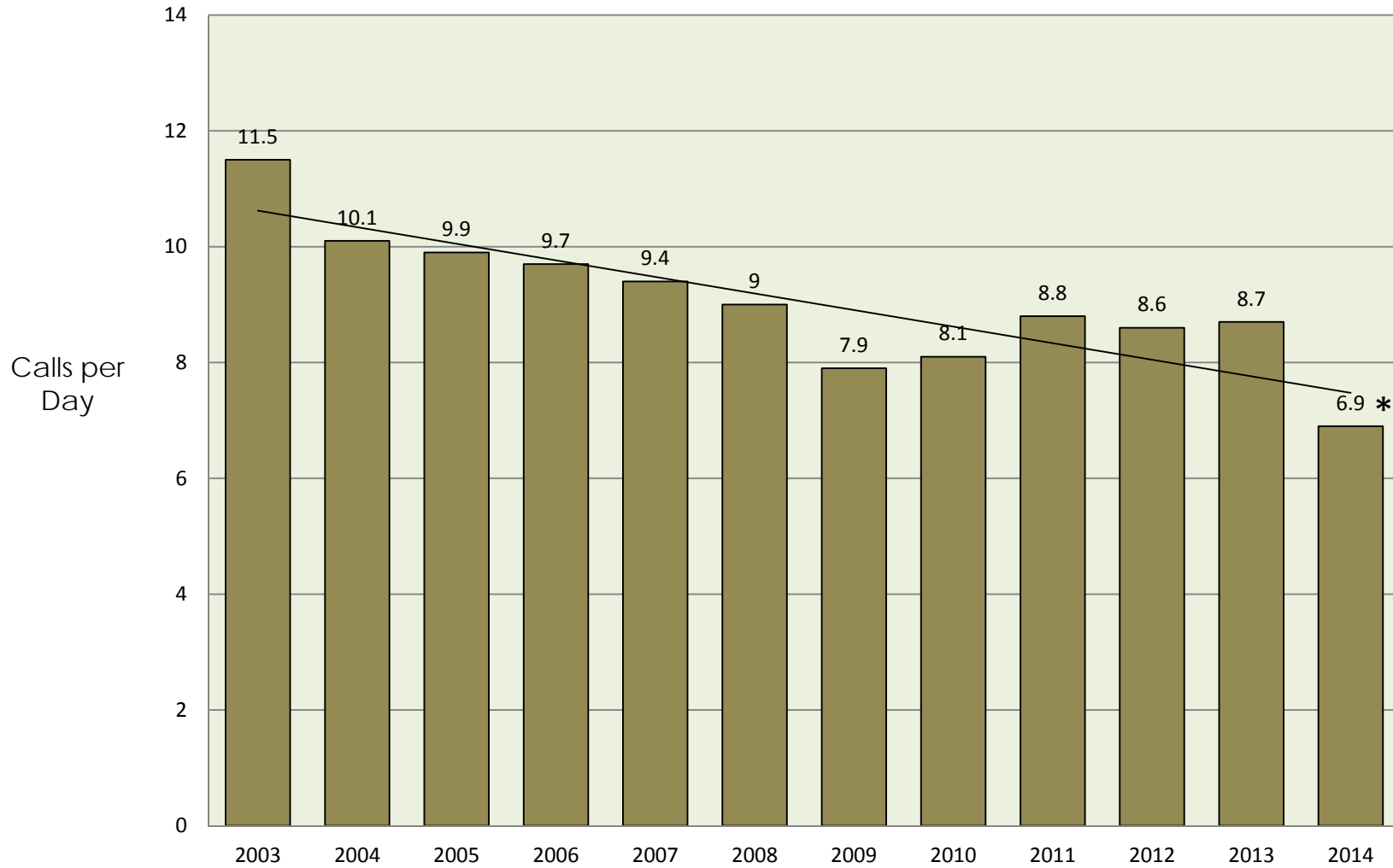
Base Hospital

Semi-Annual Report Quarters 1 & 2, 2015

Data Source: Base Hosp Log

Base Hospital Daily Call Average Historical Trend through 2014

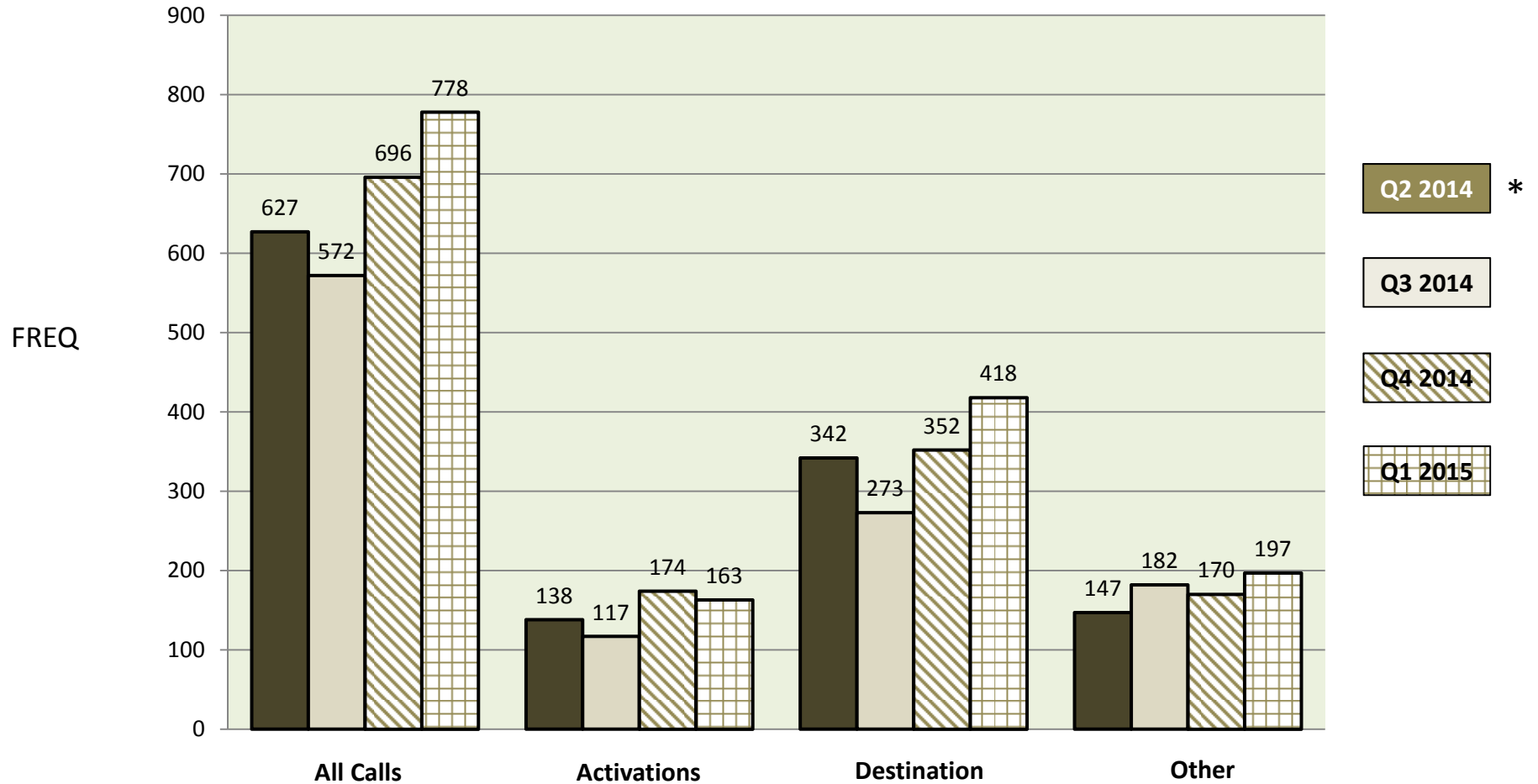
Semi-Annual Report 2015



* Note: Q4 2014 Numbers may not be complete due to implementation of New Data System

Base Hospital Calls by Frequency and Type Semi-Annual Report Quarters 1 & 2, 2015

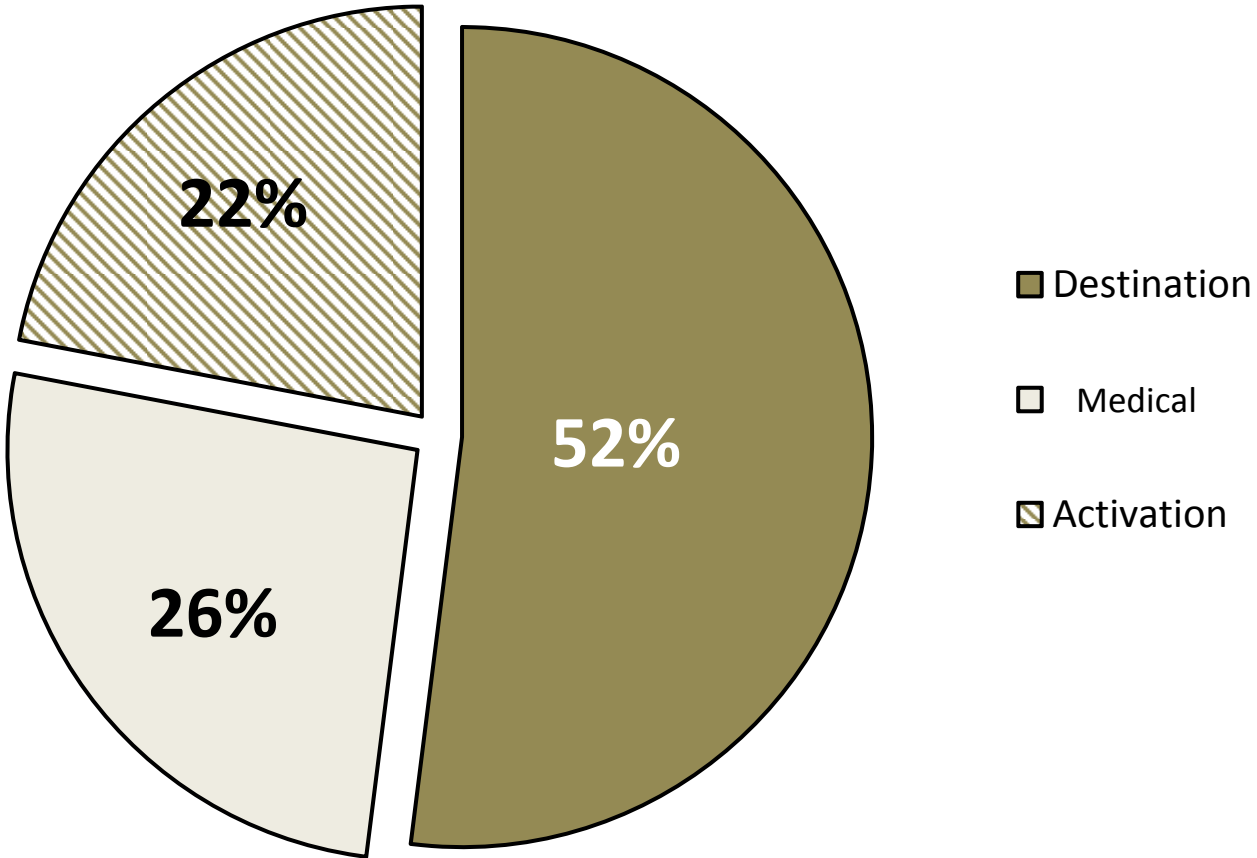
Q1 2015 = 778 calls



*Note: Q1 2014 numbers not available due to implementation of New Data System

Base Hospital % Calls by Type
Semi-Annual Report
Quarters 1 & 2, 2015

Q1 2015 = 778 calls



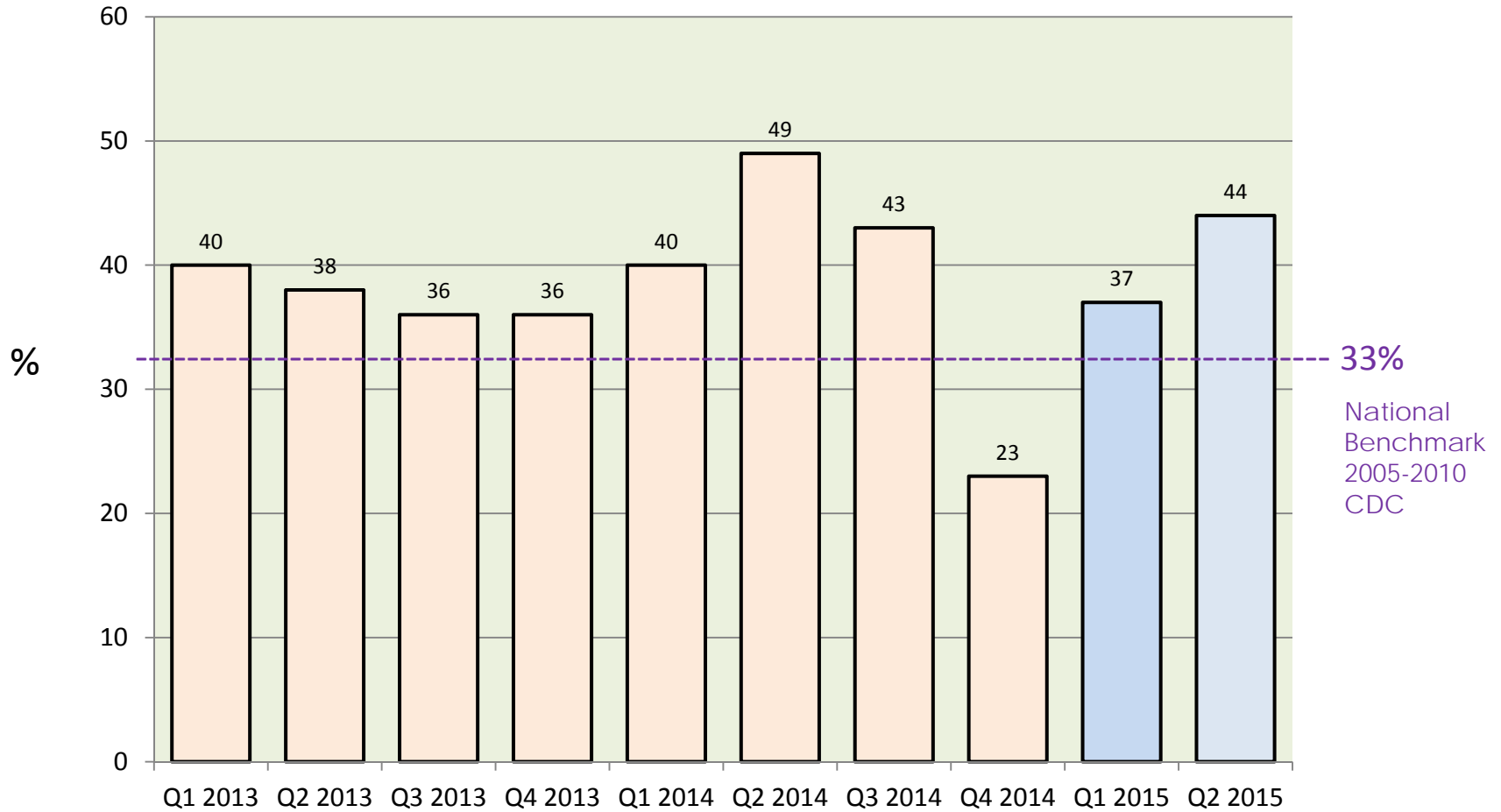
Cardiac Arrest

Semi-Annual Report
Quarters 1 & 2, 2015

% Bystander CPR by Quarter

Semi-Annual Report

Quarters 1 & 2, 2015

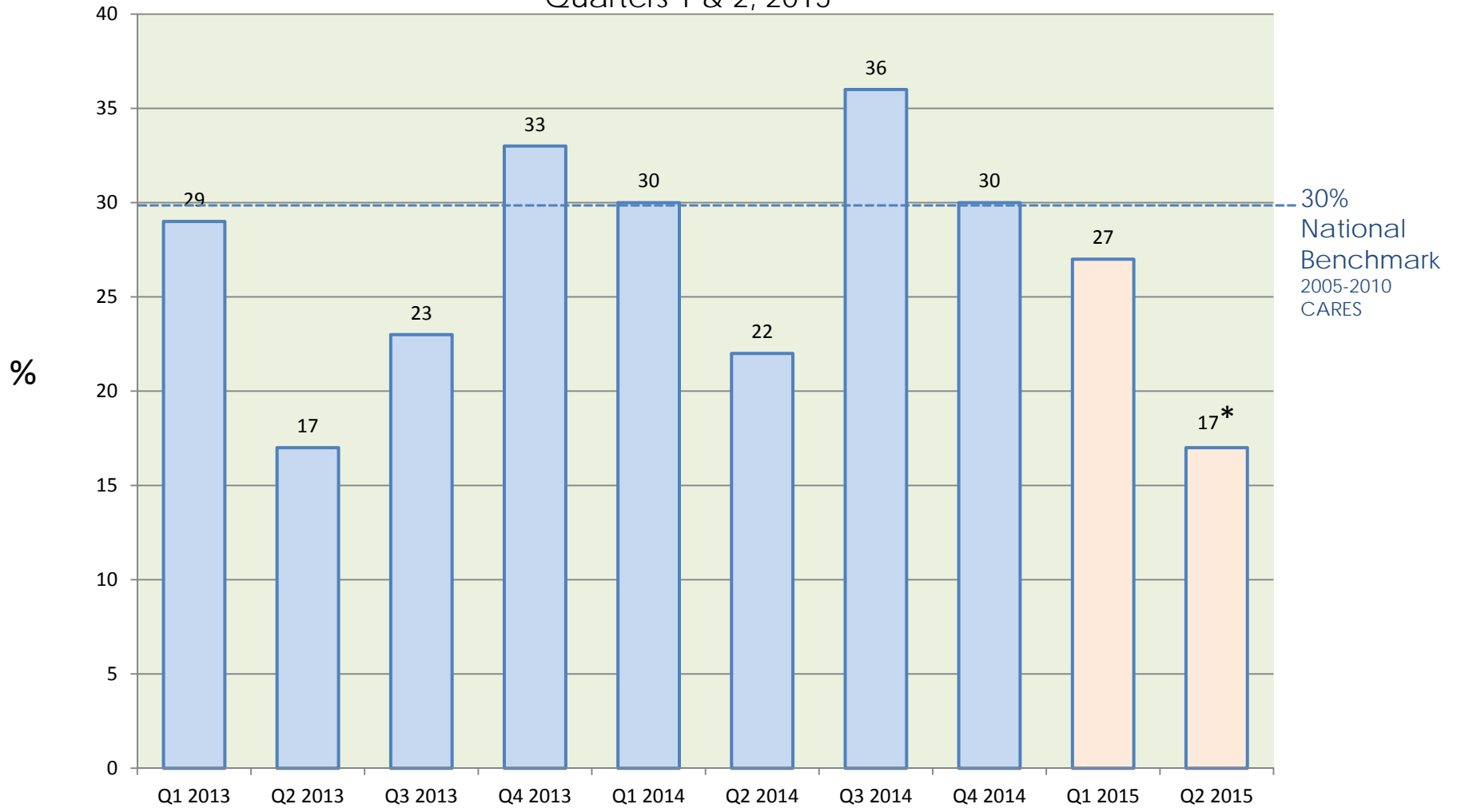


Source: CARES Registry

Cardiac Arrest Survival Utstein

% Survival by Quarter

Semi-Annual Report
Quarters 1 & 2, 2015



* Q2 2015 data incomplete

Source: CARES Registry

STEMI System

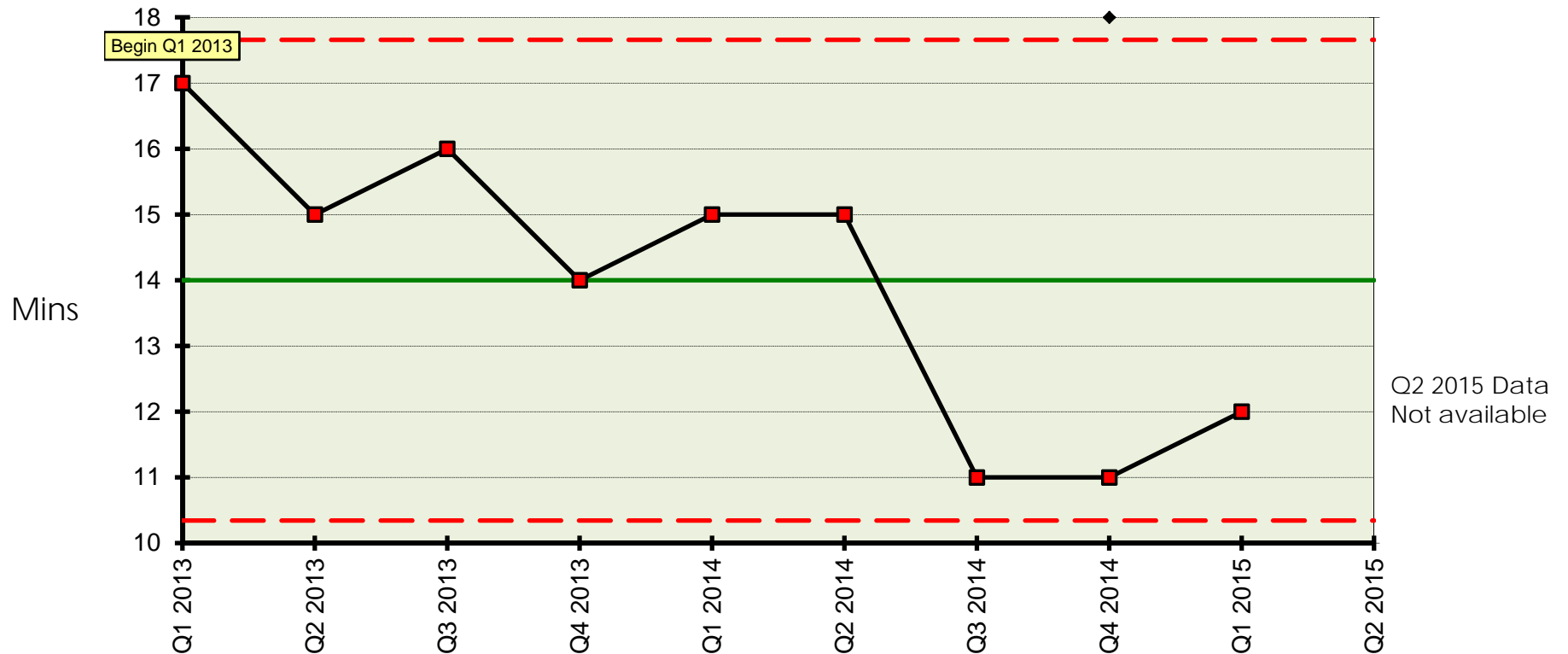
Semi-Annual Report
Quarters 1 & 2, 2015

Data Source: AMR, CCC STEMI Centers

Median Prehospital Scene Time Interval - STEMI

Semi-Annual Report through Quarter 1, 2015

Q1 N=83 STEMI Activations



Special Cause Detected

Avg of Data Shown 13.7
Median Data Shown 14.5
Sigma for Limits 1.182
Base for Limits Average MR

Chart Type: Chart for Individuals

Centerline: 13.70 Process Limits: Lower: 10.15 Upper: 17.25

A: 1 Beyond Control Limit
 B: 9 On One Side of Average
 C: 6 Trending Up or Down
 D: 14 Alternating Up & Down

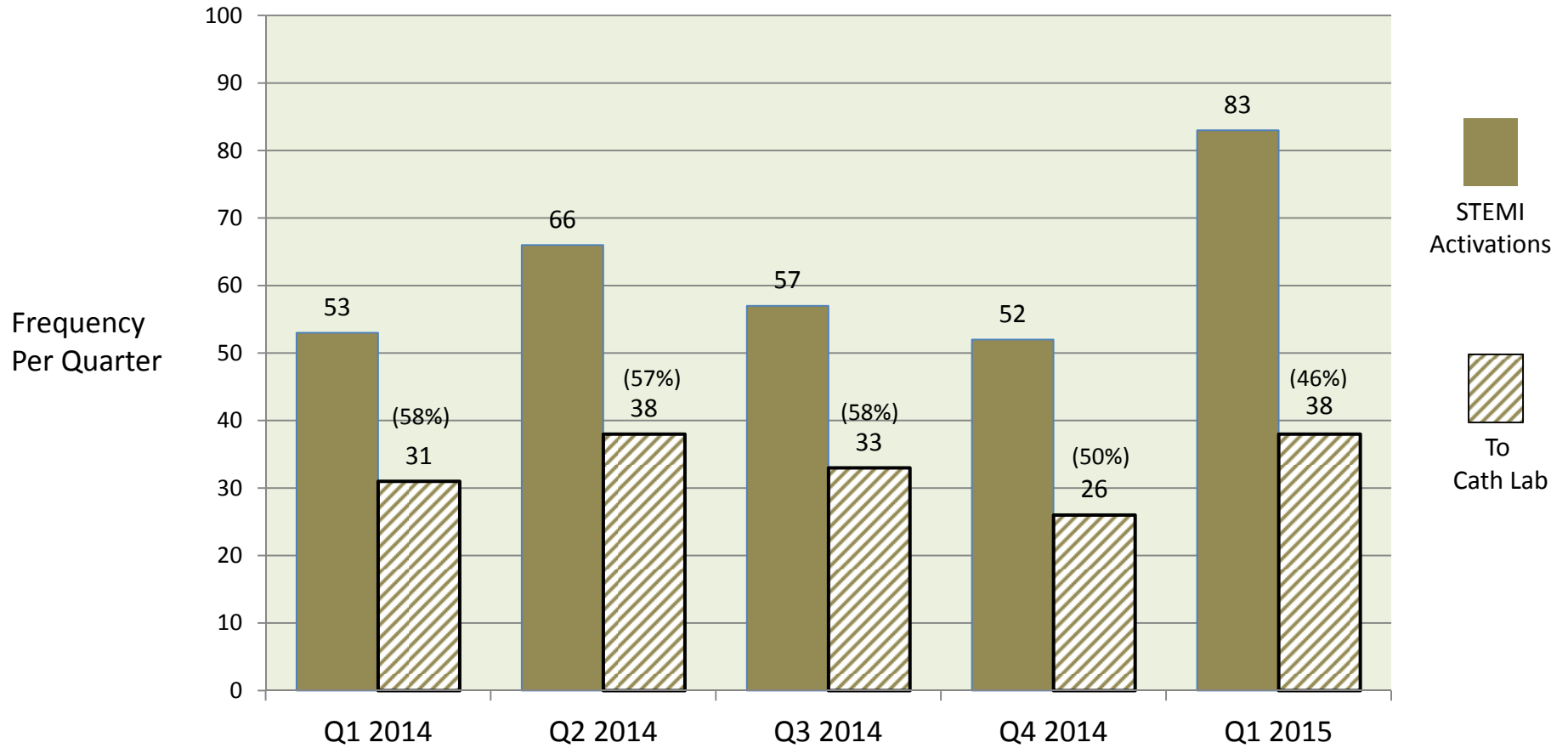
Database Column

1
 E: 2 of 3 Beyond 2 Sigma
 F: 4 of 5 Beyond 1 Sigma
 G: 15 Within 1 Sigma
 H: 8 Outside 1 Sigma
 X: Excluded or Missing Data

STEMI Alerts and Disposition

Semi-Annual Report through Quarter 1, 2015

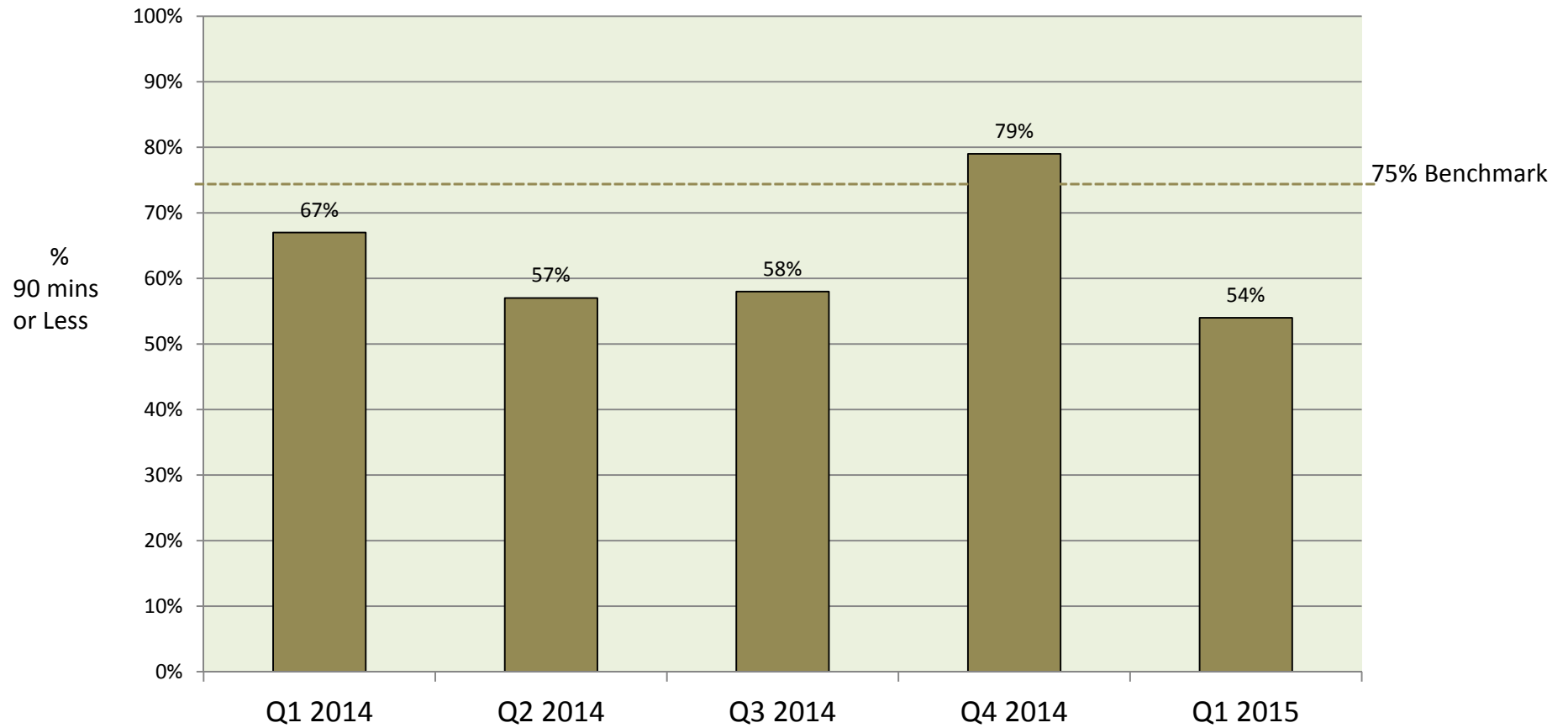
Q1 2015 N=83 Total Activations



STEMI System Time Intervals 90% Min or Less

First Medical Contact (FMC) to Intervention (PCI)

Q1 2015 N= 38 to Cath Lab
Benchmark: 90 Mins or less



Note: ITF's not included

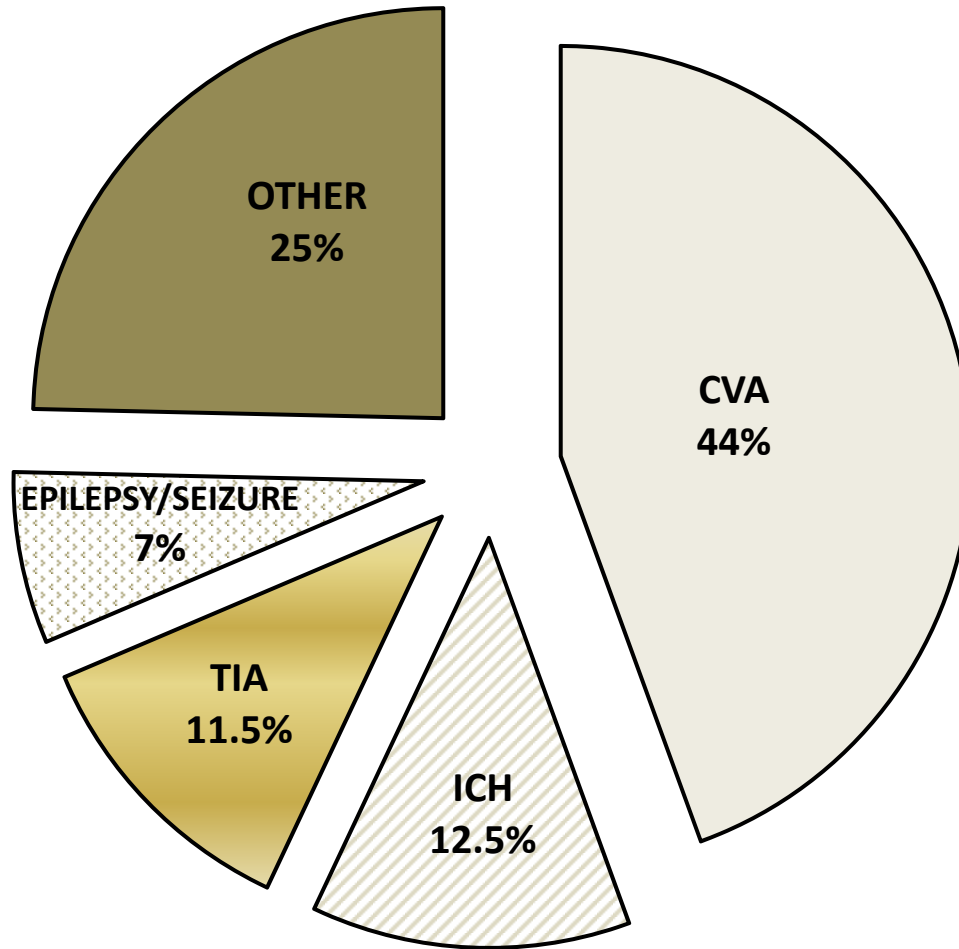
Stroke System

Semi-Annual Report
Quarters 1 & 2, 2015

Data Sources: AMR, California Stroke Registry

Final Diagnosis of Stroke Alert Patients Q1 2015

N=207

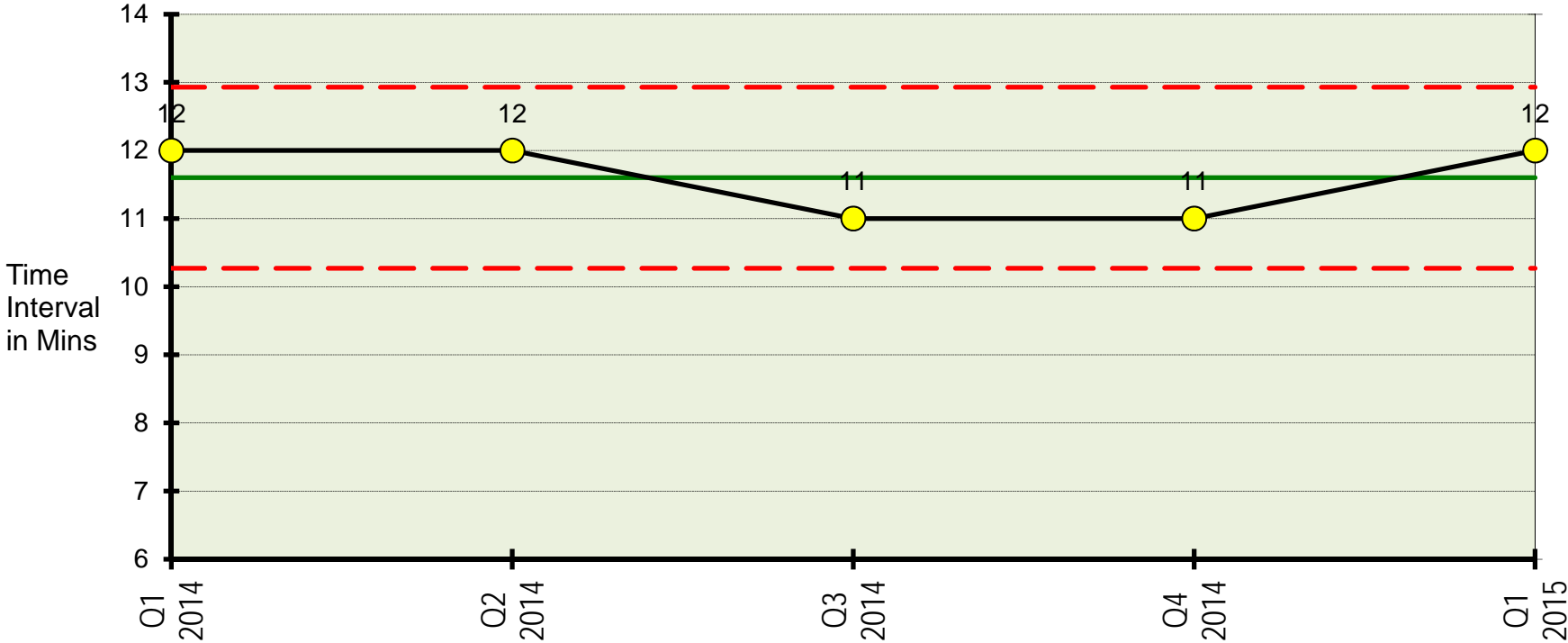


Source: PSC

STROKE ALERT

Mean Prehospital Scene Time Interval Semi-Annual through Q1 2015

Q1 N=209 Stroke Alerts
Benchmark 15 mins



No Special Cause Detected

Avg of Data Shown 11.6
Median Data Shown 12
Sigma for Limits 0.4433
Base for Limits Average MR

Chart Type: Chart for Individuals Database Column 1
Centerline: 11.60 **Process Limits:** Lower: 10.27 Upper: 12.93

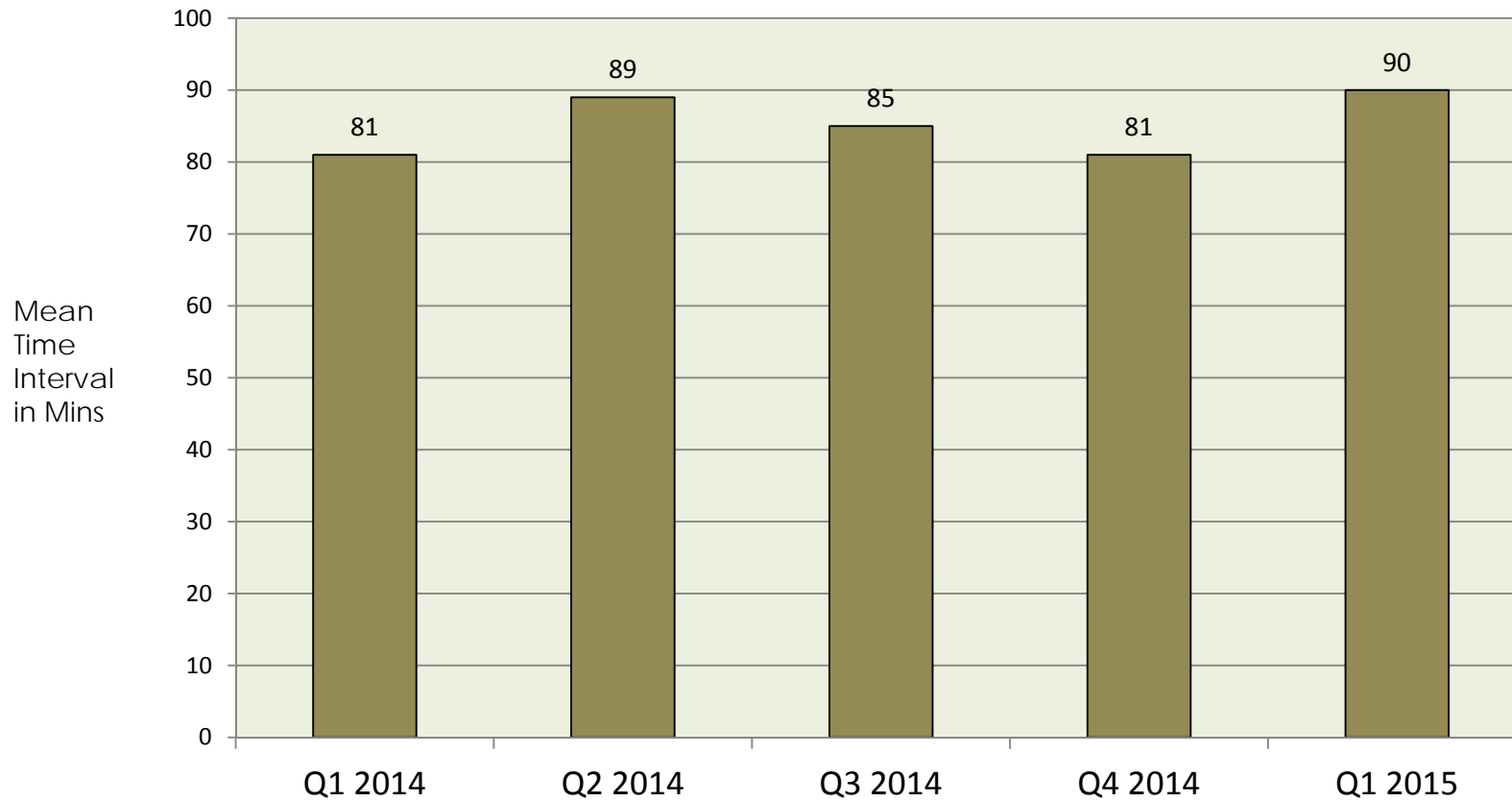
- A: 1 Beyond Control Limit
- B: 9 On One Side of Average
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- E: 2 of 3 Beyond 2 Sigma
- F: 4 of 5 Beyond 1 Sigma
- G: 15 Within 1 Sigma
- H: 8 Outside 1 Sigma
- X: Excluded or Missing Data

Stroke System

Mean Time Interval; Call Received to Drug

Semi-Annual through Q1 2015

Q1 2015 N = 209 Stroke Alerts



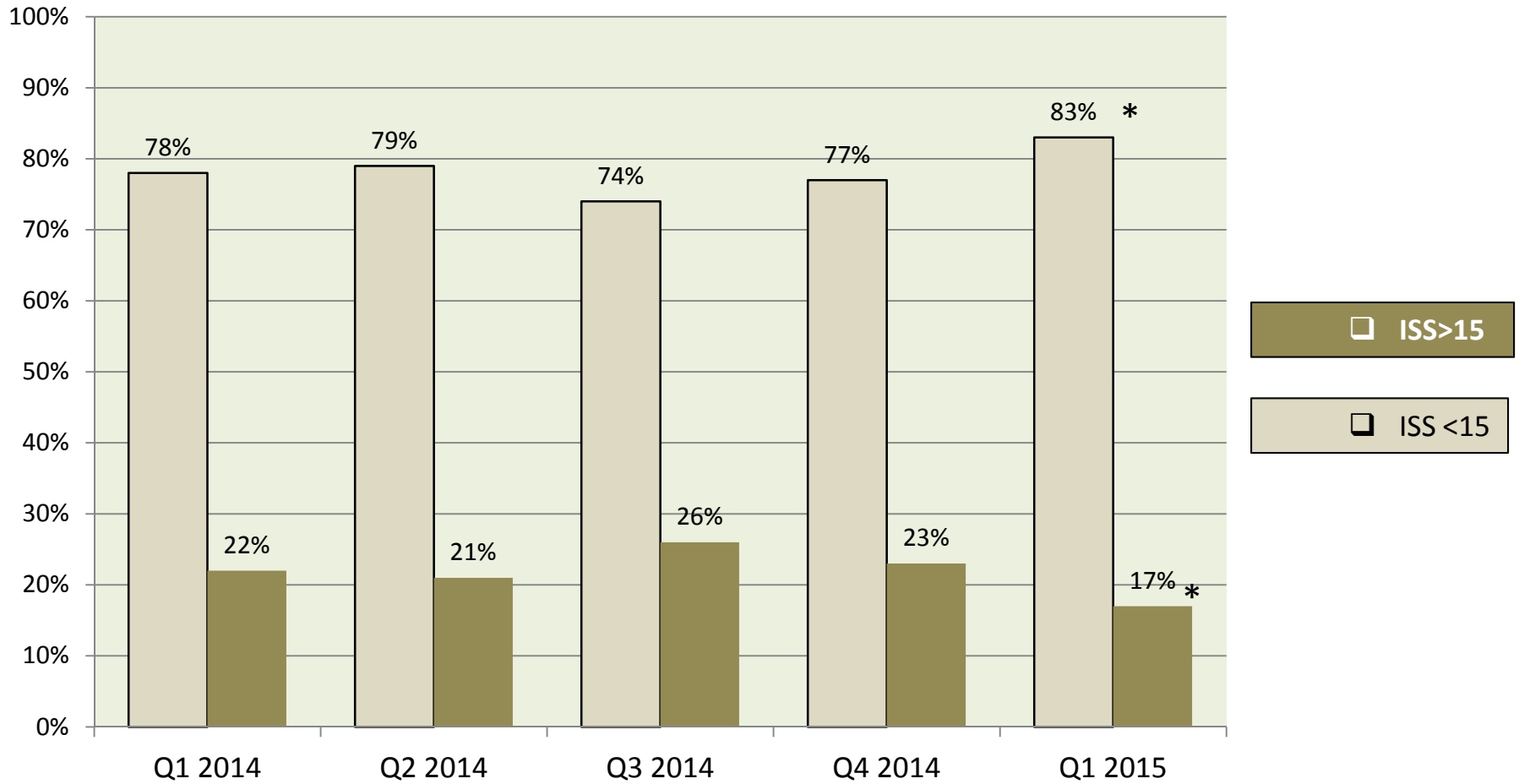
Trauma System

Semi-Annual Report
Quarters 1 & 2, 2015

Data Source: Trauma & Base Hospital Registry

% Trauma Activations by ISS Semi-Annual to Q1 2015

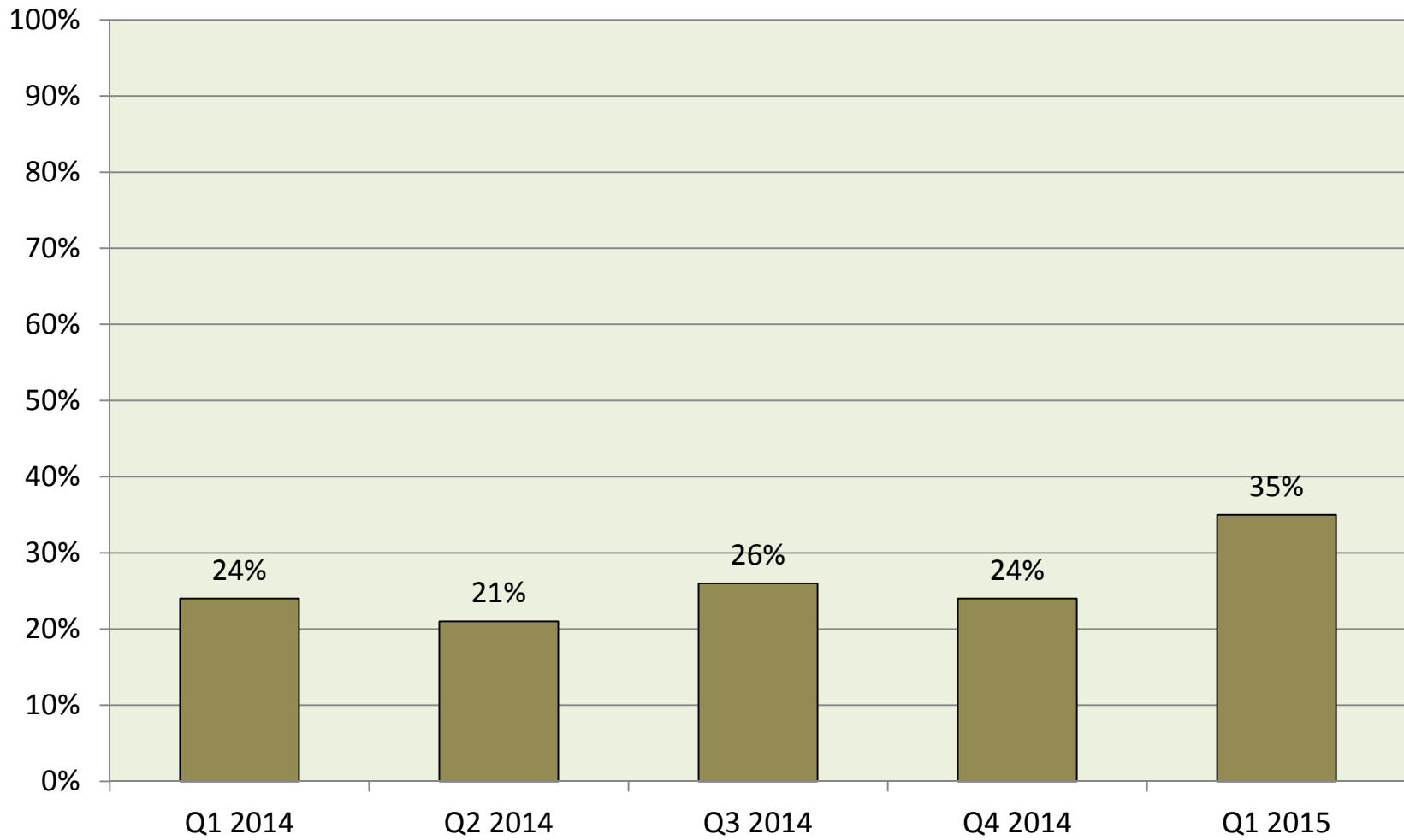
N= 43 ISS>15 Q1 2015
N= 219 ISS<15 Q1 2015



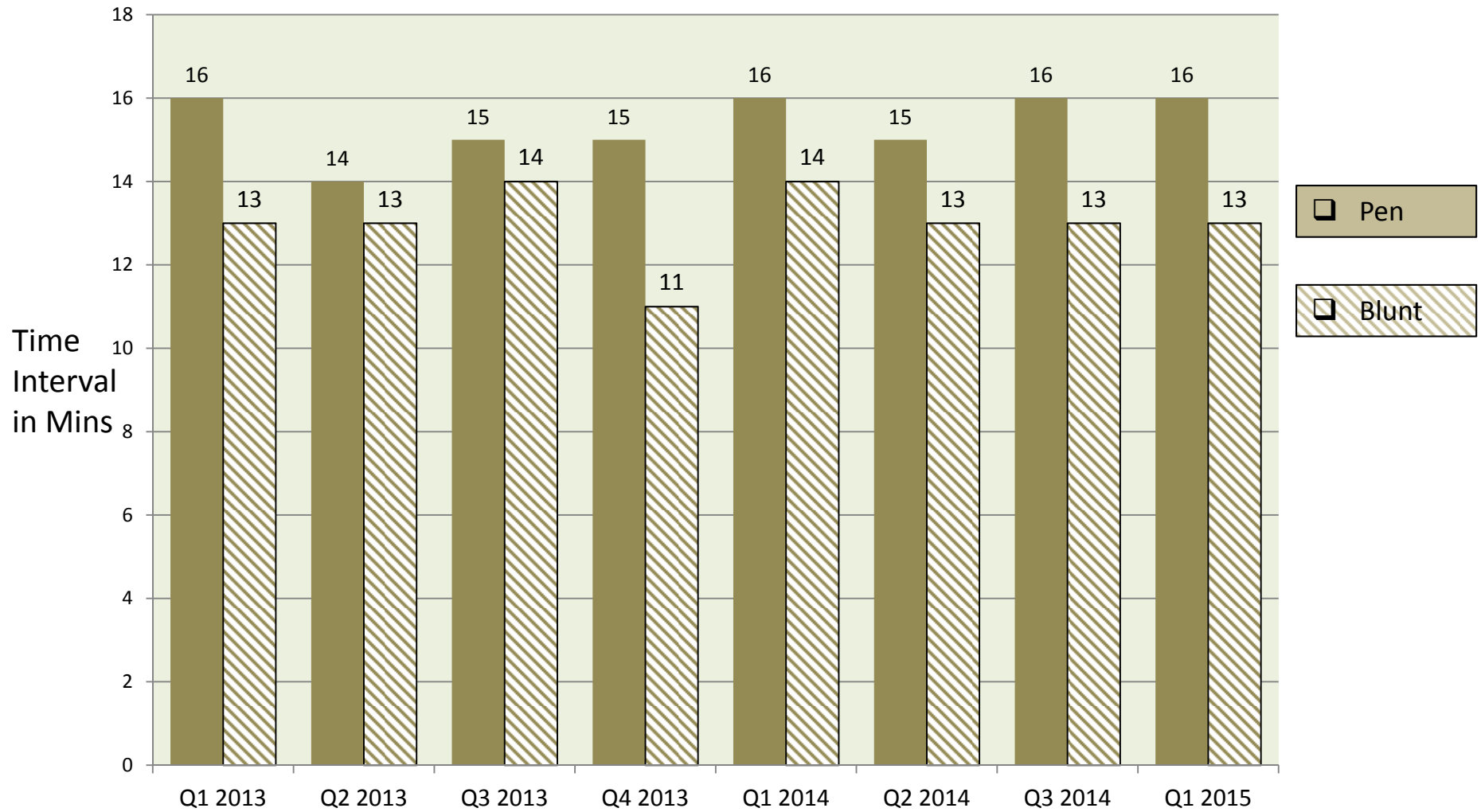
* Note: Q1 2015 Numbers reflect incomplete data due to implementation of New Data System

Trauma Activations % Discharged from ED Semi-annual 2015

By Quarter to Q1 2015; Q1 N=93



Median Prehospital On Scene Time Interval Blunt vs. Penetrating Trauma By Quarter Semi-Annual to Q1 2015



END
CORE MEASURES
SYSTEM REPORT

Semi-Annual Report
Quarters 1 & 2, 2015

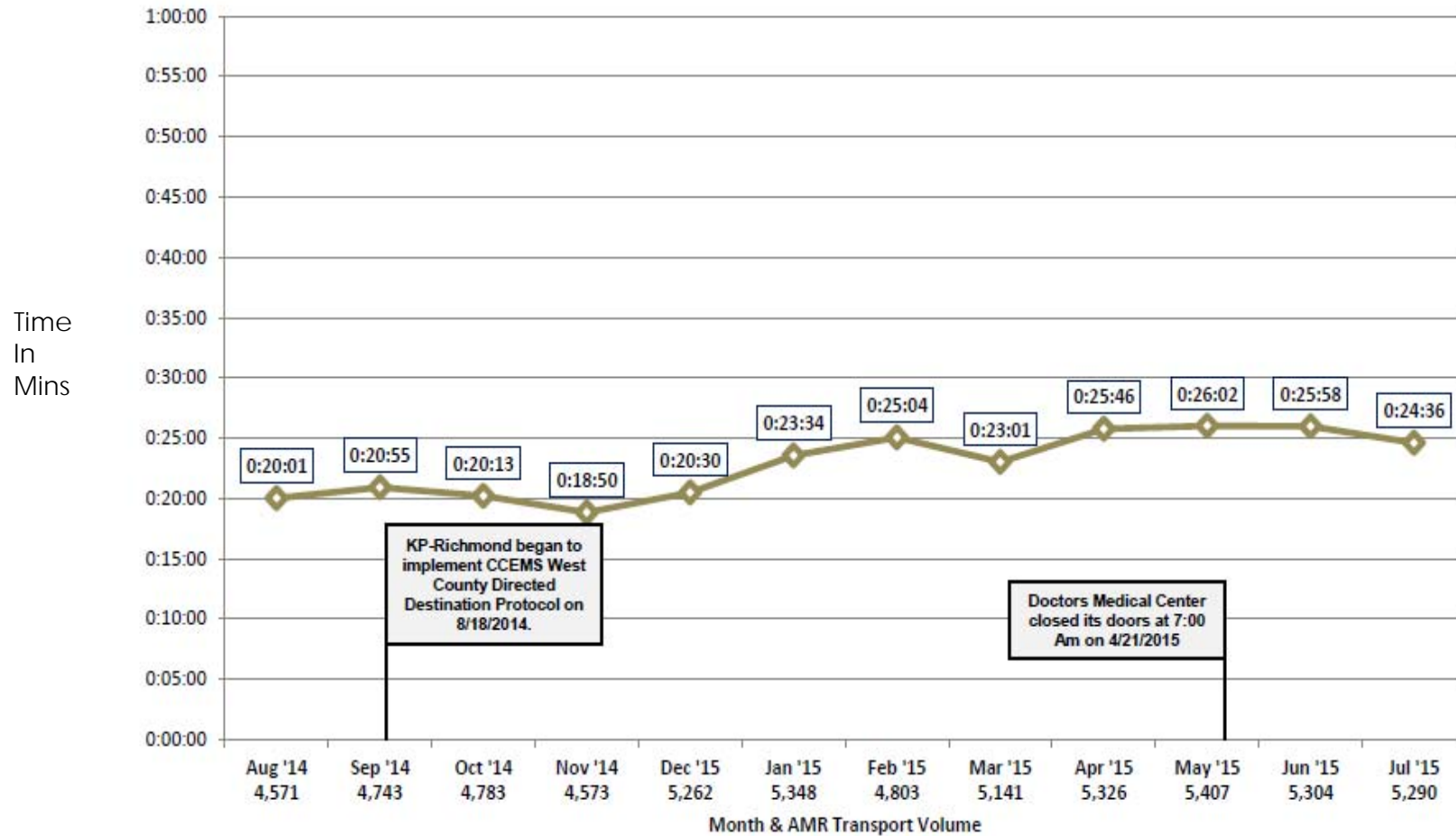
Ambulance Patient Hand Off Delays

Semi-Annual Report
Quarters 1 & 2, 2015



Patient Handoff Times by Facility 90th PERCENTILE OF ALL FACILITIES

August 2014 - July 31, 2015
60,551 Transports (5,046 per Month)
Source: AMR MEDS (ePCR Database)



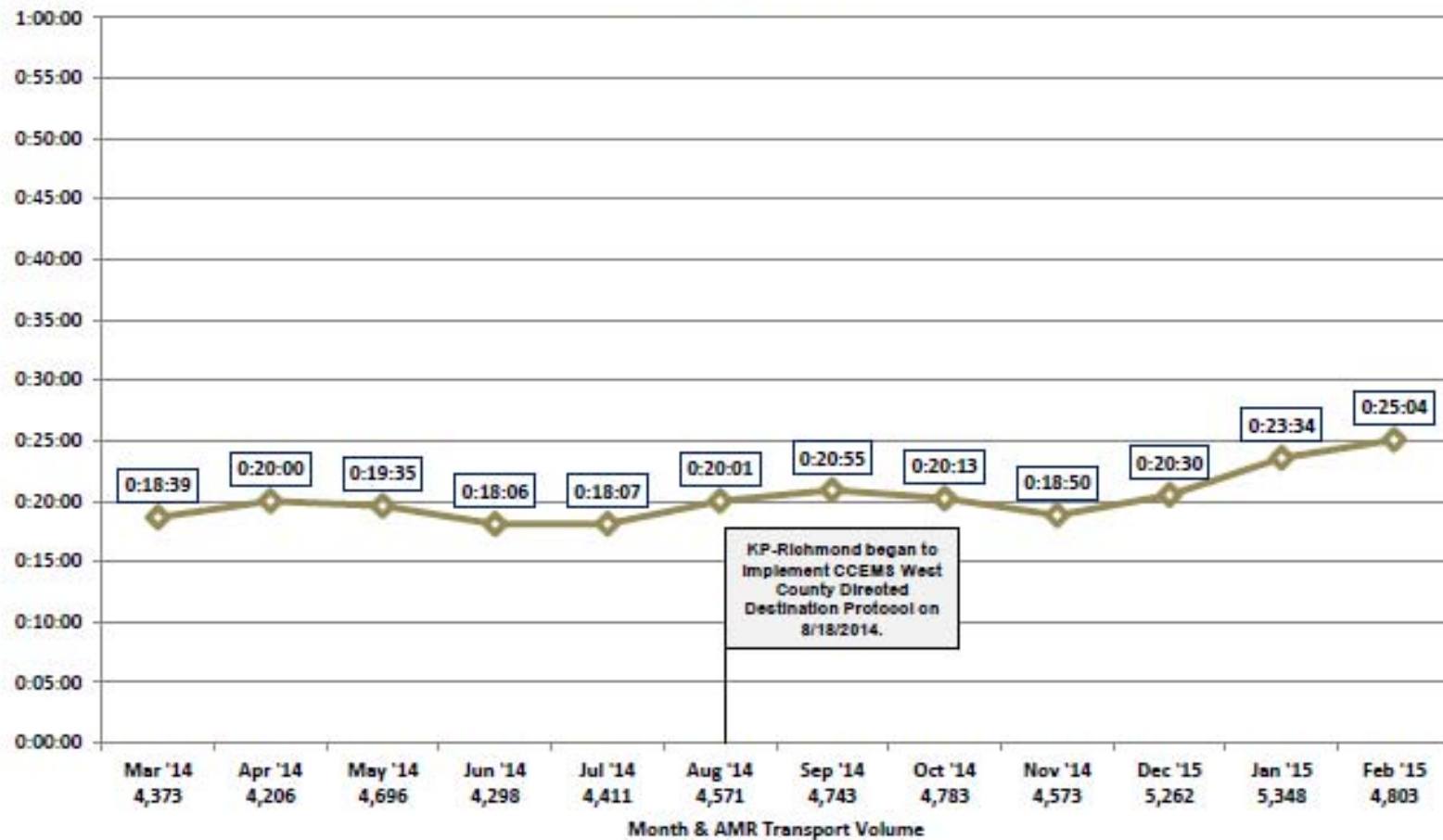


Patient Handoff Times by Facility 90th PERCENTILE OF ALL FACILITIES

March 2014 - February 2015

56,067 Transports (4,672 per Month)

Source: AMR MEDS (ePCR Database)





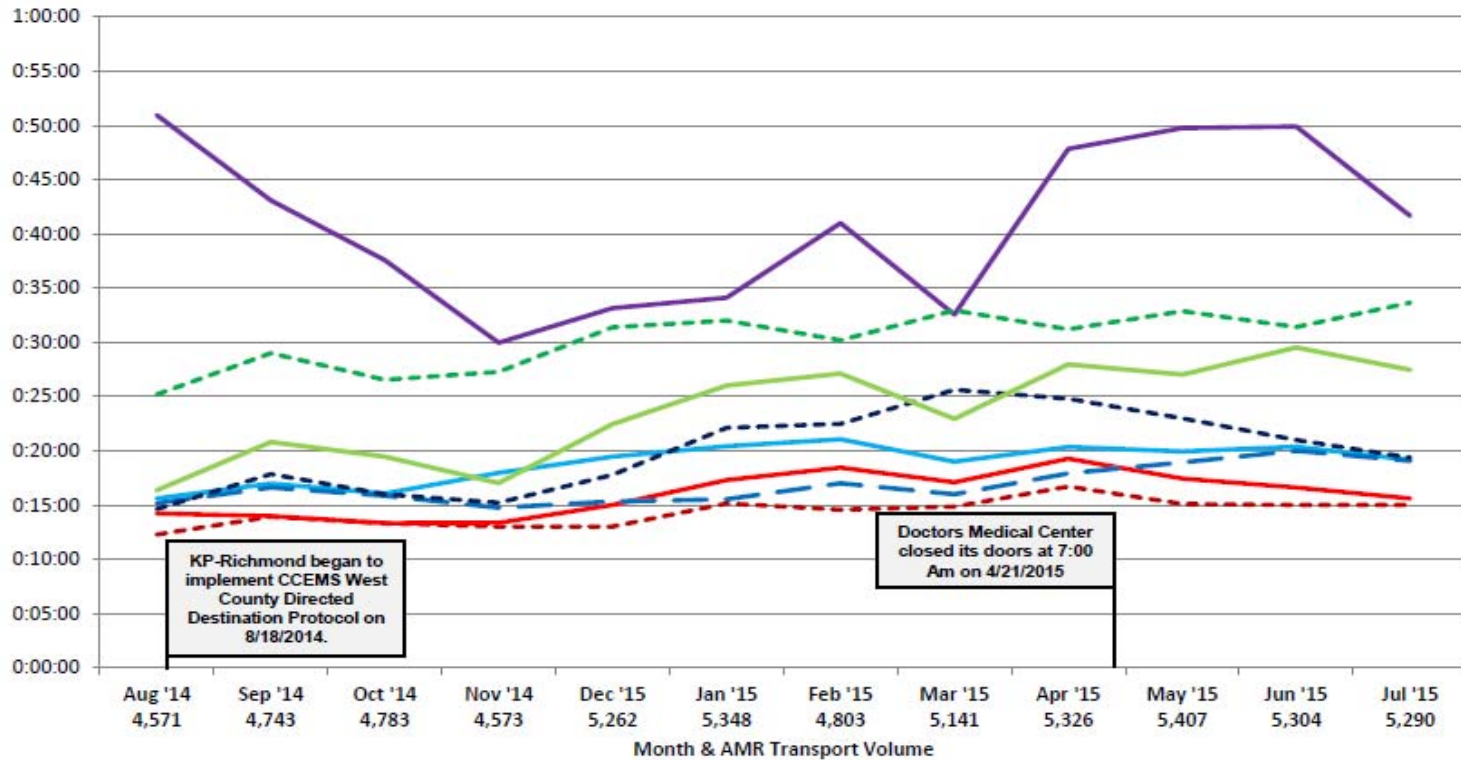
Patient Handoff Times by Facility (90th Percentile)

August 2014 - July 31, 2015

Source: AMR MEDS (ePCR Database)

- - - John Muir - Concord
- John Muir - Walnut Creek
- Kaiser Hospital - Antioch
- Kaiser Hospital - Richmond
- - - Kaiser Hospital - Walnut Creek
- Contra Costa Regional Medical Center
- Sutter Delta Medical Center
- - - PES - Contra Costa Regional Medical Center

Time In Mins



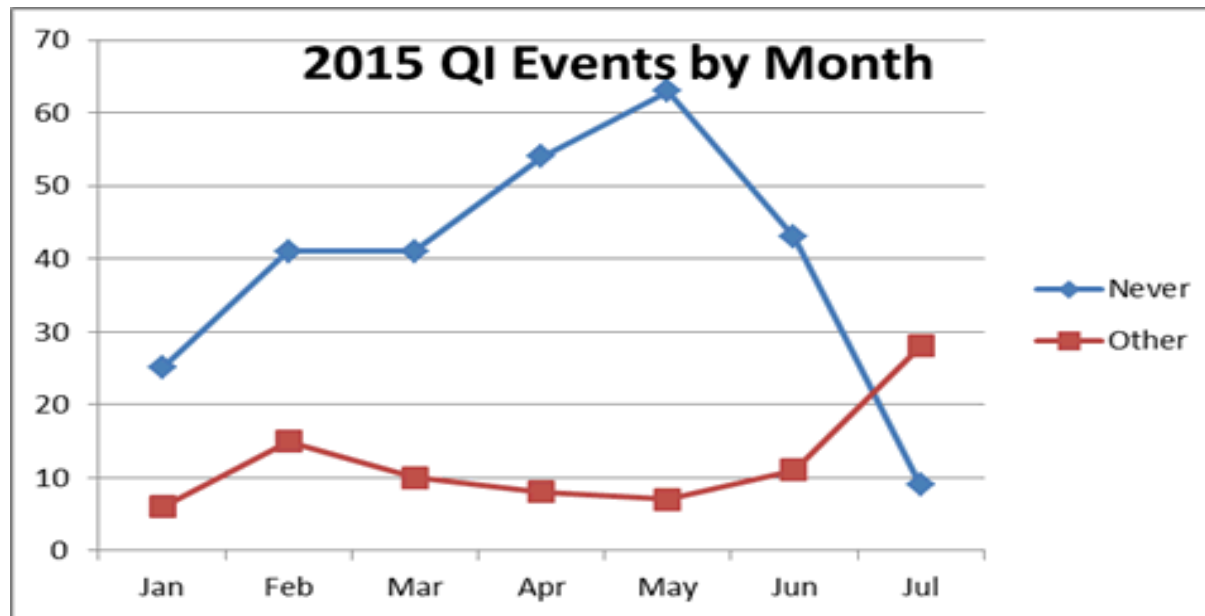
KP-Richmond began to implement CCEMS West County Directed Destination Protocol on 8/18/2014.

Doctors Medical Center closed its doors at 7:00 Am on 4/21/2015

EMS Events Reporting Trends

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Month	# Reports	Never	Other
Jan	31	25	6
Feb	56	41	15
Mar	51	41	10
Apr	62	54	8
May	70	63	7
Jun	54	43	11
Jul	37	9	28
Total	361	276	85



END REPORT

Semi-Annual Report
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Contra Costa EMS Agency Quality Initiatives

PRIORITY 2015-16

**Provider CQI Plans
Pt Care Documentation**

2014-15 -Continue Active

High Performance Cardiac Arrest & CPR

EMS Patient Off-Load Time Reduction

Never Events - EMS Events Reporting Process

2013-14 – Monitor & Sustain

Spinal Motion Restriction

Pediatric Medication Safety