

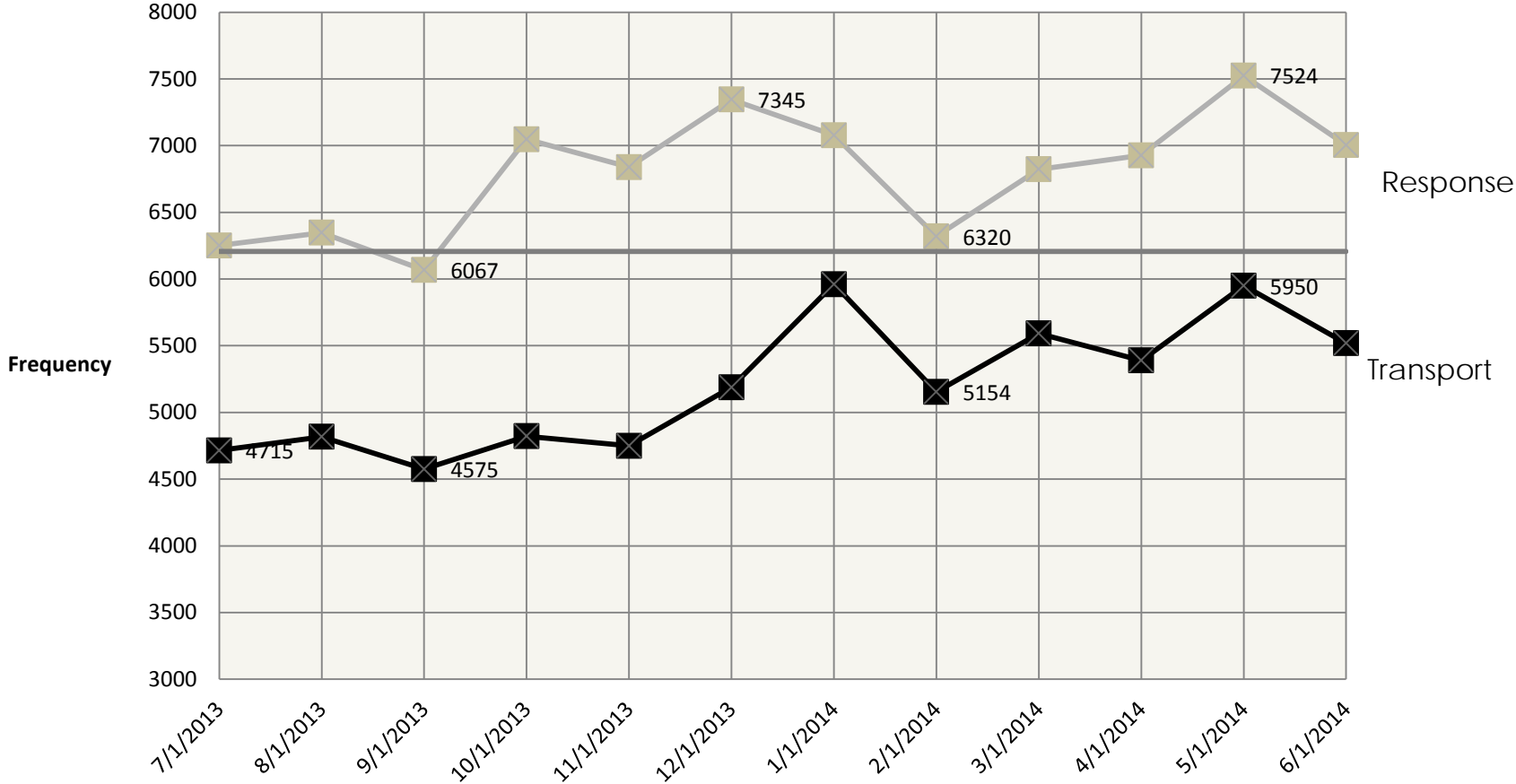
Contra Costa EMS Agency
Core Quality Indicators
Q1 & Q2 2014

System Utilization

Q1 & Q2 2014

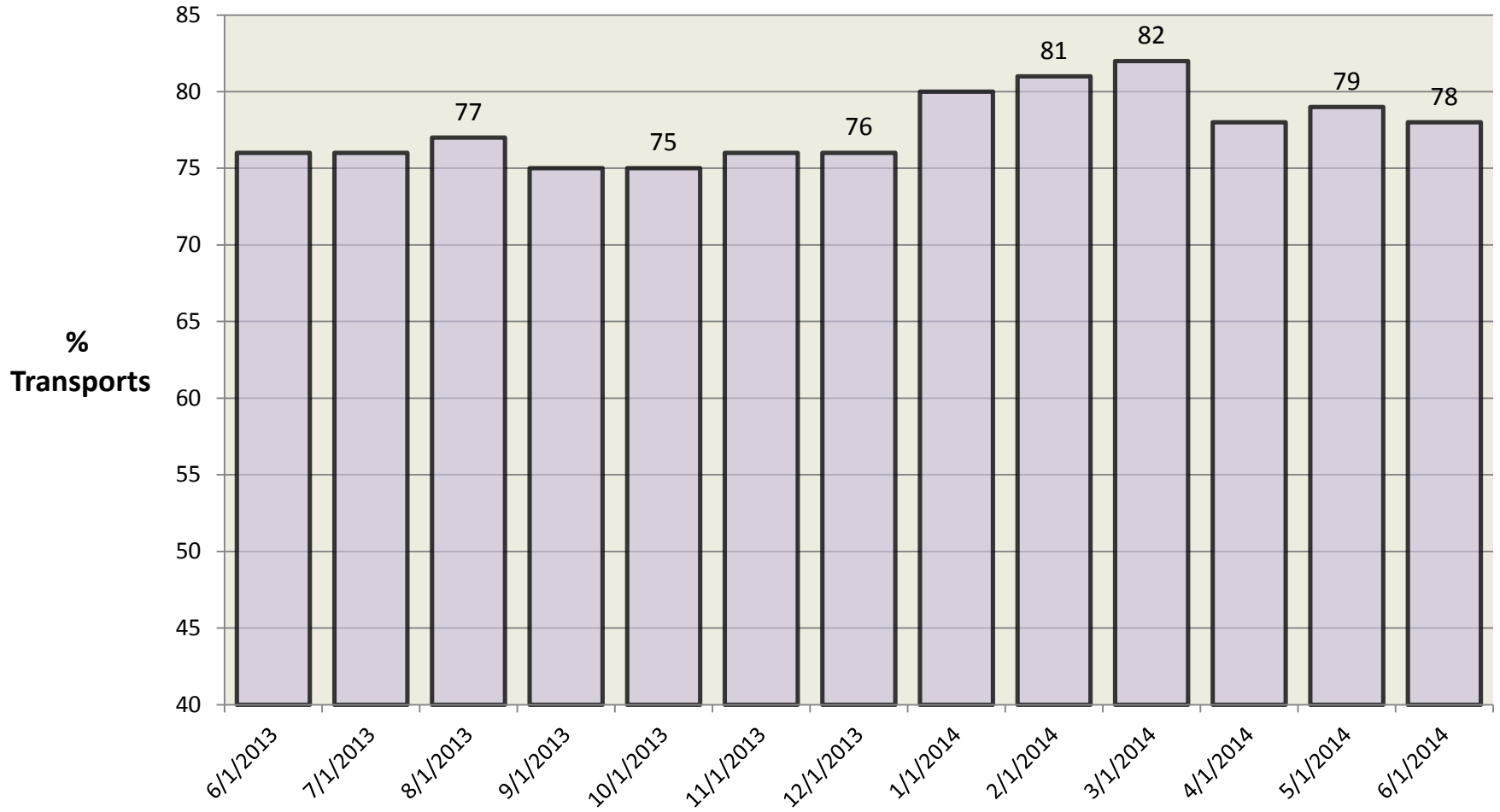
Contra Costa County 911 Ambulance Response and Transport By Month Through Q2 2014

(Data excludes SRVFD)



Contra Costa County 911 Ambulance % Transport per Response by Month Through Q2 2014

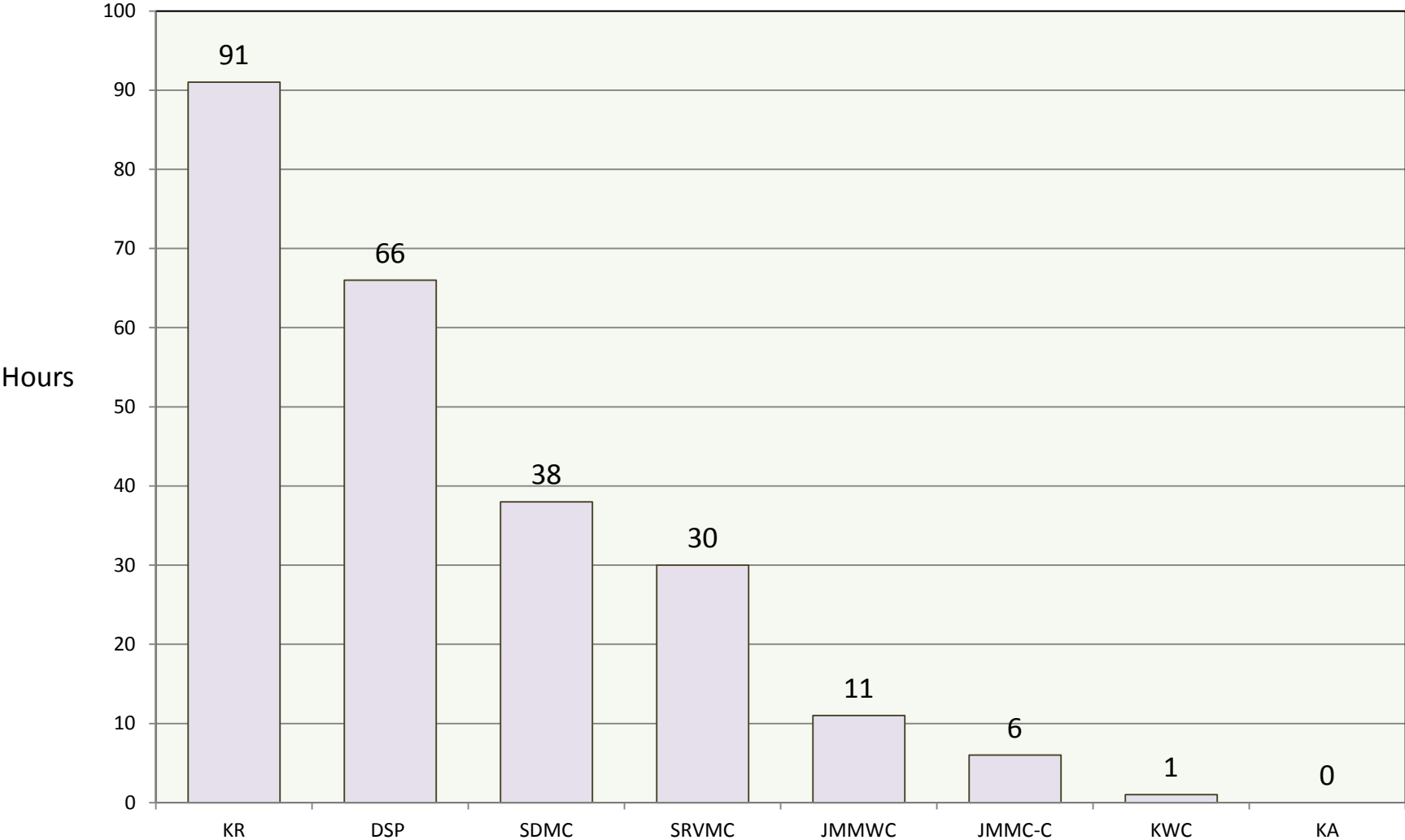
Median=78 %



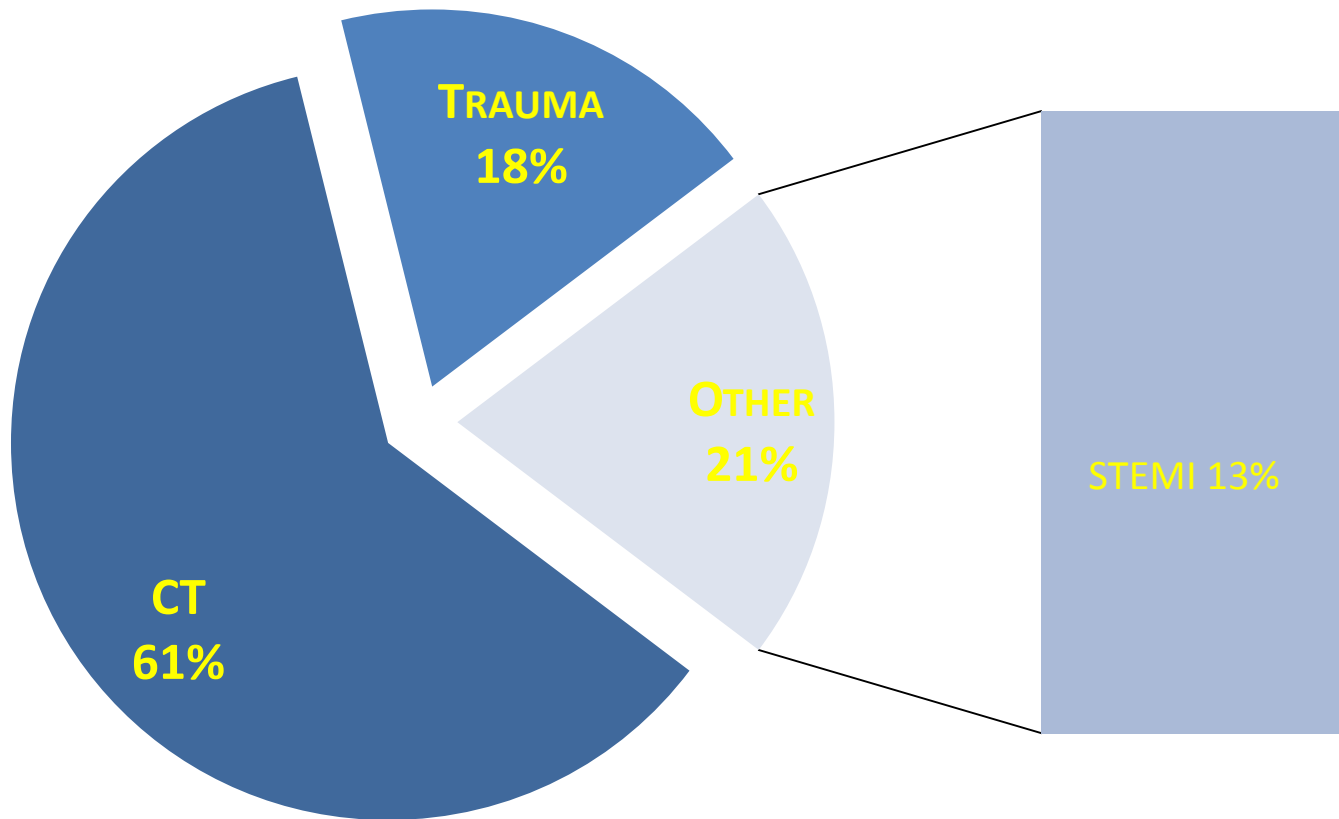
Contra Costa Hospitals EMS Diversion by Cumulative Hours

Q1, Q2 2014

233 Total Hours on Diversion Q1-Q2



Contra Costa Hospitals
EMS Diversion by % Cause
Q1, Q2 2014
233 Total Hours on Diversion Q1-Q2



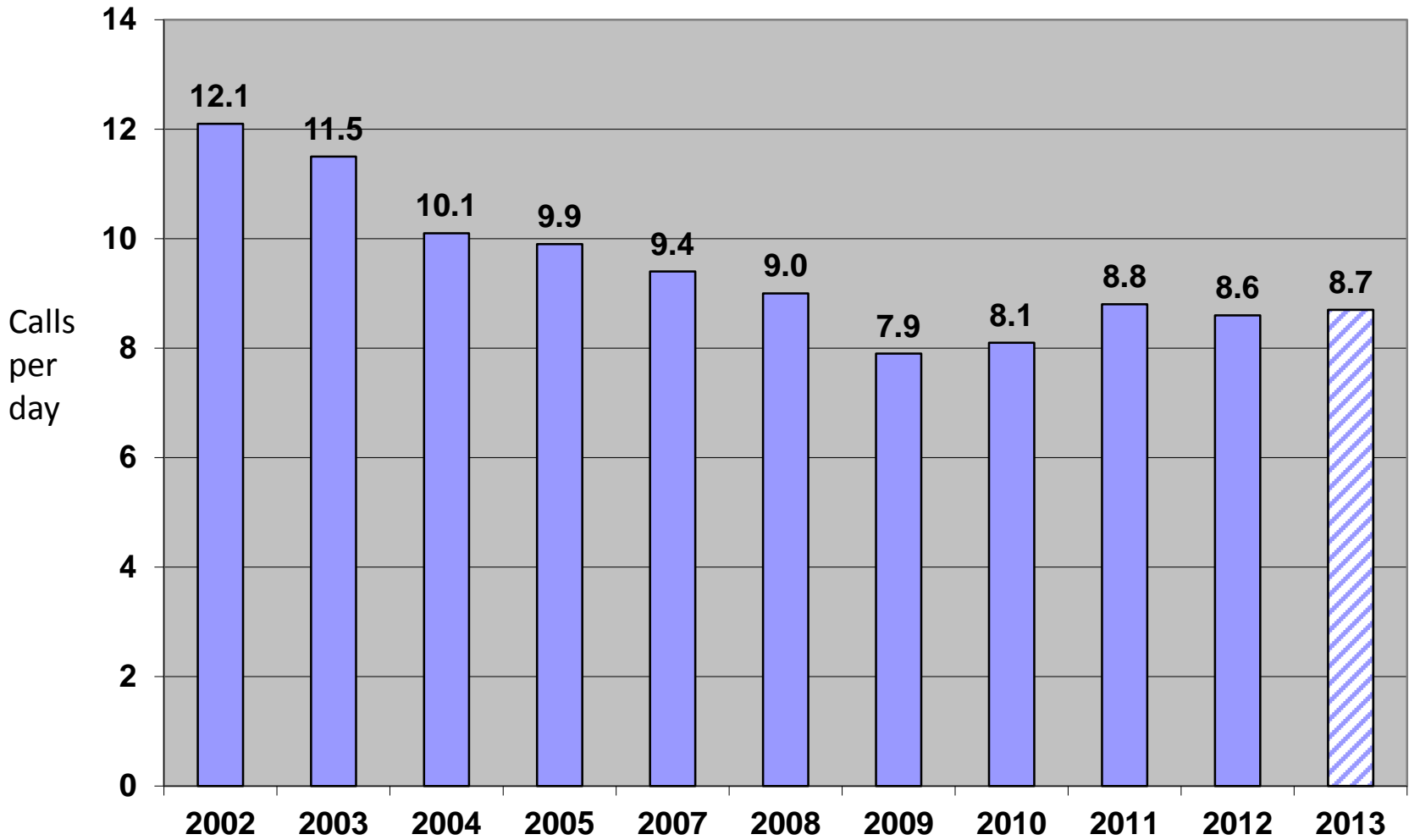
Base Hospital

Q1 & Q2 2014

2014 base data not yet available

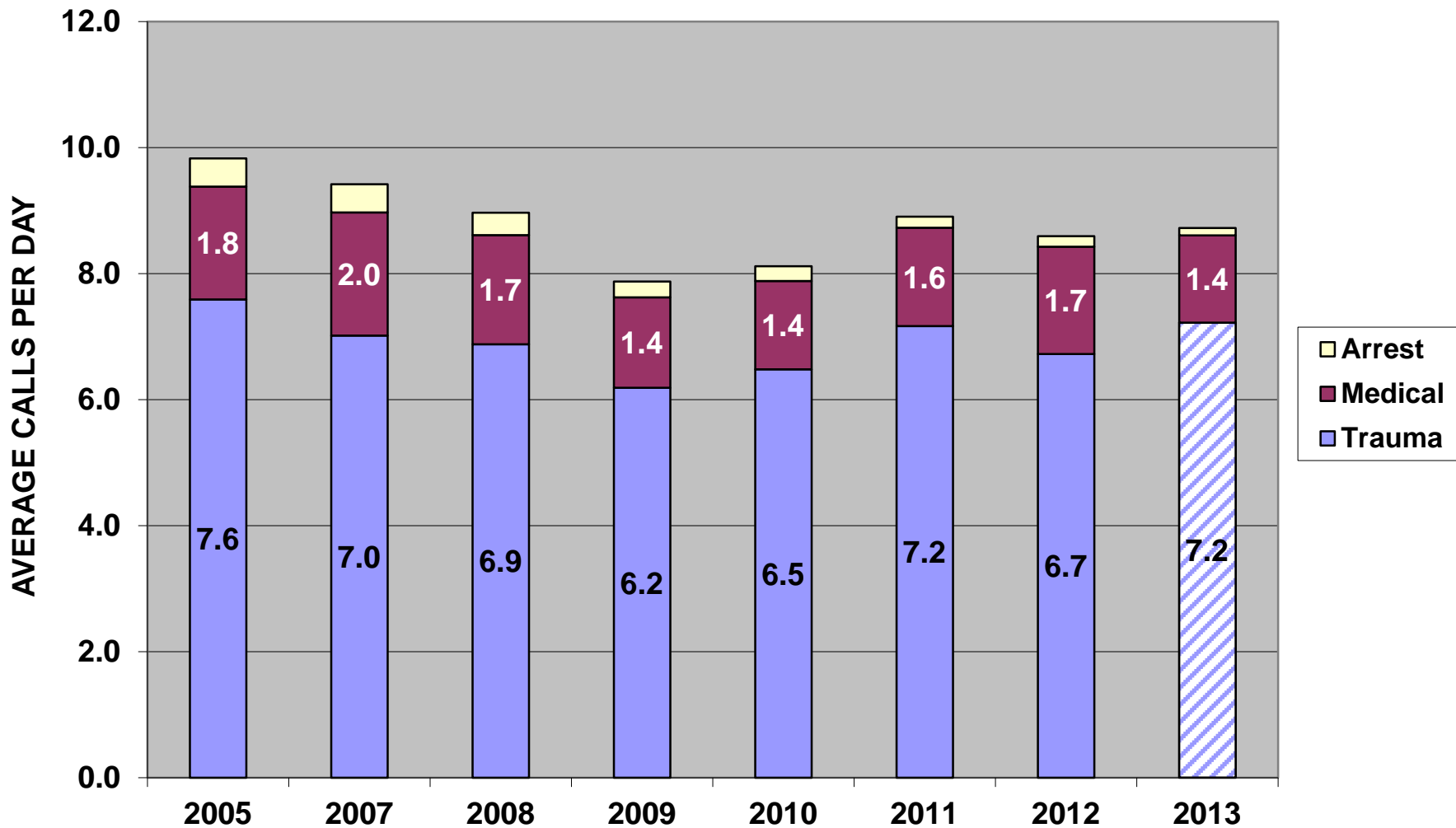
Base Hospital Average Daily Calls By Year to Q4 2013

N(Q2)=775

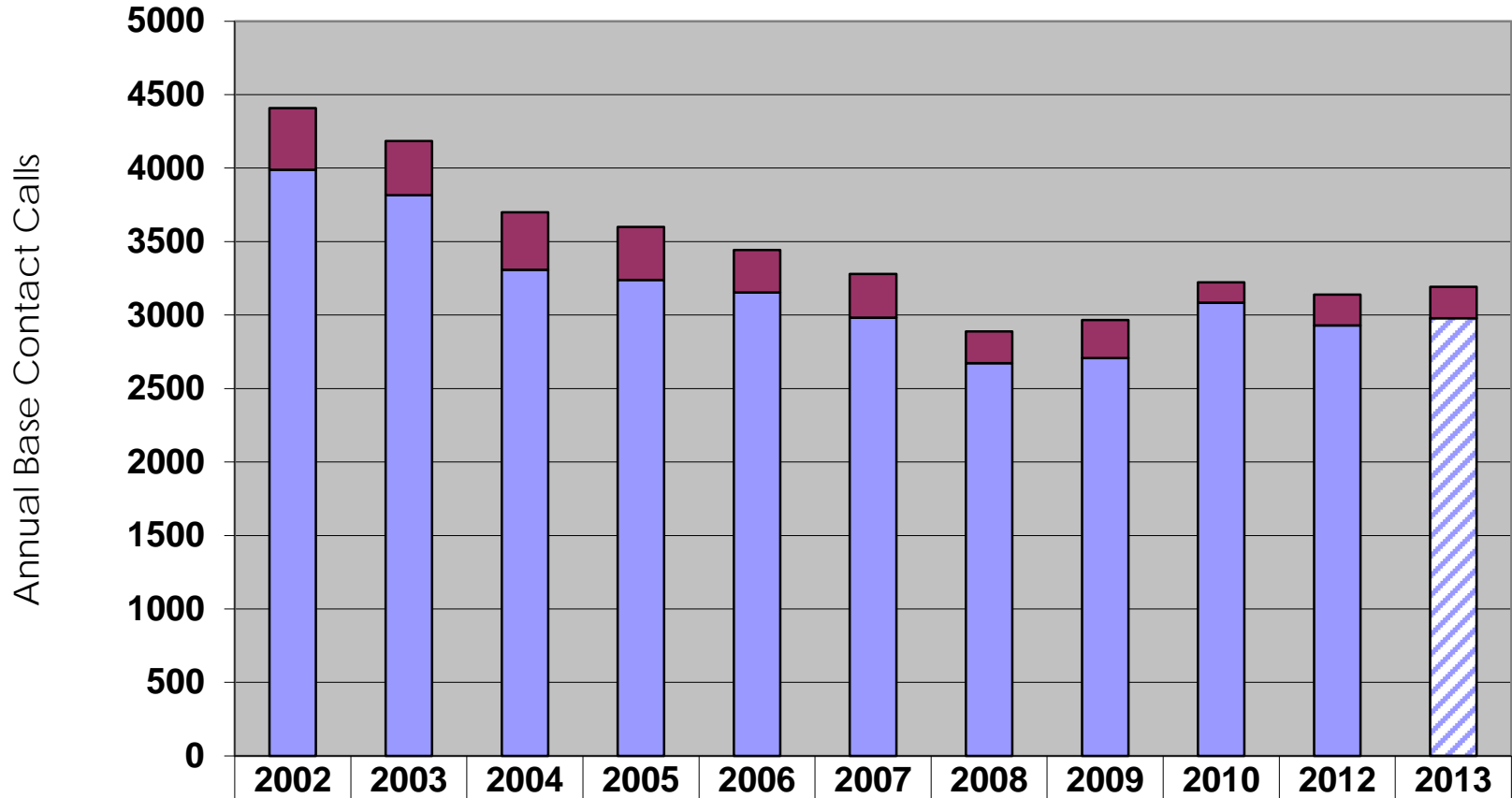


Median = 9.4

AVERAGE DAILY BASE CALL BY CALL TYPE To Q4 2013



Base Contact for Adult vs. Pediatric Patients To Q4: 2013



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2012	2013
■ Pediatric Calls	421	369	390	360	290	297	216	258	138	209	214
■ Adult Calls	3988	3815	3309	3239	3153	2983	2673	2708	3084	2930	2979

Note: Pediatric age 14 or below

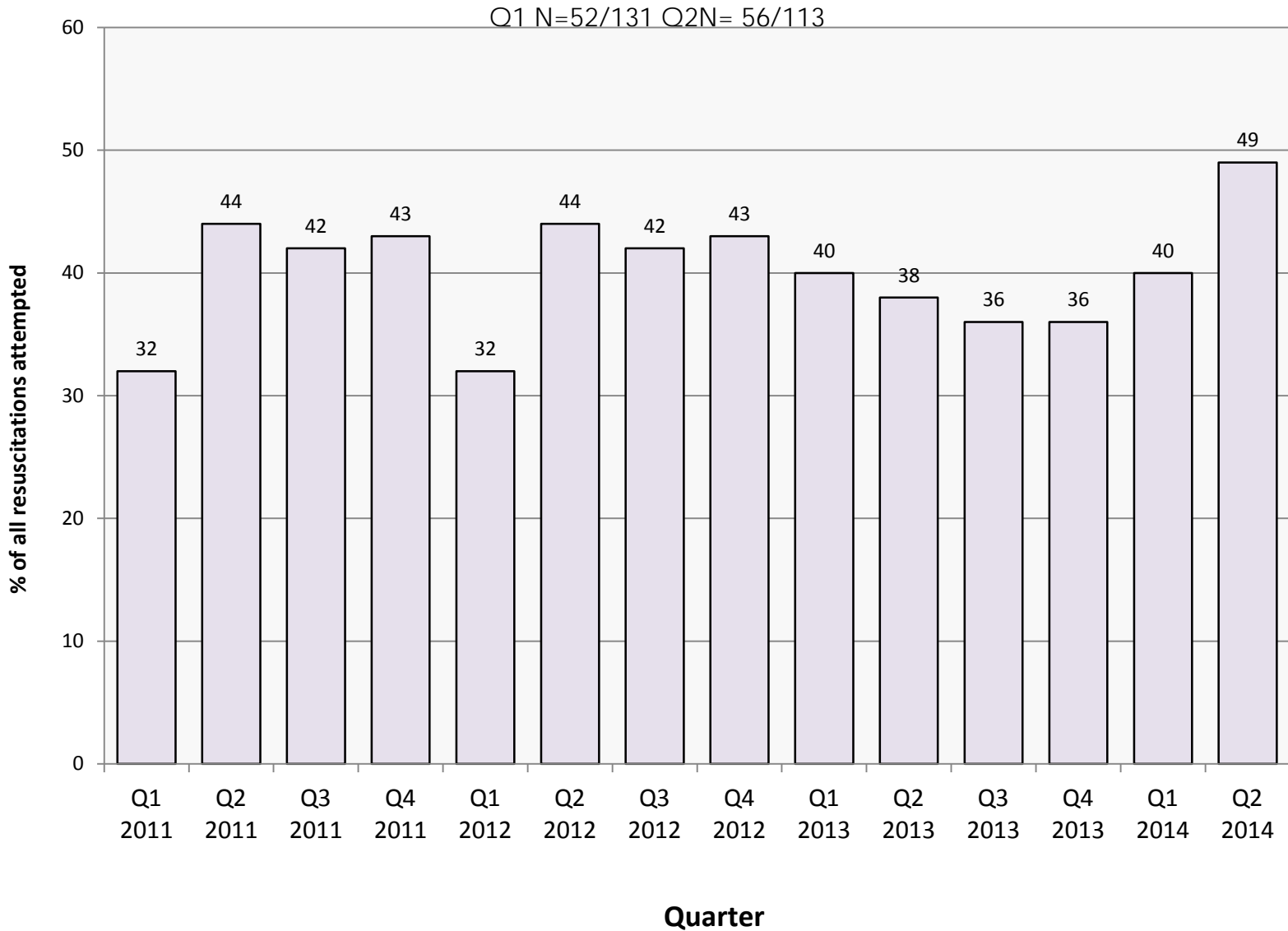
Cardiac Arrest

Q1 & Q2 2014

Data Source: CARES Registry through June 2012.

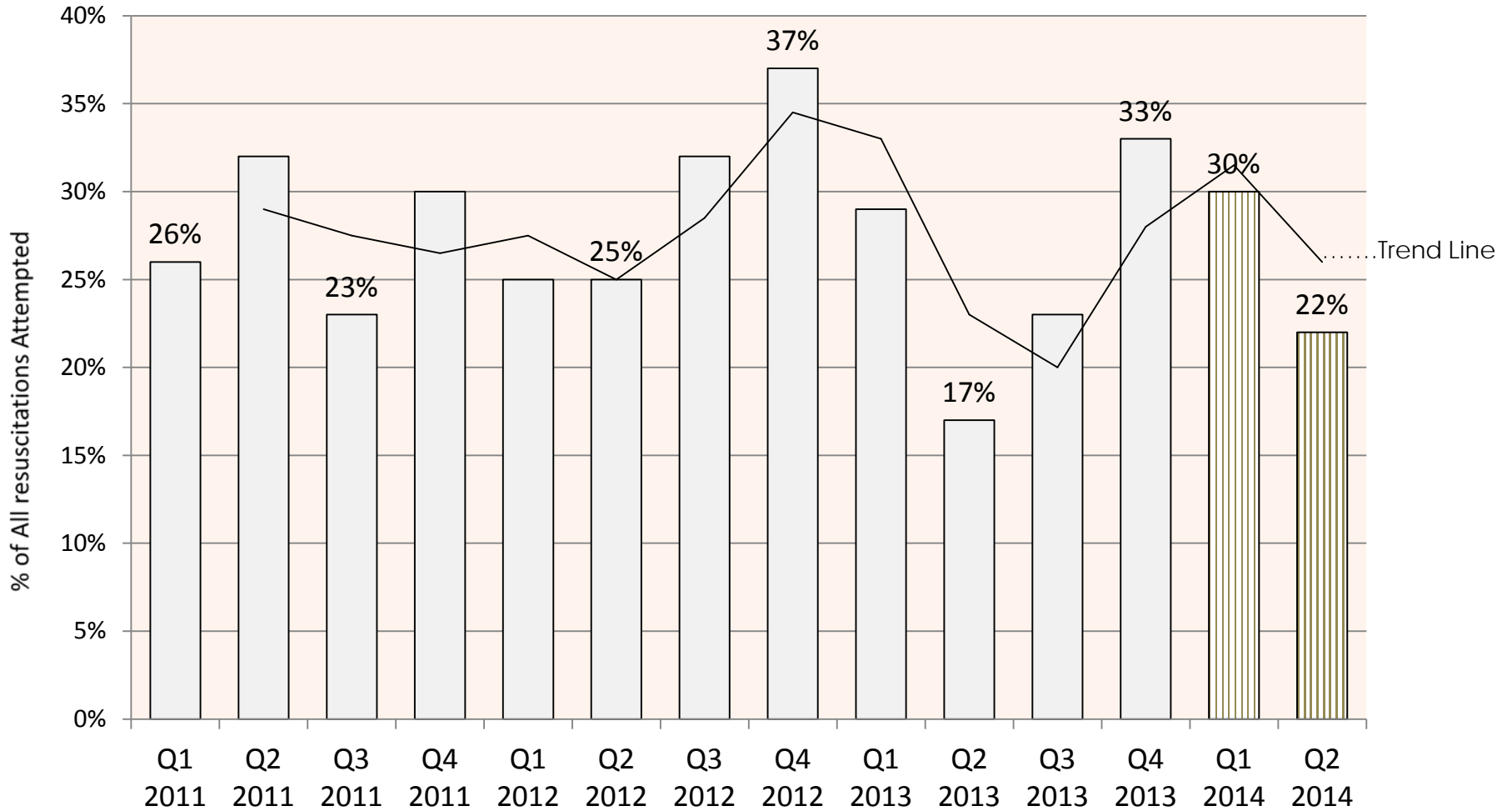
Excludes Medical Facilities (hospitals, clinics, SNF); Excludes arrest after EMS arrival

% Bystander CPR by Quarter Ending Q2 2014



Cardiac Arrest Survival Utstein By Quarter 2011 to Q2: 2014

Q1 N=38/126 Q2 N=25/113

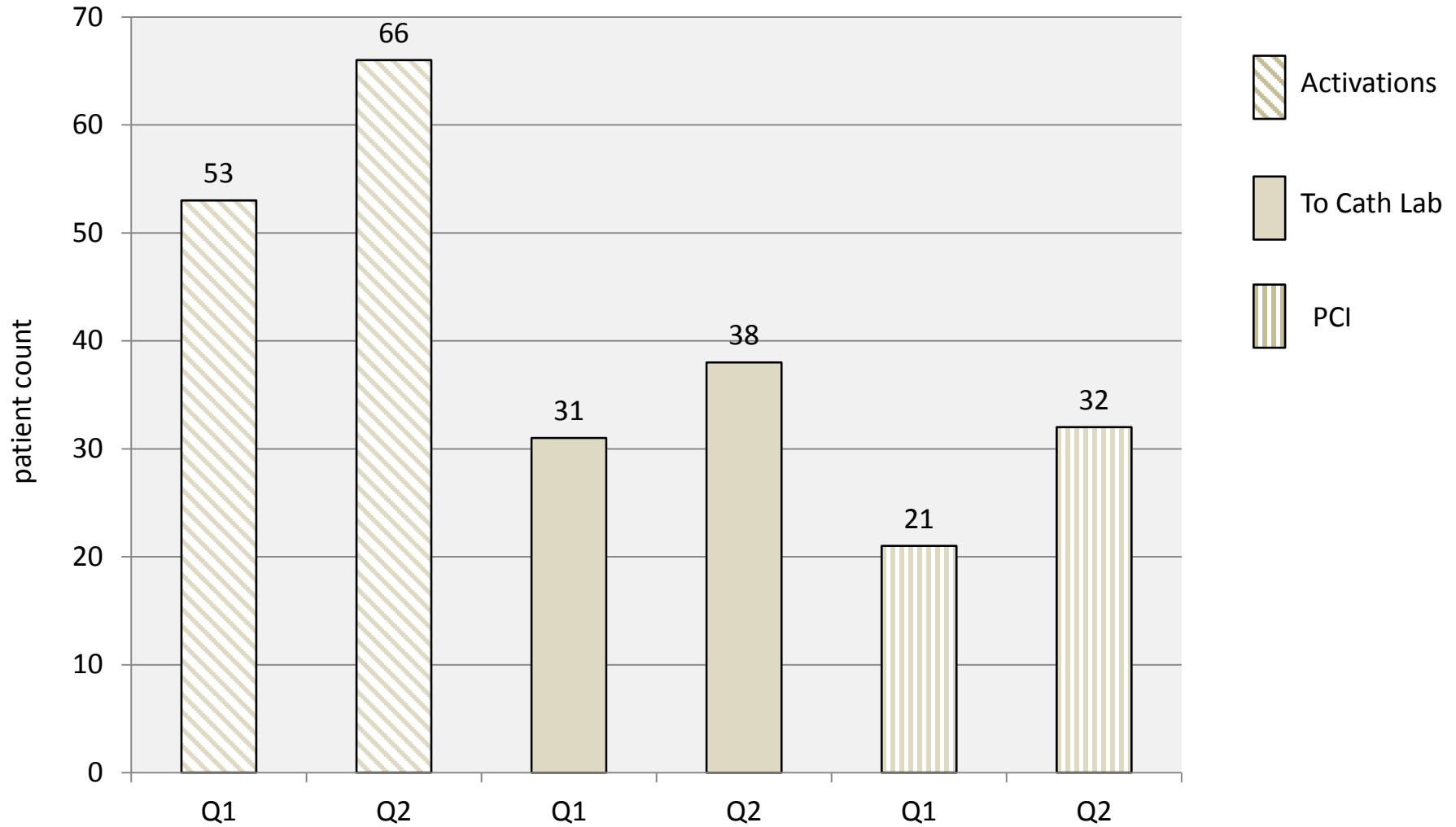


STEMI System

Q1 & Q2 2014

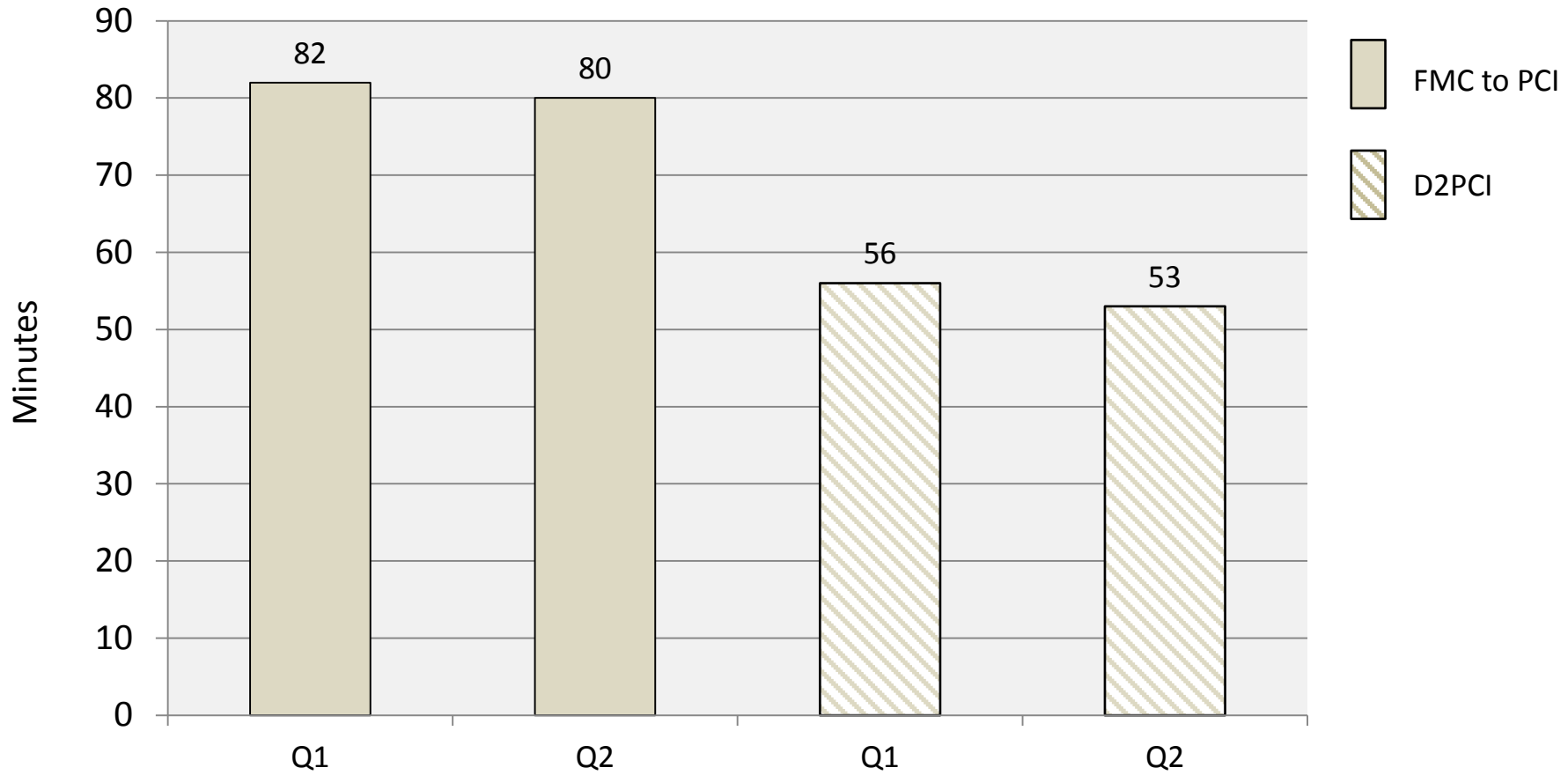
Contra Costa STEMI System Activity

Q1 & Q2 2014

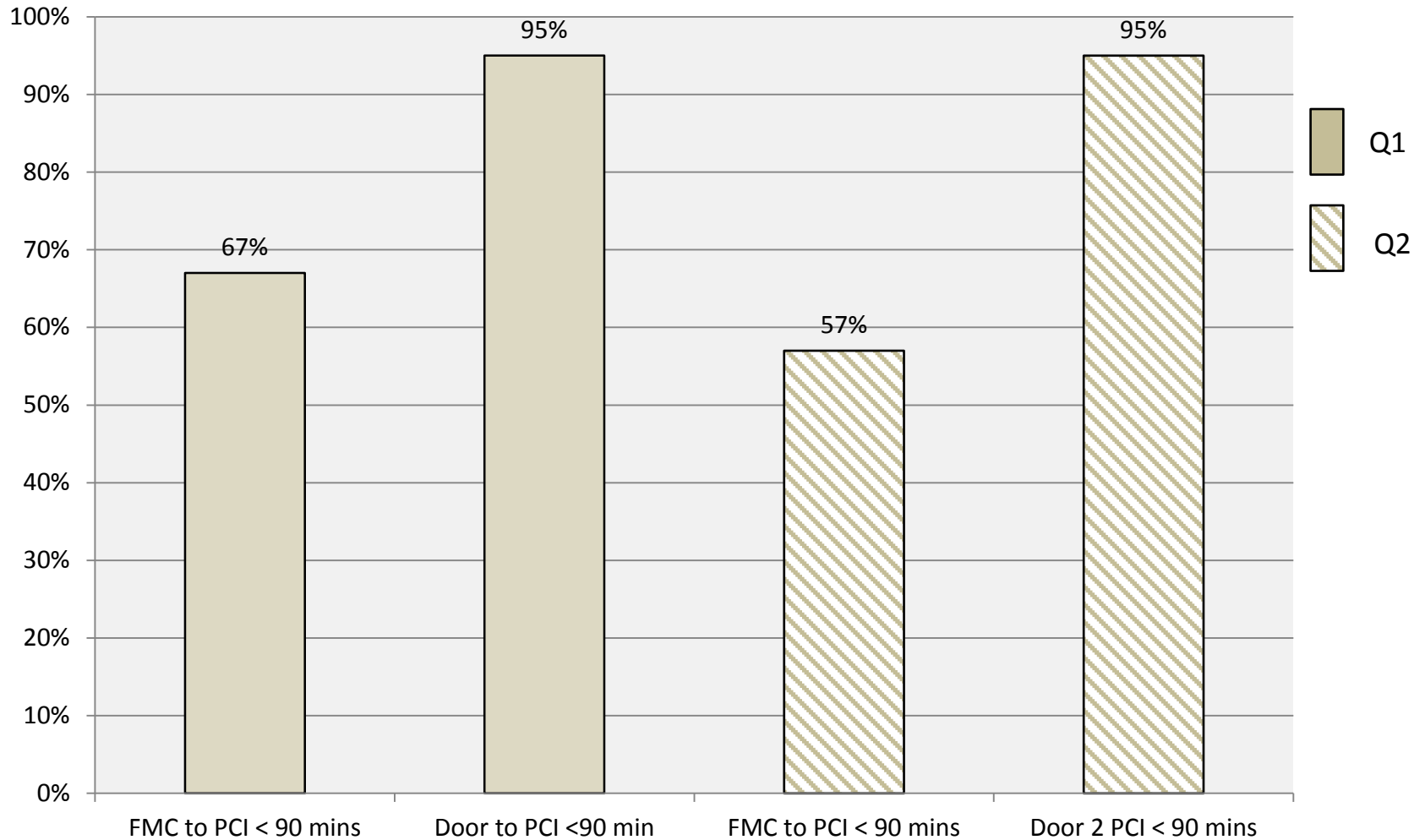


Contra Costa STEMI Time Intervals

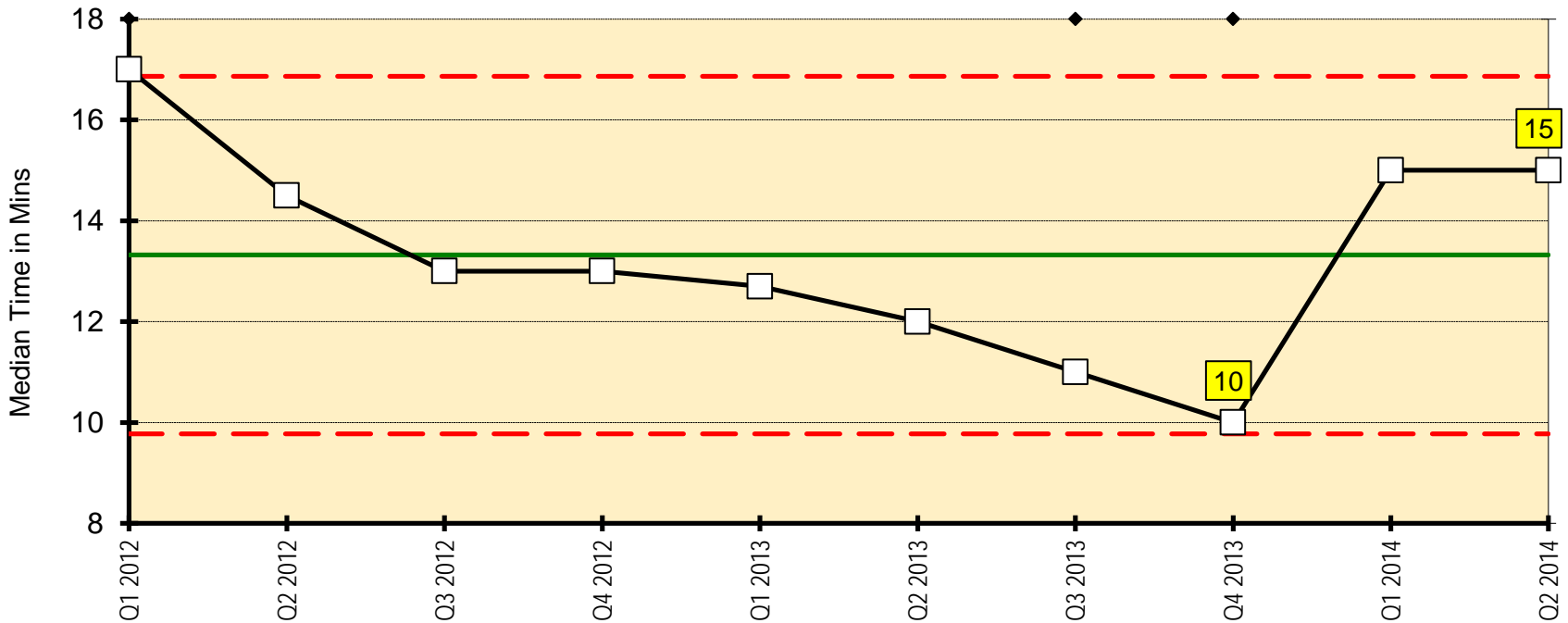
Q1 & Q2 2014



STEMI System Time Benchmarks Q1 & Q2 2014



STEMI Median Prehospital Scene Time Interval By Quarter 2012-Q2 2014 Control Chart Analysis



Special Cause Detected

Avg of Data Shown 13.32
Median Data Shown 13
Sigma for Limits 1.182
Base for Limits Average MR

Chart Type: Chart for Individuals
Centerline: 13.32 **Process Limits:** Lower: 9.774 Upper: 16.87 **Database Column** 1

- | | |
|-----------------------------|-----------------------------|
| A. 1 Beyond Control Limit | E. 2 of 3 Beyond 2 Sigma |
| B. 9 On One Side of Average | F. 4 of 5 Beyond 1 Sigma |
| C. 6 Trending Up or Down | G. 15 Within 1 Sigma |
| D. 14 Alternating Up & Down | H. 8 Outside 1 Sigma |
| | X. Excluded or Missing Data |

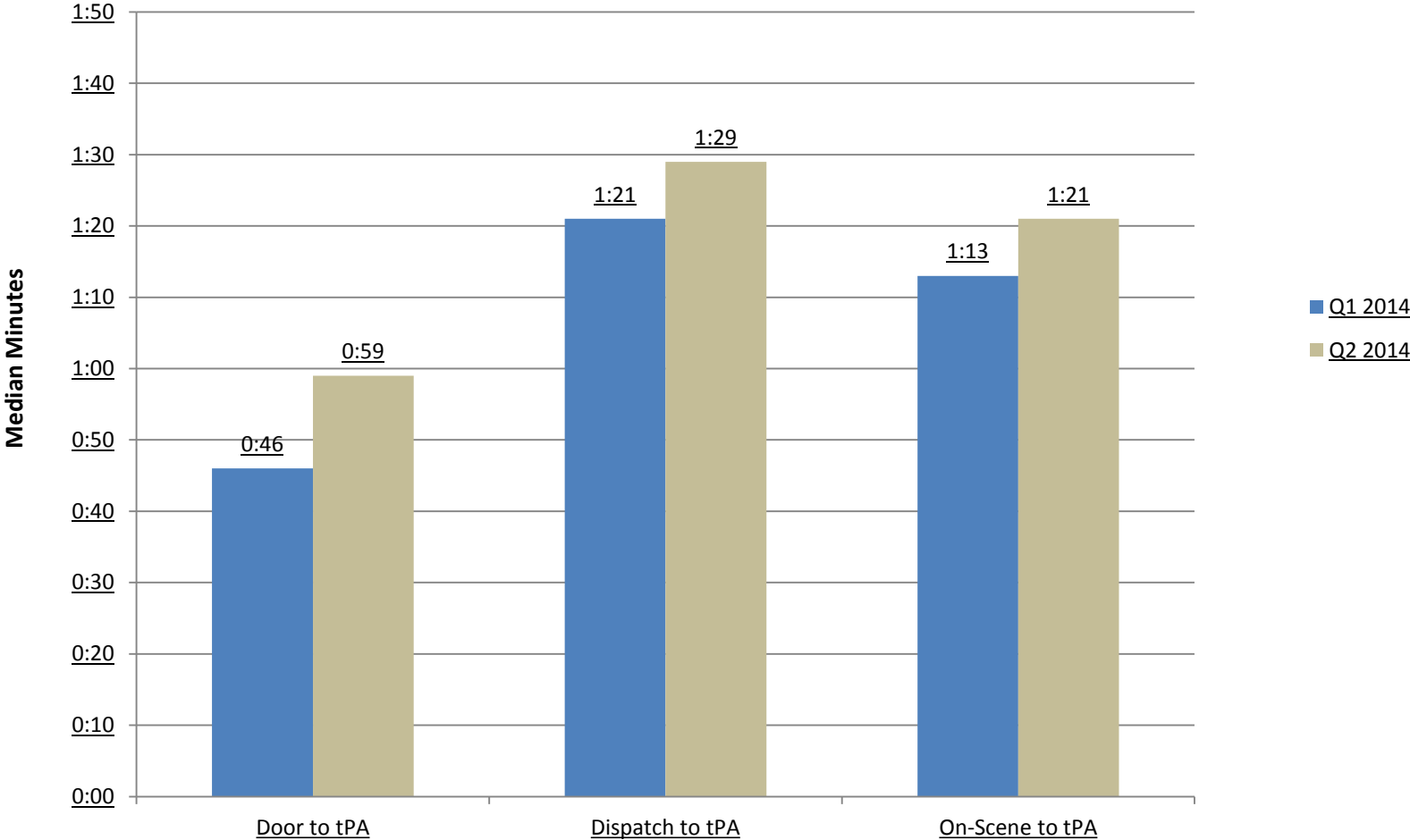
Stroke System

Q1 & Q2 2014

Q1 & Q2 2014 tPA System Metrics

All Primary Stroke Receiving Centers

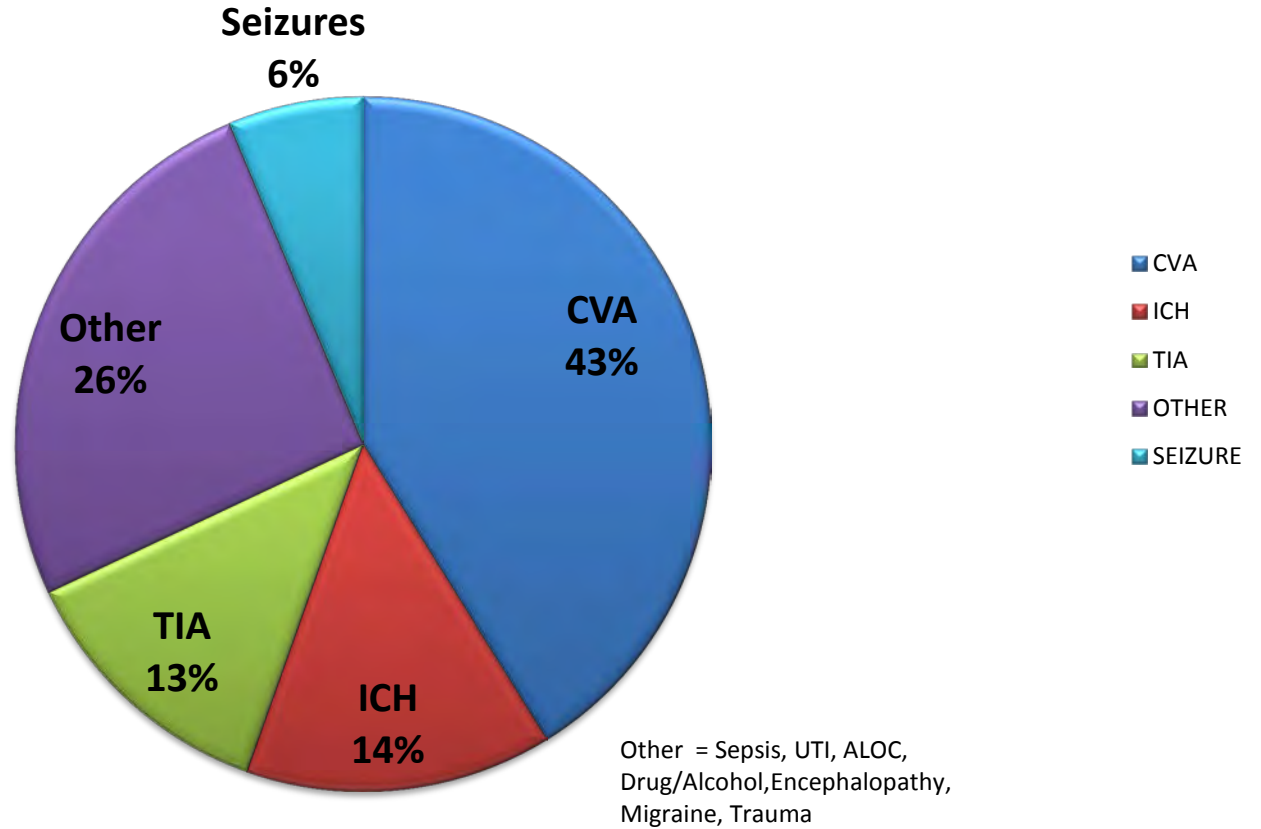
N = 68



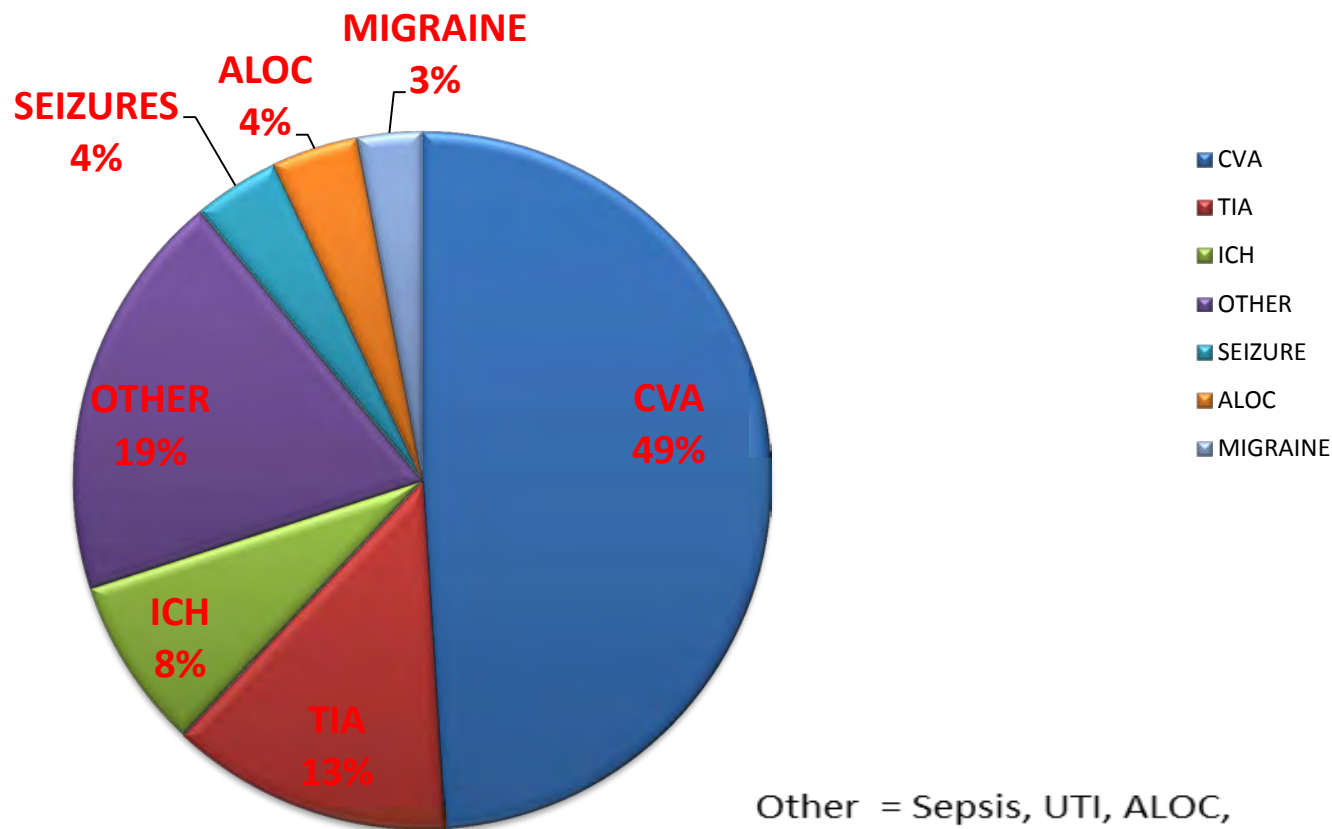
Final Disposition of Stroke Alert Patients

Q1 2014

N = 175



Final Disposition of Stroke Alert Patients
Q2 2014
N = 175



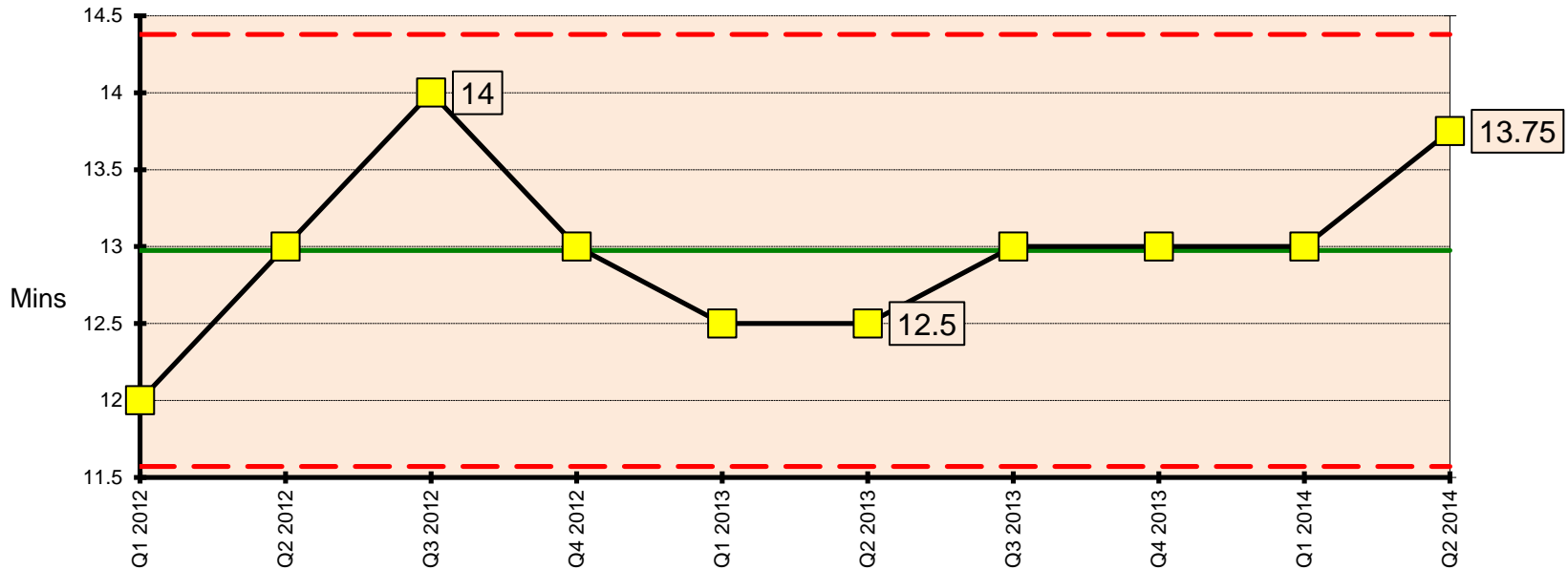
Source: Zoll, Meds, PSCs

STROKE ALERT

Median Prehospital Scene Time Interval By Quarter 2012–Q2 2014

Control Chart Analysis

N= Q1: 473 Q2: 474



Benchmark < 15 mins

No Special Cause Detected

Chart Type: Chart for Individuals

Database Column

Centerline: 12.98 Process Limits: Lower: 11.57 Upper: 14.38

1

Avg of Data Shown 12.975
Median Data Shown 13
Sigma for Limits 0.4679
Base for Limits Average MR

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

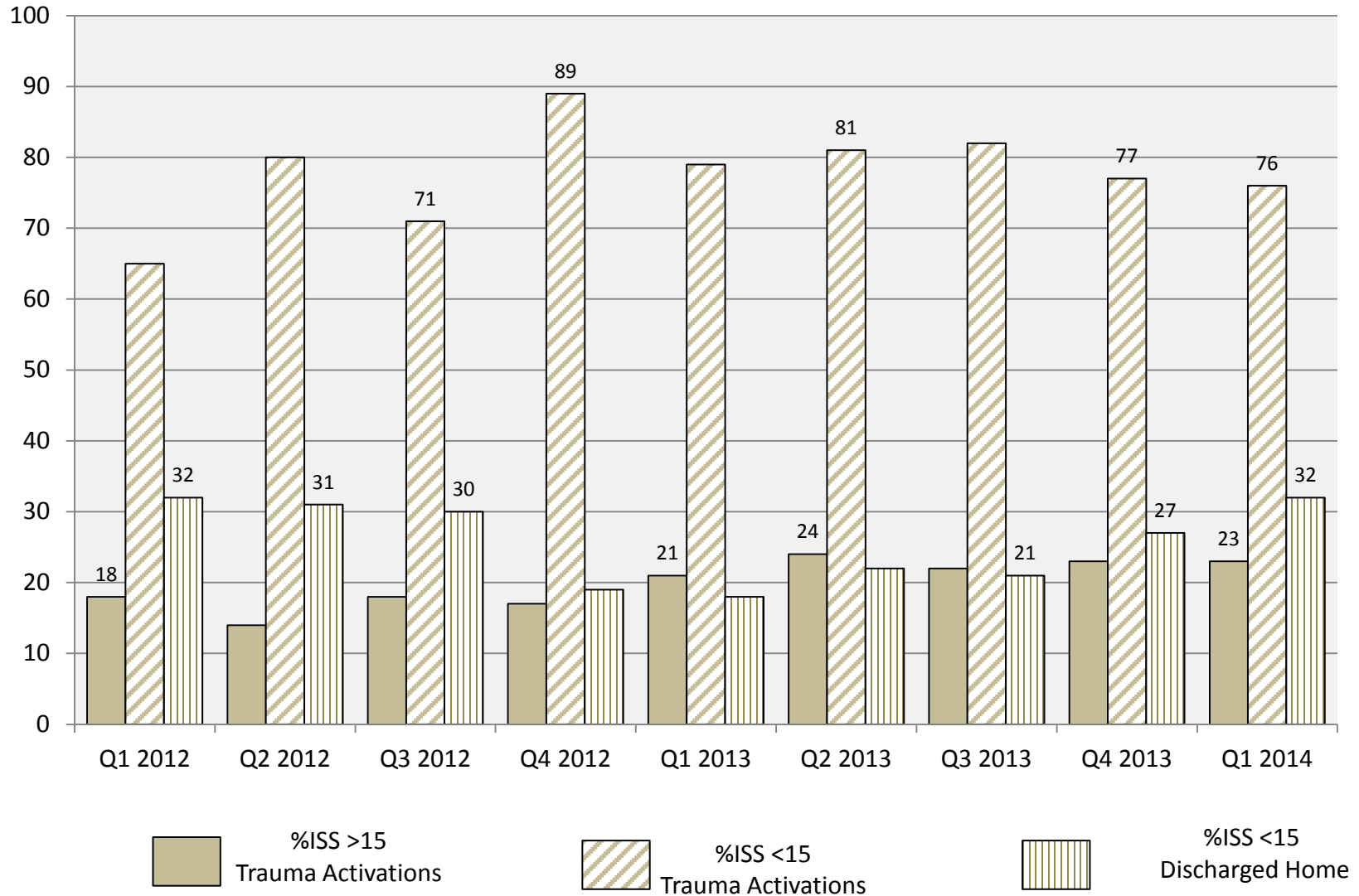
E. 2 of 3 Beyond 2 Sigma
 F. 4 of 5 Beyond 1 Sigma
 G. 15 Within 1 Sigma
 H. 8 Outside 1 Sigma
 X. Excluded or Missing Data

Trauma System

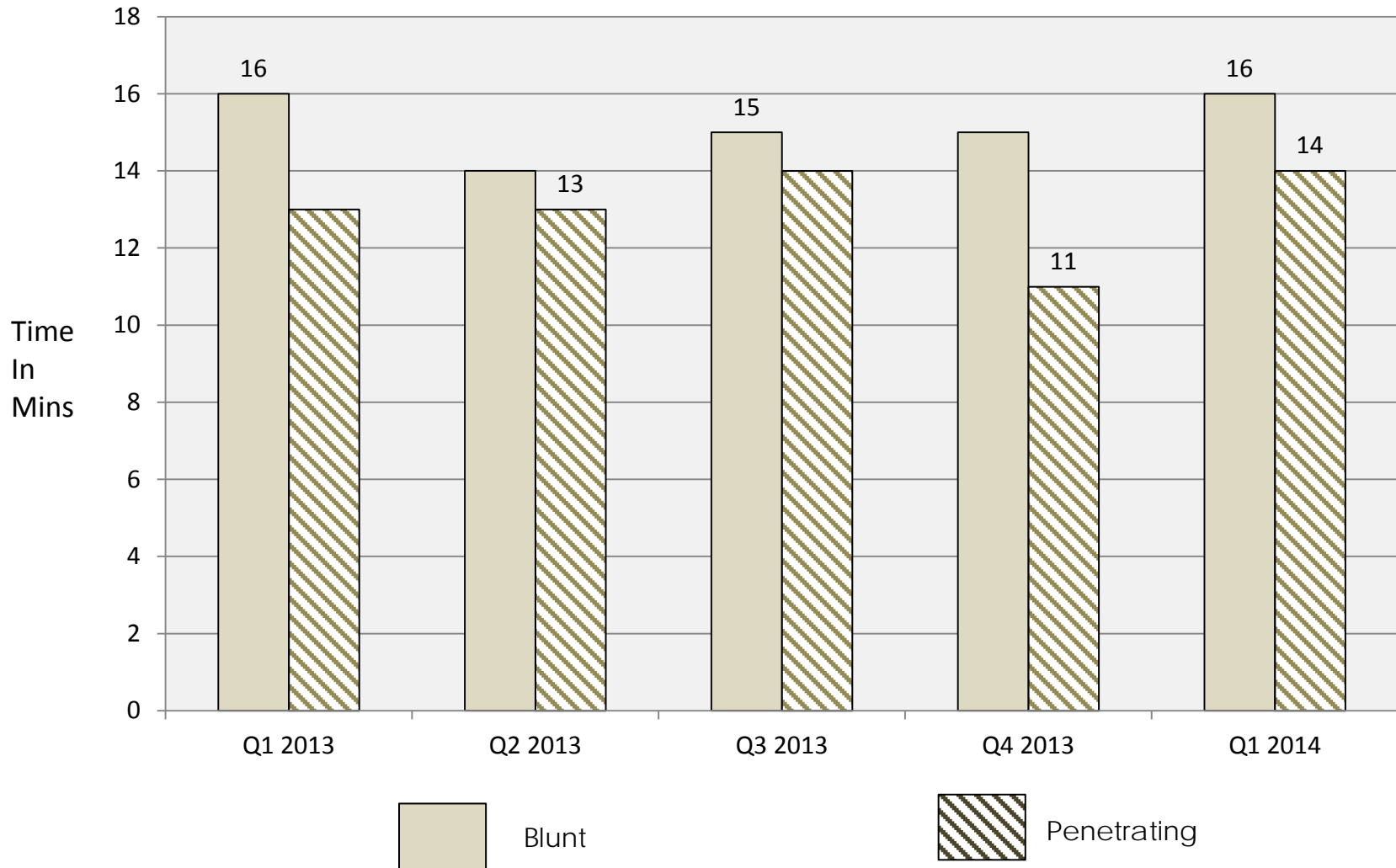
Q1 & Q2 2014

Source: Contra Costa Trauma registry

Trauma Activations & Discharge Through Q1 2014



Median Prehospital On Scene Time Interval Blunt vs. Penetrating Trauma through Q1 2014

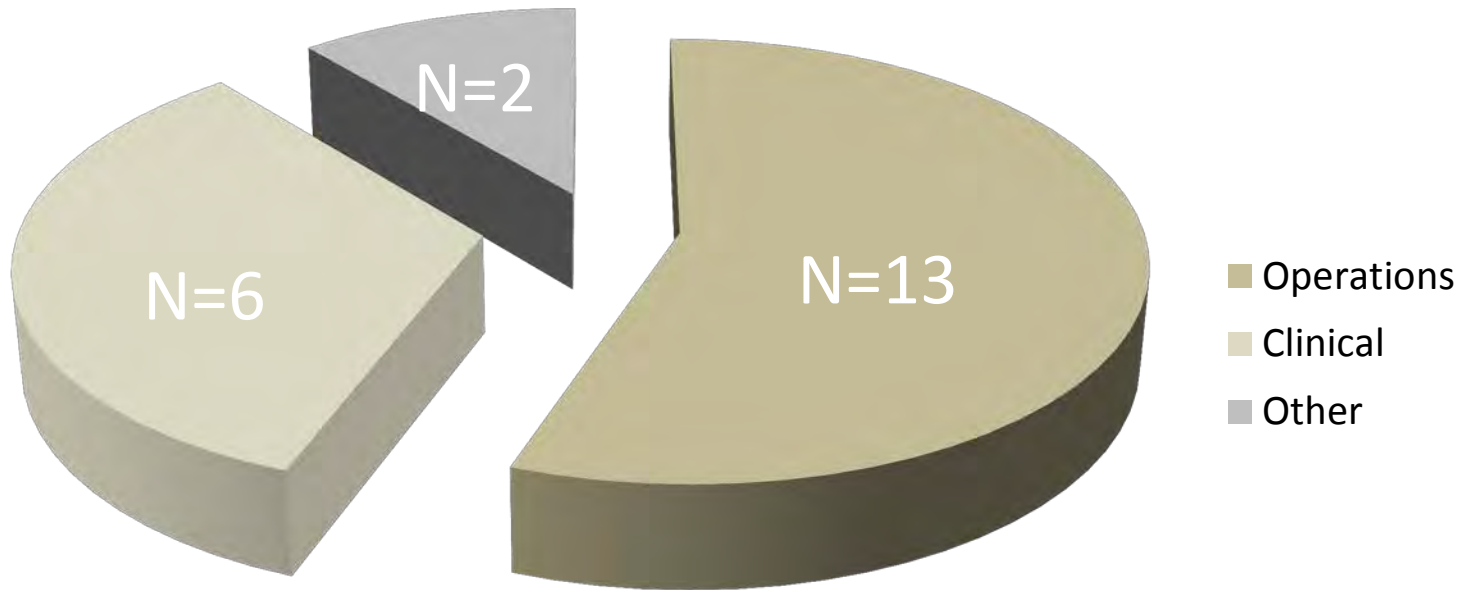


Patient Safety

Q1 & Q2 2014

Contra Costa EMS Patient Safety Events
by Frequency and Type
Jan-Jun 2014

N=21

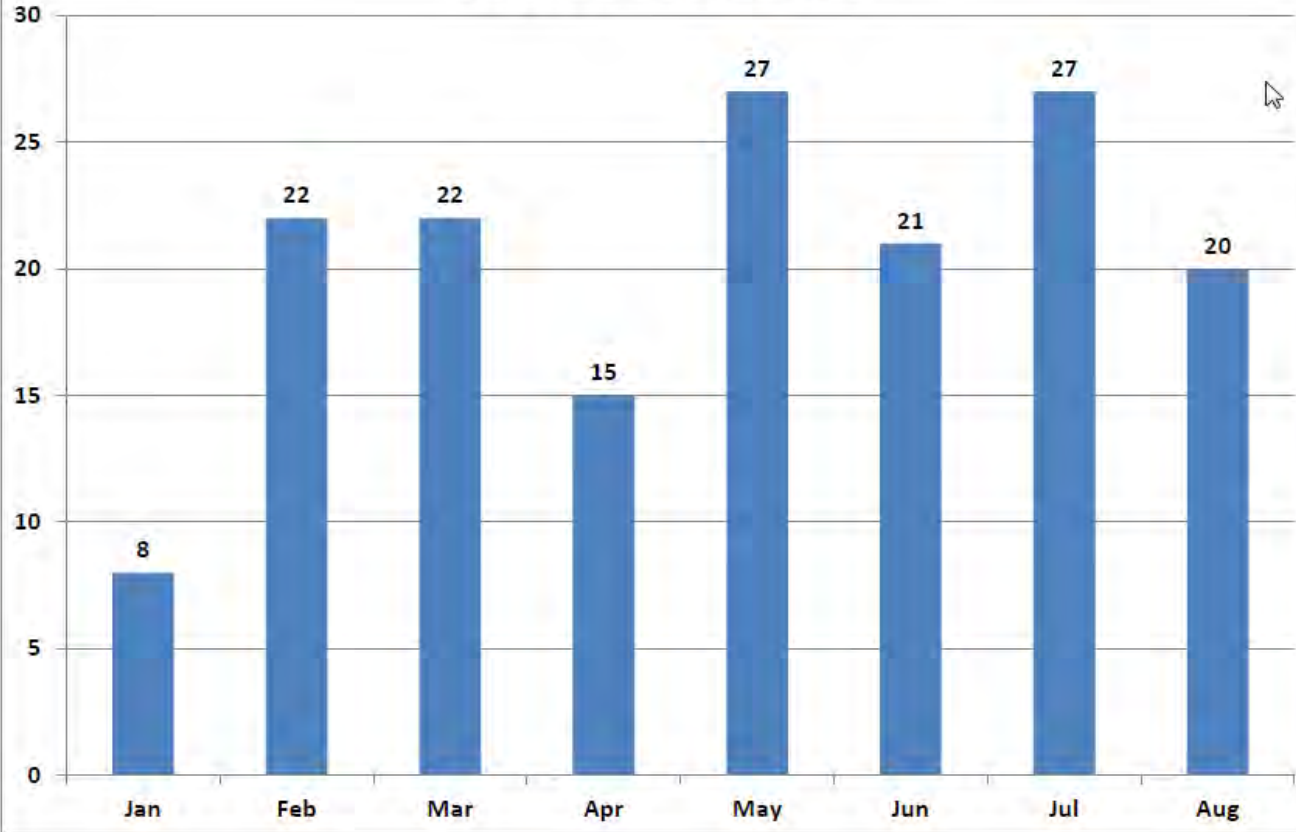


Q1/Q2 2014 High Risk Incidents N = 21

Adhoc Studies
Q1 & Q2 2014

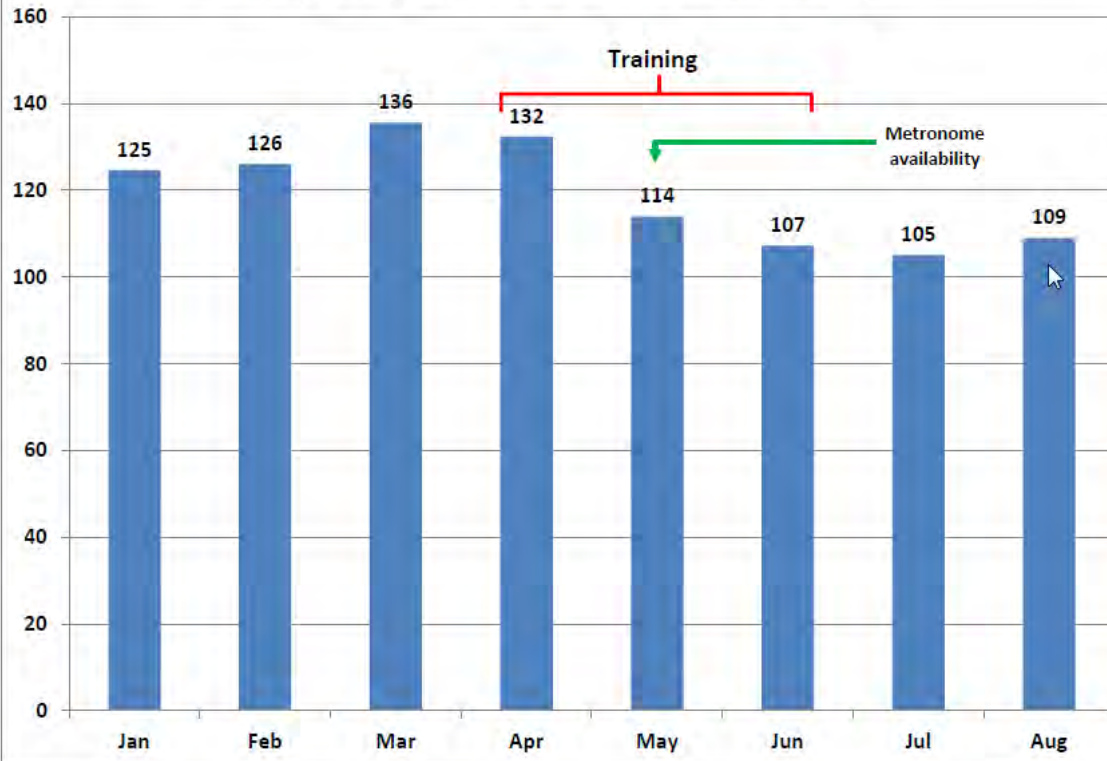
*High Performance Cardiac Arrest & CPR
Quality Initiative*

Total Calls Annotated - 2014



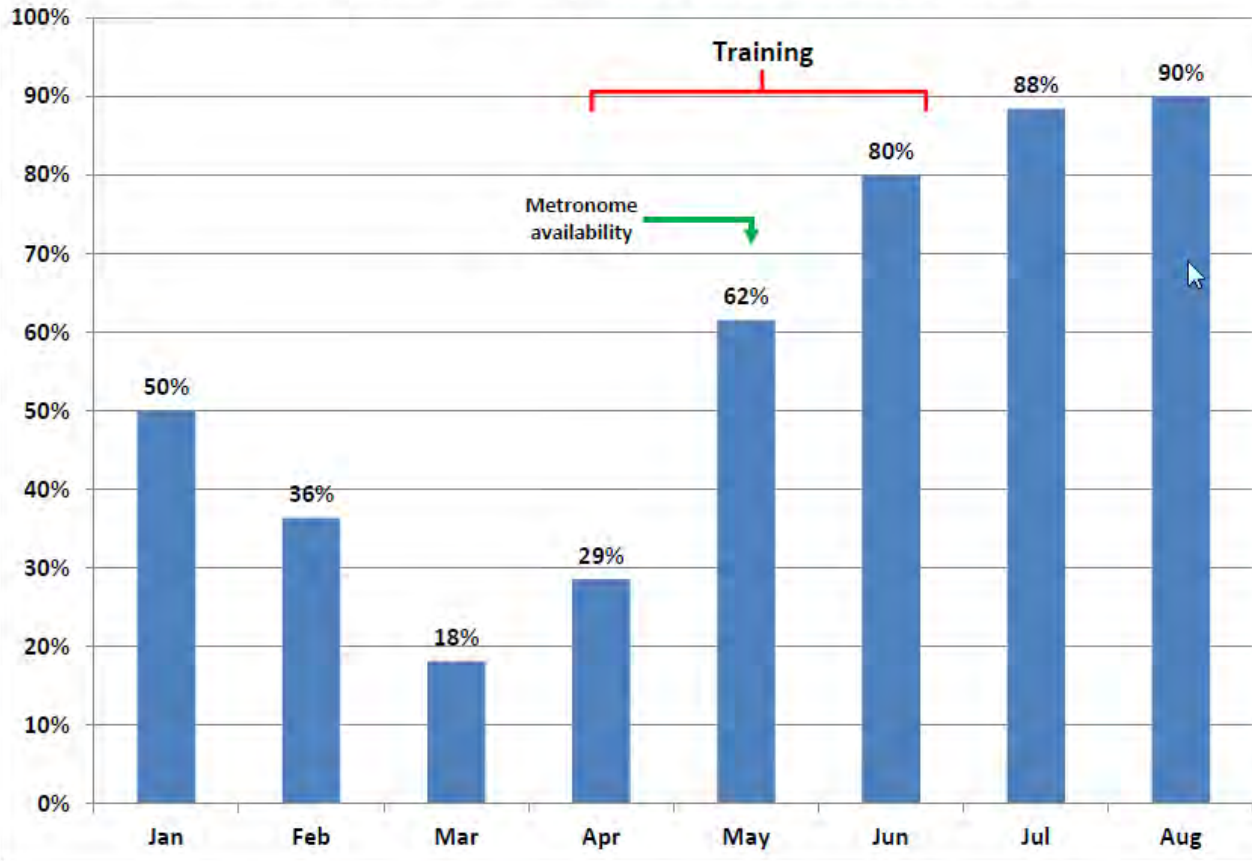
Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Average Compression Rate - CPR 10 Minutes or Longer

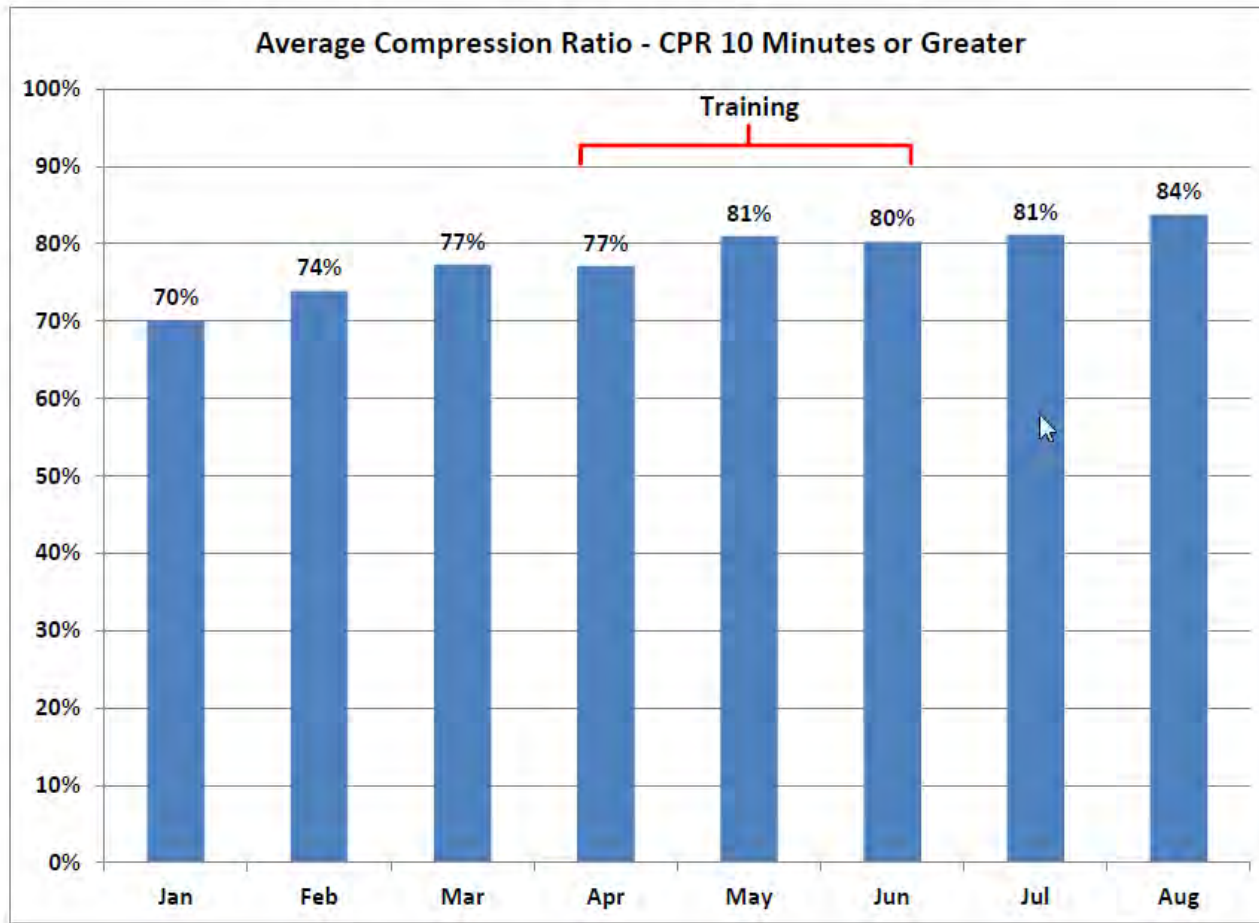


Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Percent of Cases with Compression Rate Between 100 and 120

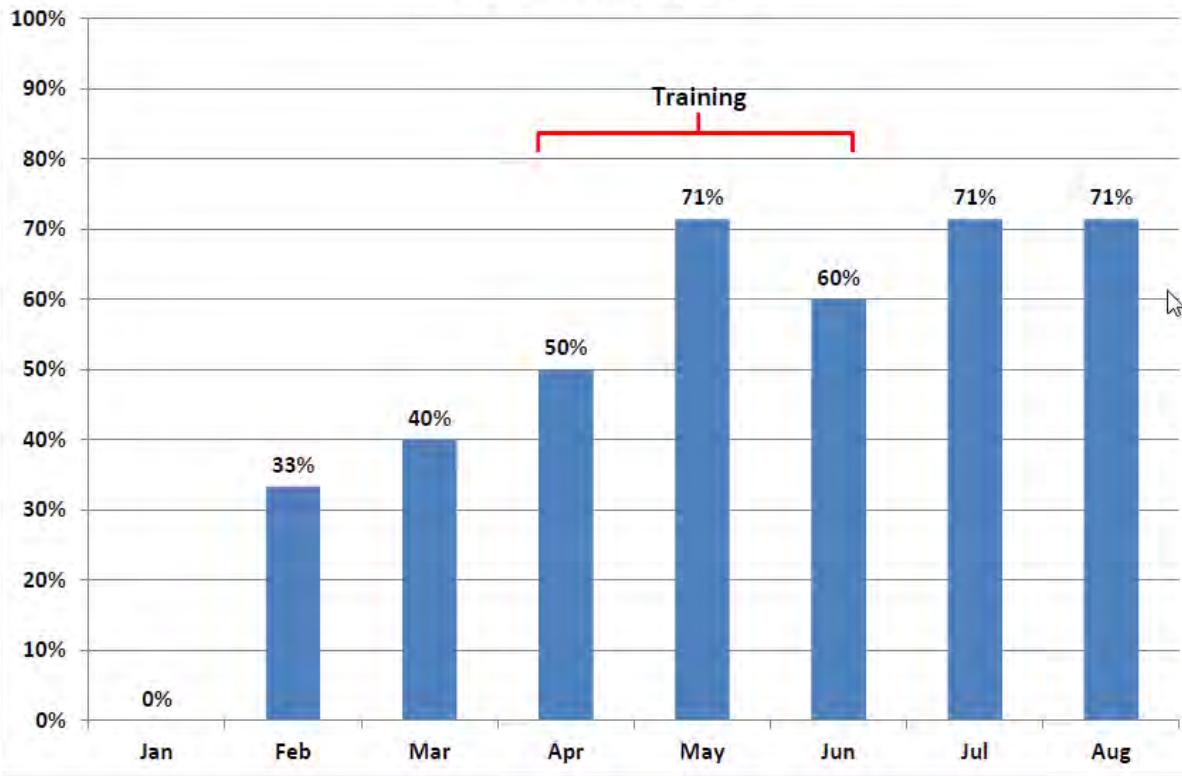


Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS



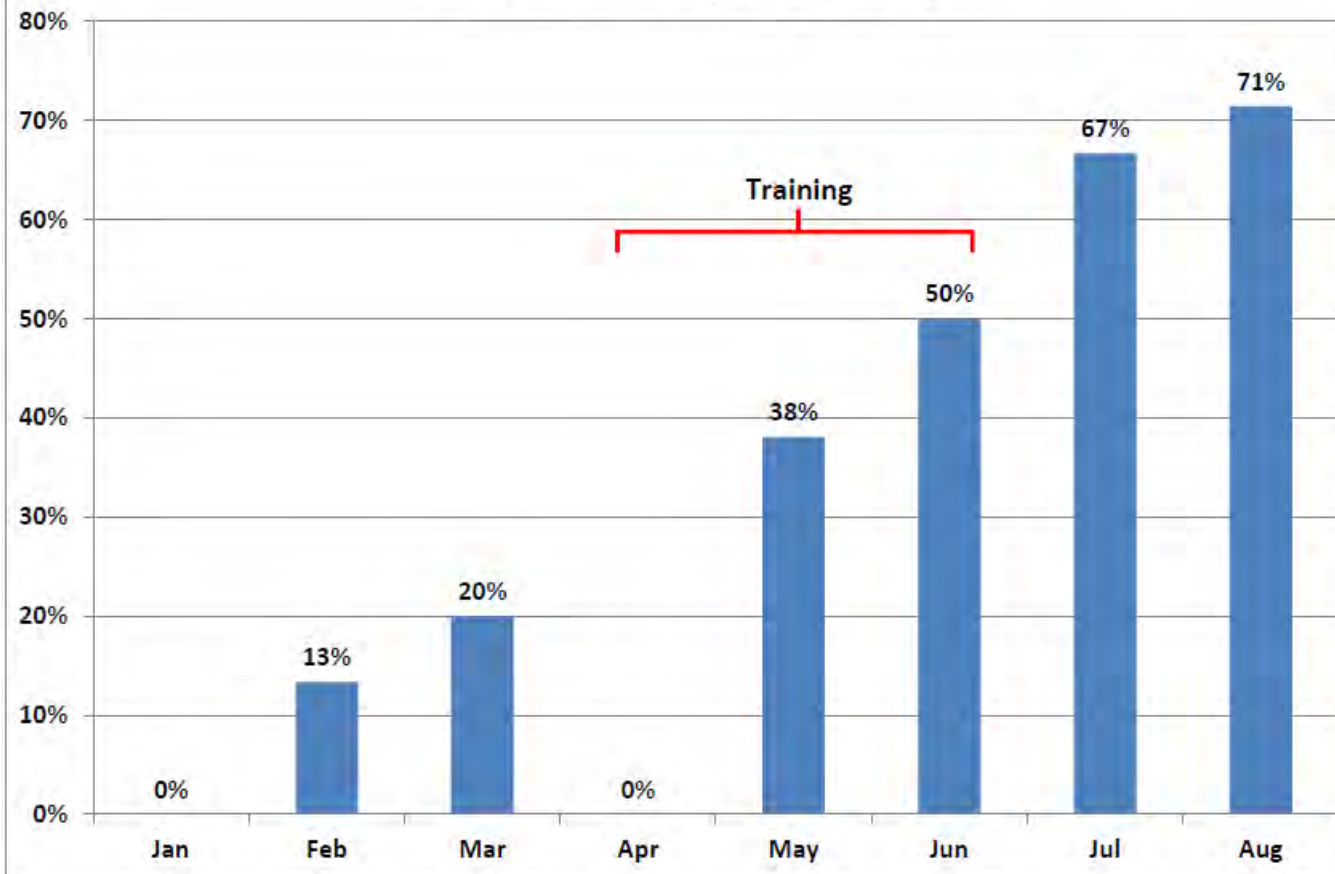
Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Percentage of Cases with Compression Ratio 80% or Greater
CPR 10 Minutes or Longer



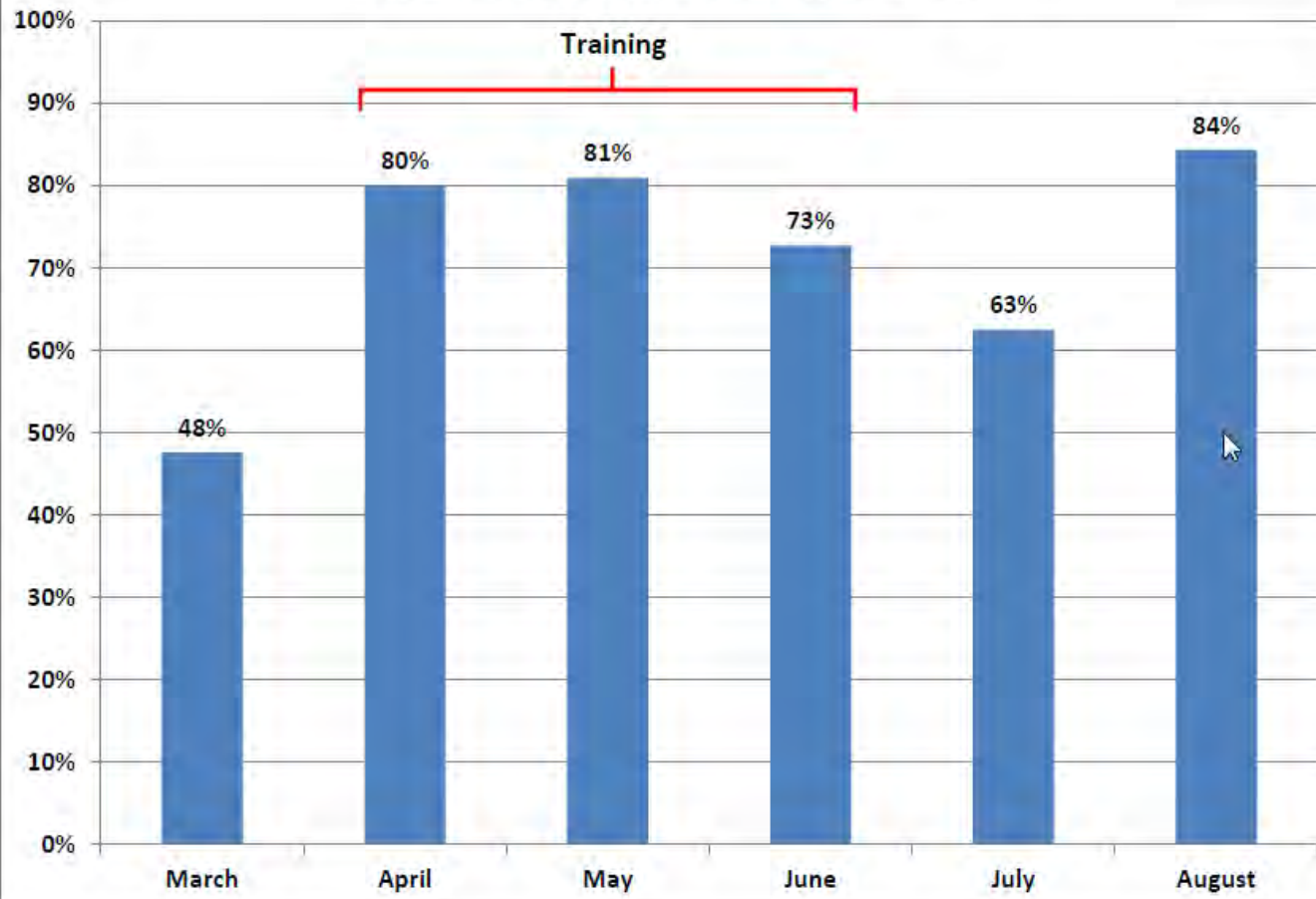
Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Percent of Cases with Compliance to Both Compression Rate (100-120) and Compression Ratio (80% or Greater)

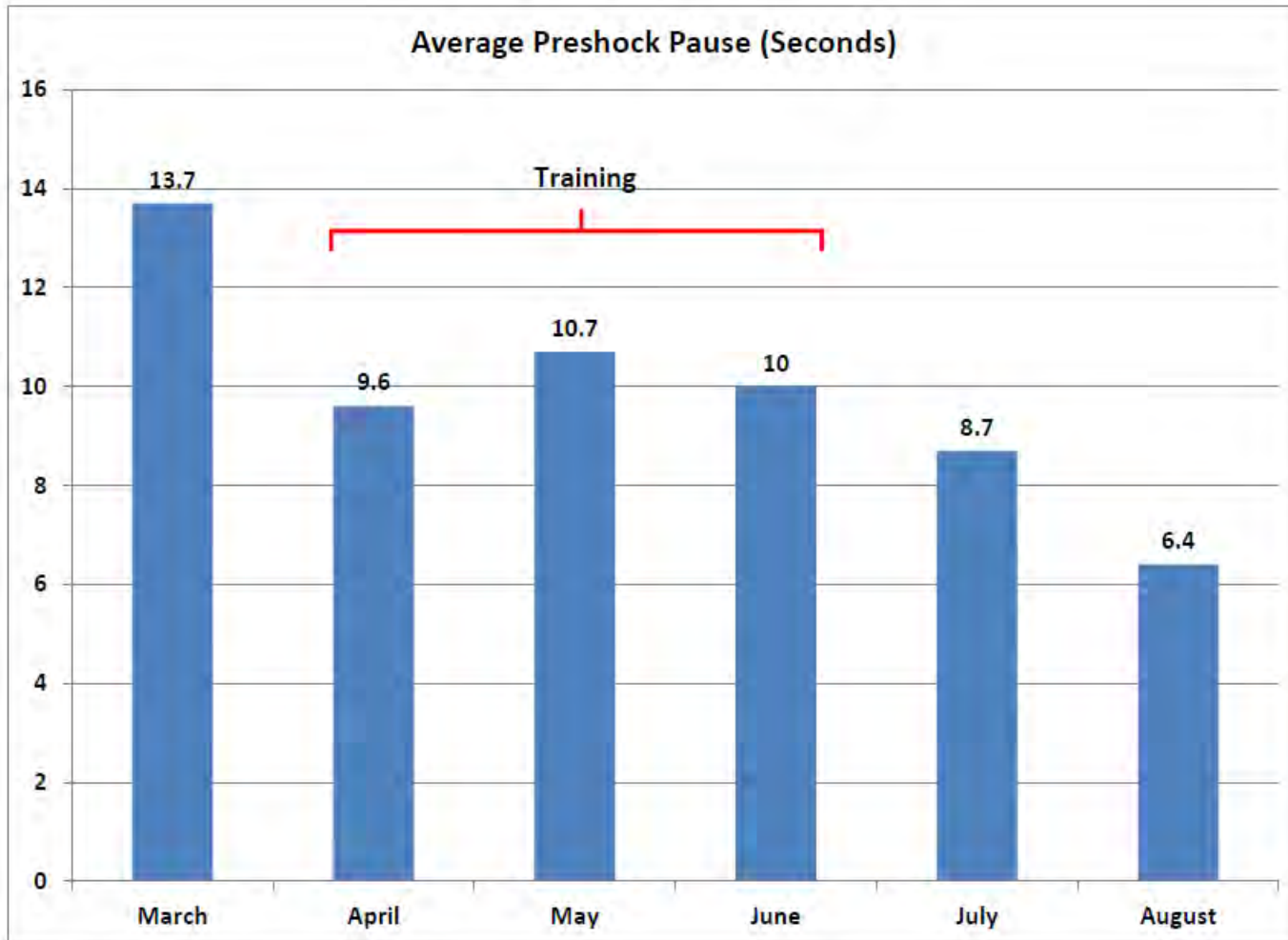


Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Percent of Preshock Pauses 10 seconds or Less

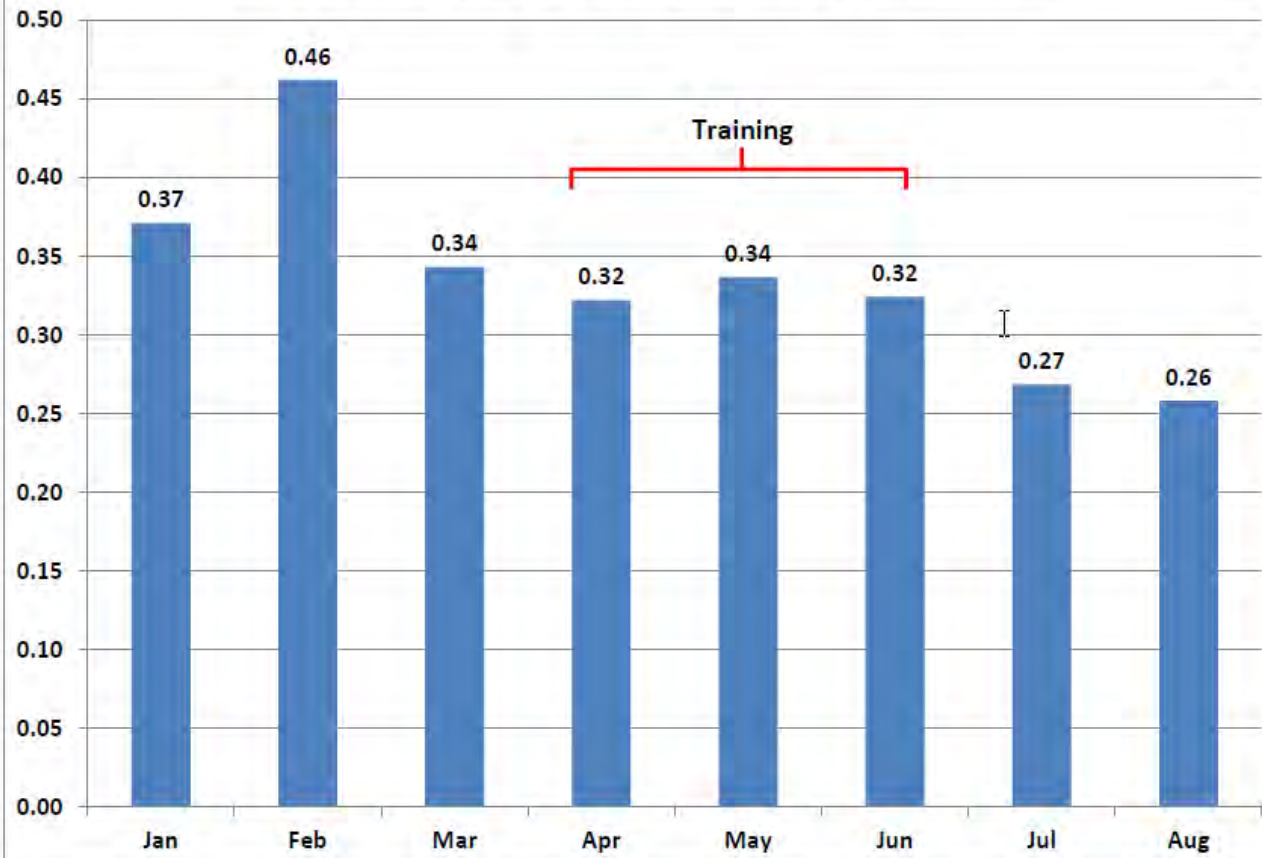


Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

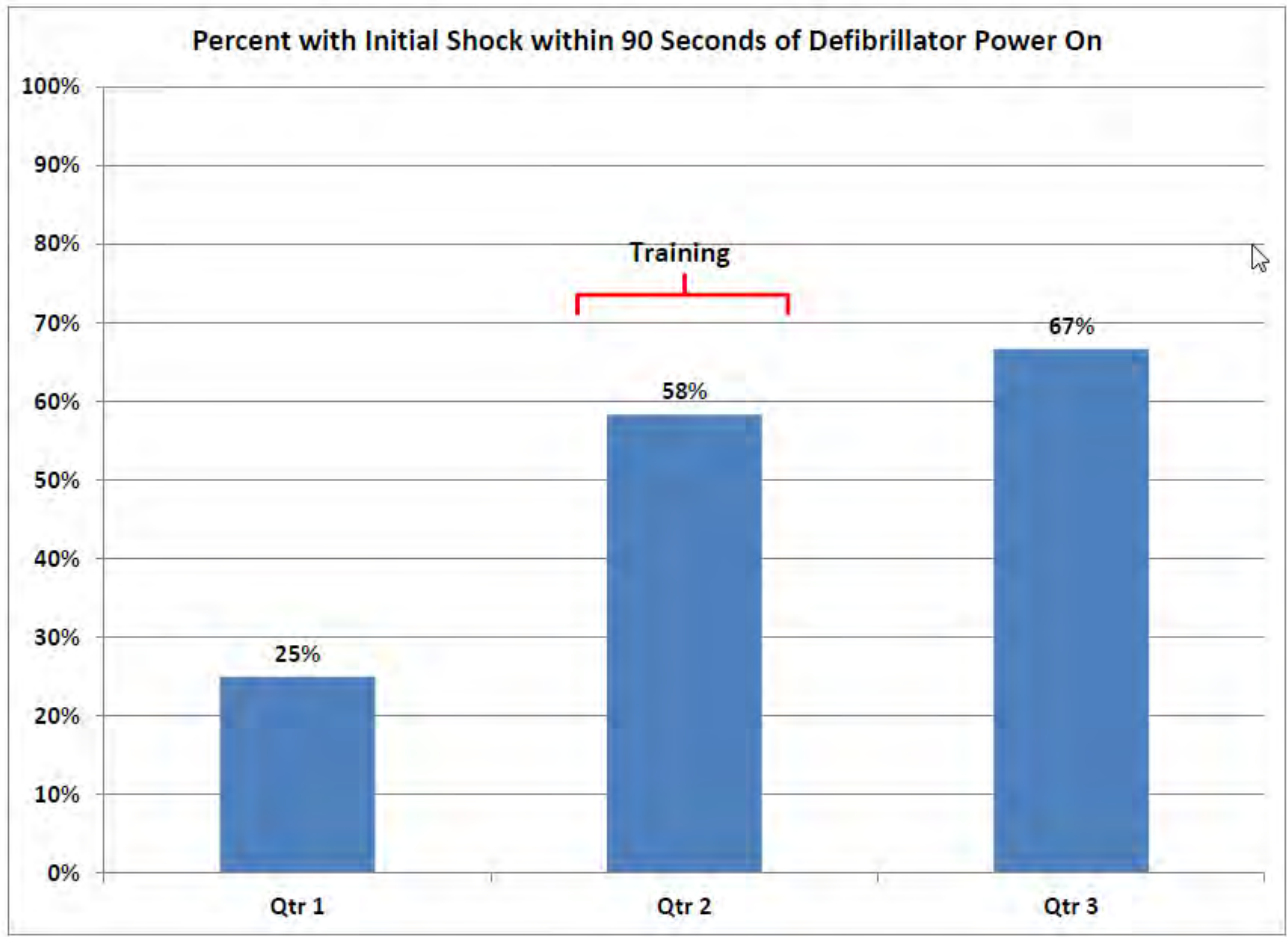


Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

Ratio of Pauses over 10 Seconds per Minute of Resuscitation



Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS



Source: CodeStat 9.0 annotated cases - 2014 - Contra Costa EMS

END REPORT

Q1 & Q2 2014