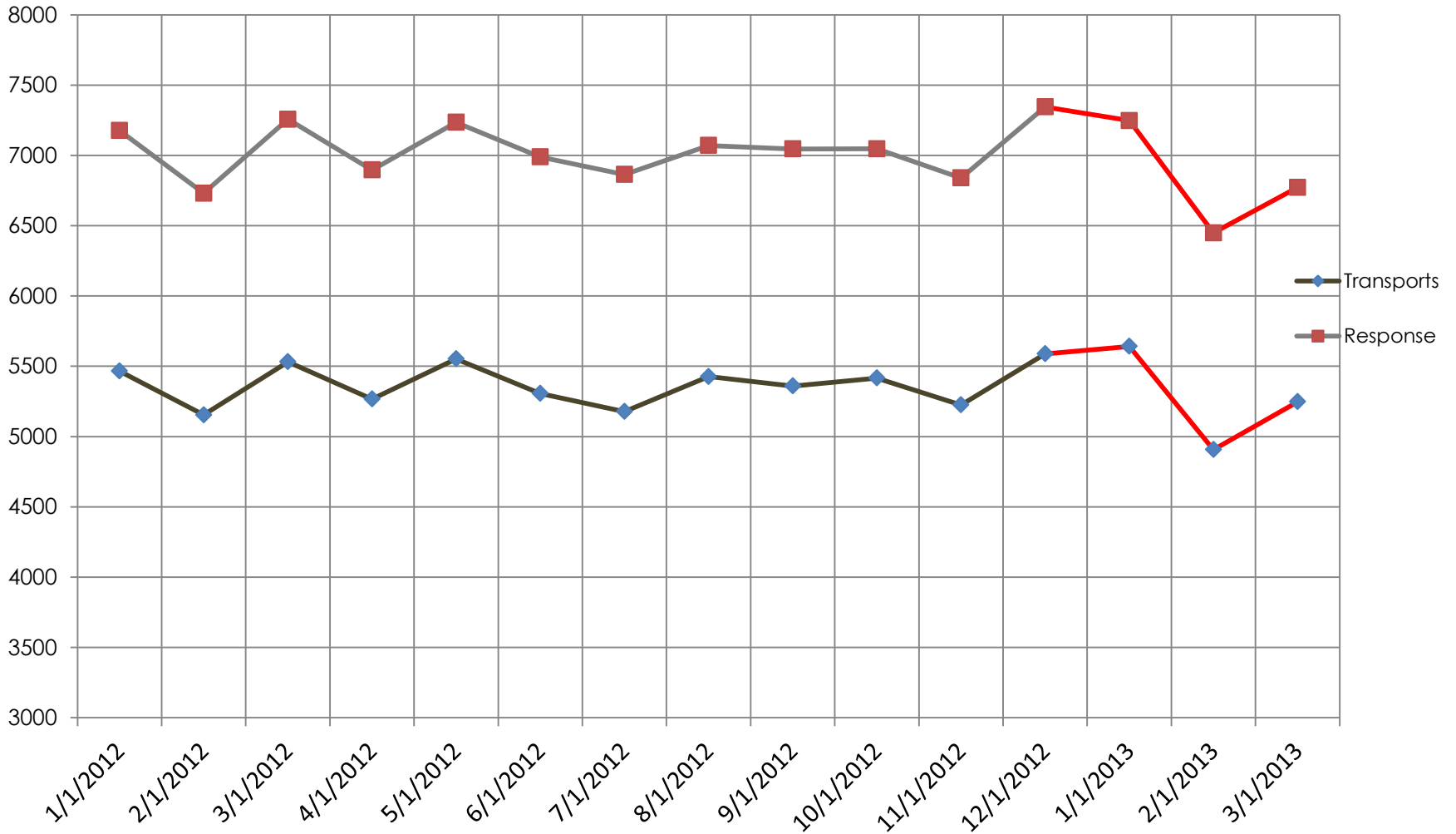


*Contra Costa EMS Agency
Core Quality Indicators
Q1 2013 Report*

*System Utilization
Q1 2013 Report*

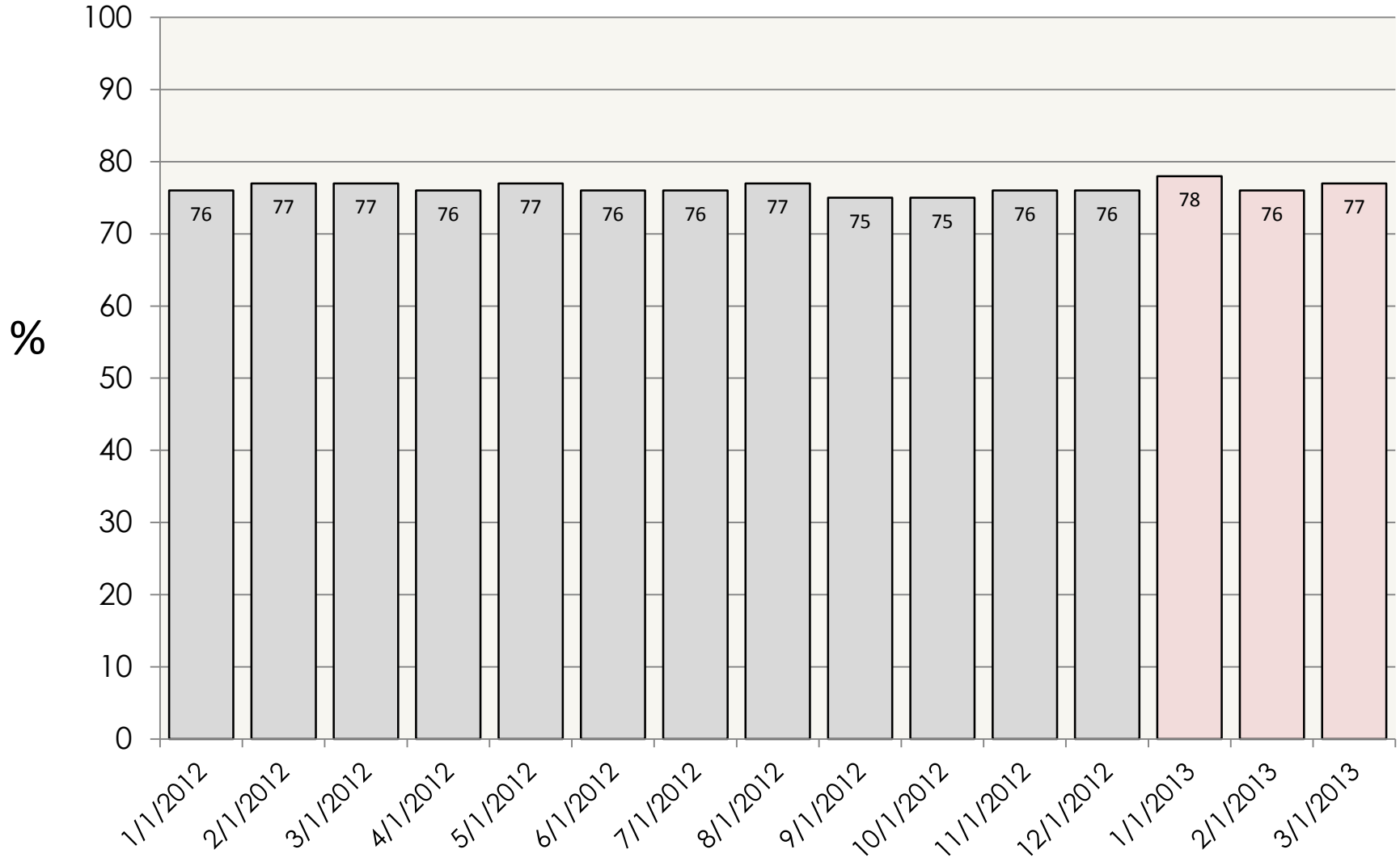
Contra Costa County Ambulance Response and Transport By Month Through Q1 2013

(Data excludes SRVFD)



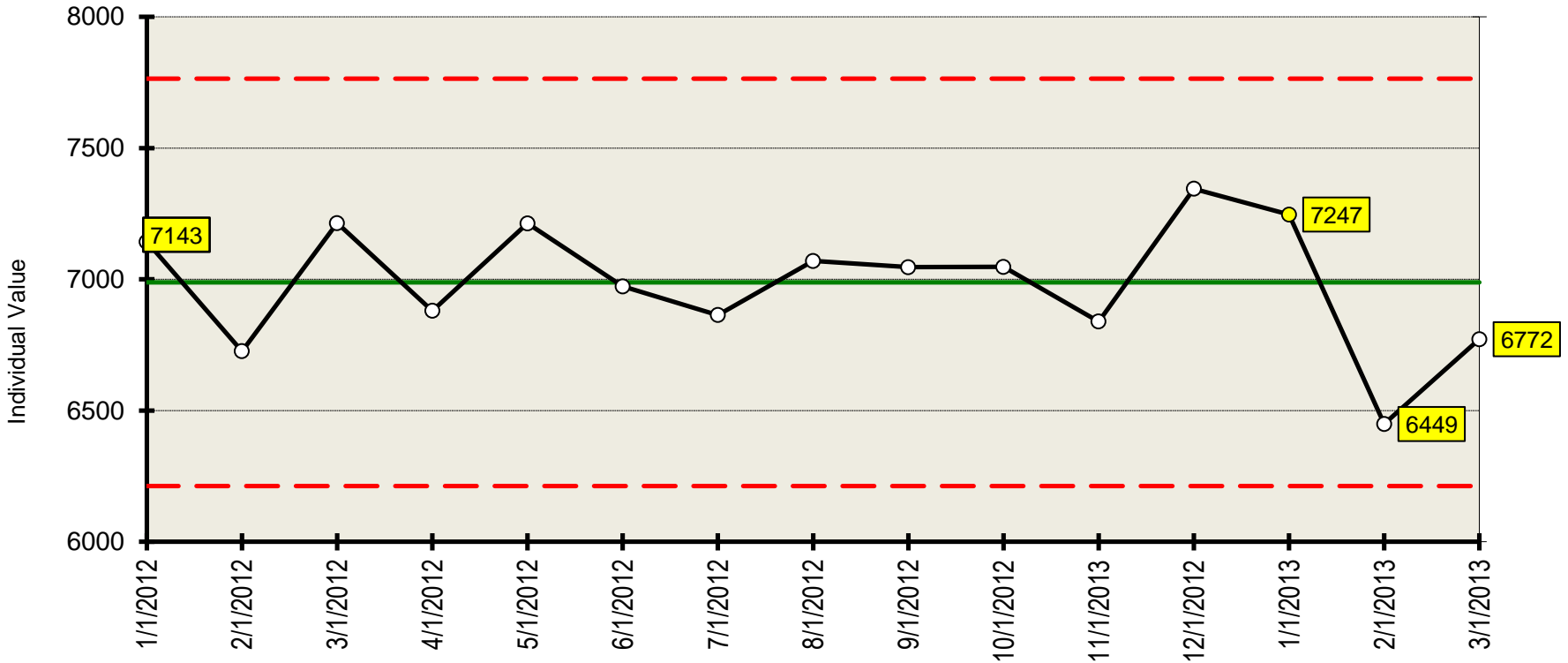
Contra Costa County 911 Ambulance % Transport per Response by Month Through Q1 2013

Median=76.3%
(Data excludes SRVFD)



Contra Costa County Ambulance Responses by Month through Q1 2013

(excludes data from SRVFD)



No Special Cause Detected

Avg of Data Shown 6988.533
Median Data Shown 7046
Sigma for Limits 258.7
Base for Limits Average MR

Chart Type: Chart for Individuals

Centerline: 6,989 Process Limits: Lower: 6,213 Upper: 7,765

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

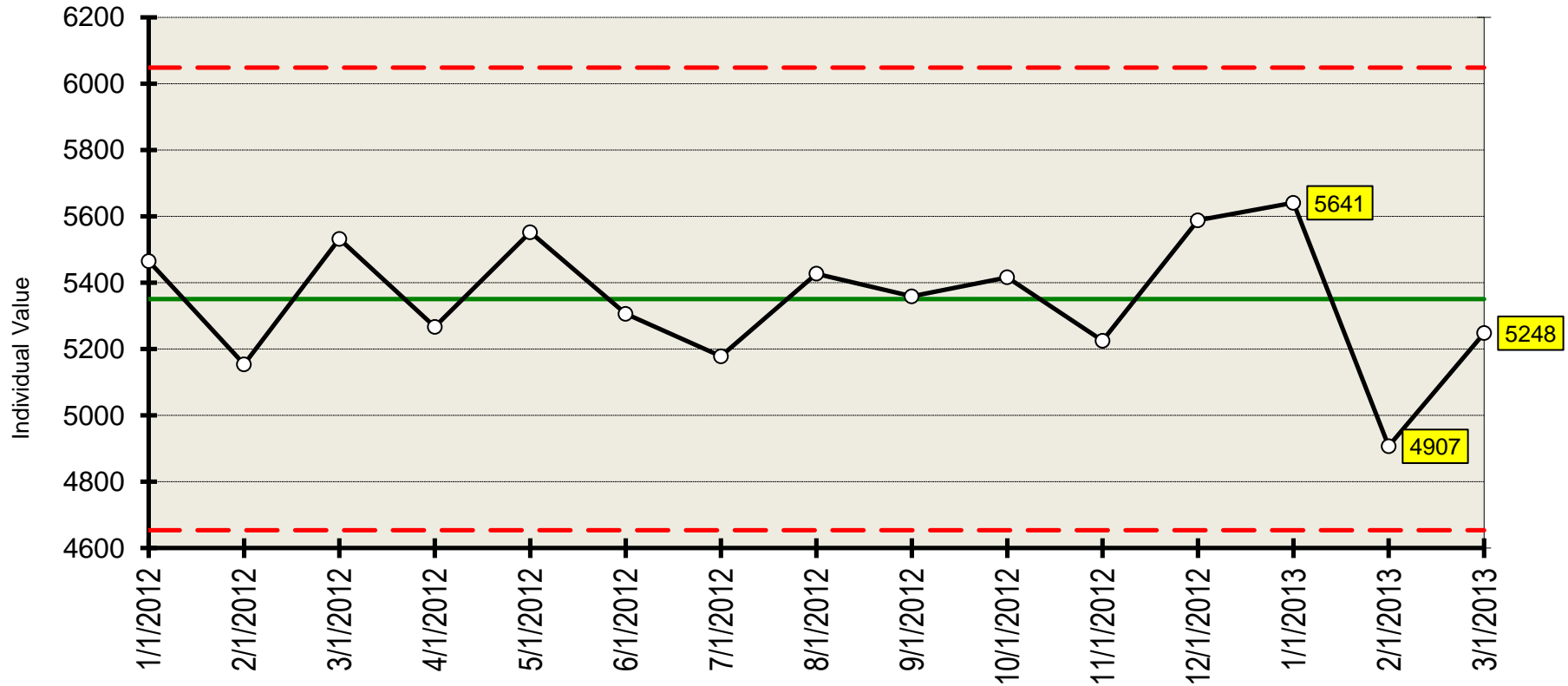
Database Column

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

Contra Costa County Ambulance Transports by Month through Q1 2013

(excludes data from SRVFD)



No Special Cause Detected

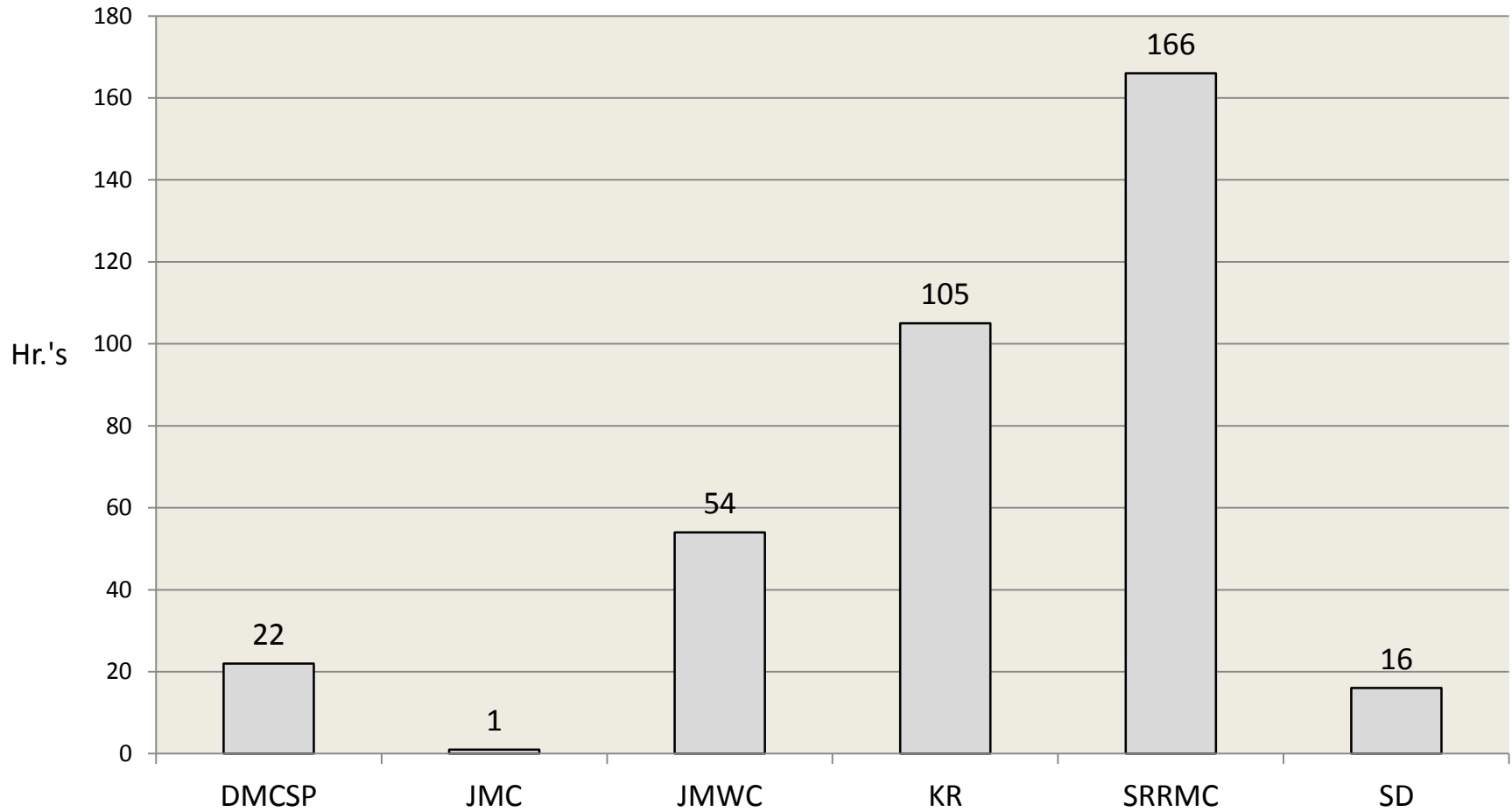
Avg of Data Shown 5351
Median Data Shown 5359
Sigma for Limits 232.3
Base for Limits Average MR

Chart Type: Chart for Individuals
Centerline: 5,351 **Process Limits:** Lower: 4,654 Upper: 6,048

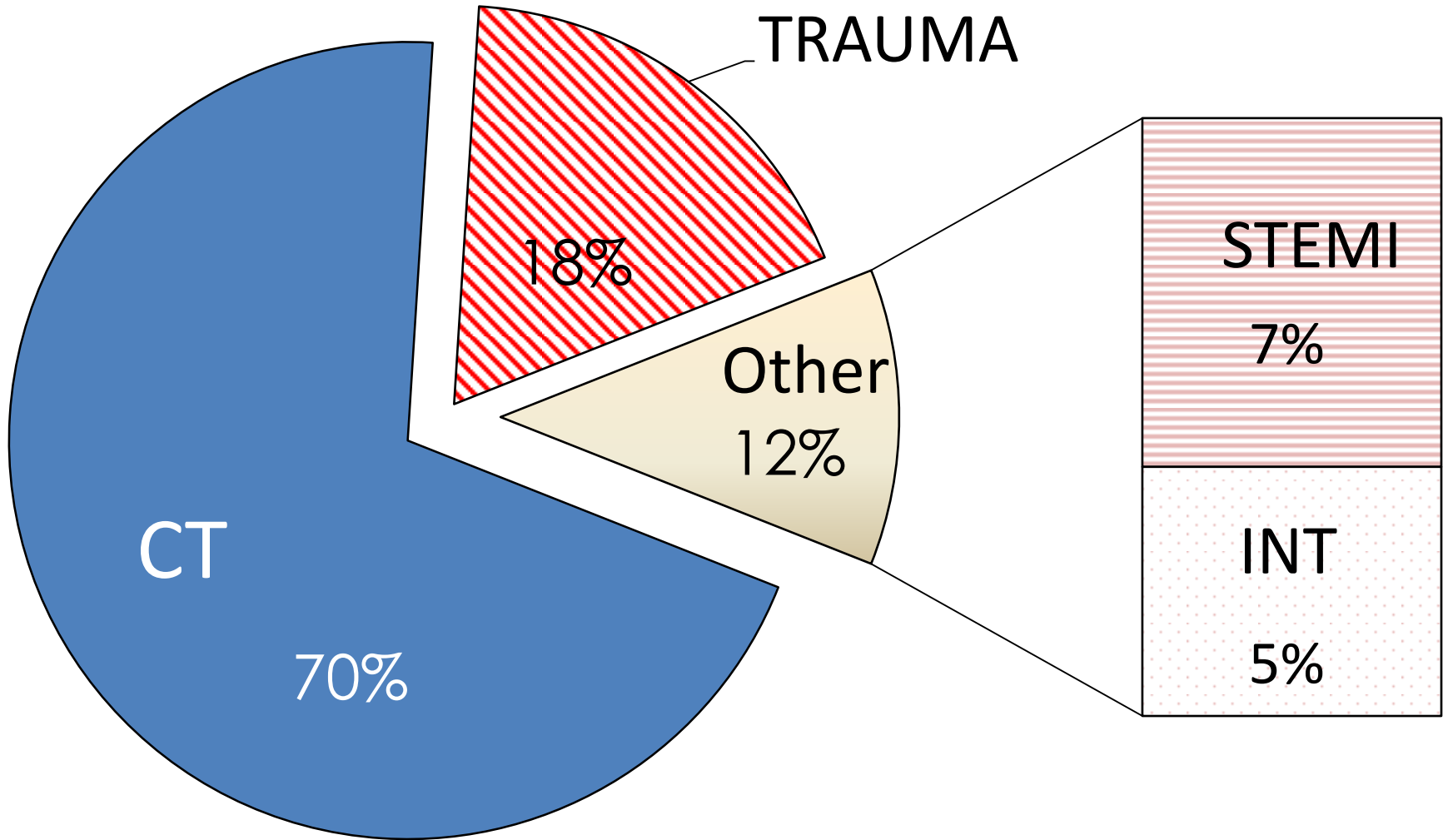
Database Column
1

- 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

Contra Costa Hospitals
EMS Diversion by Cumulative Hours
Q1 2013
N=364 hr.'s



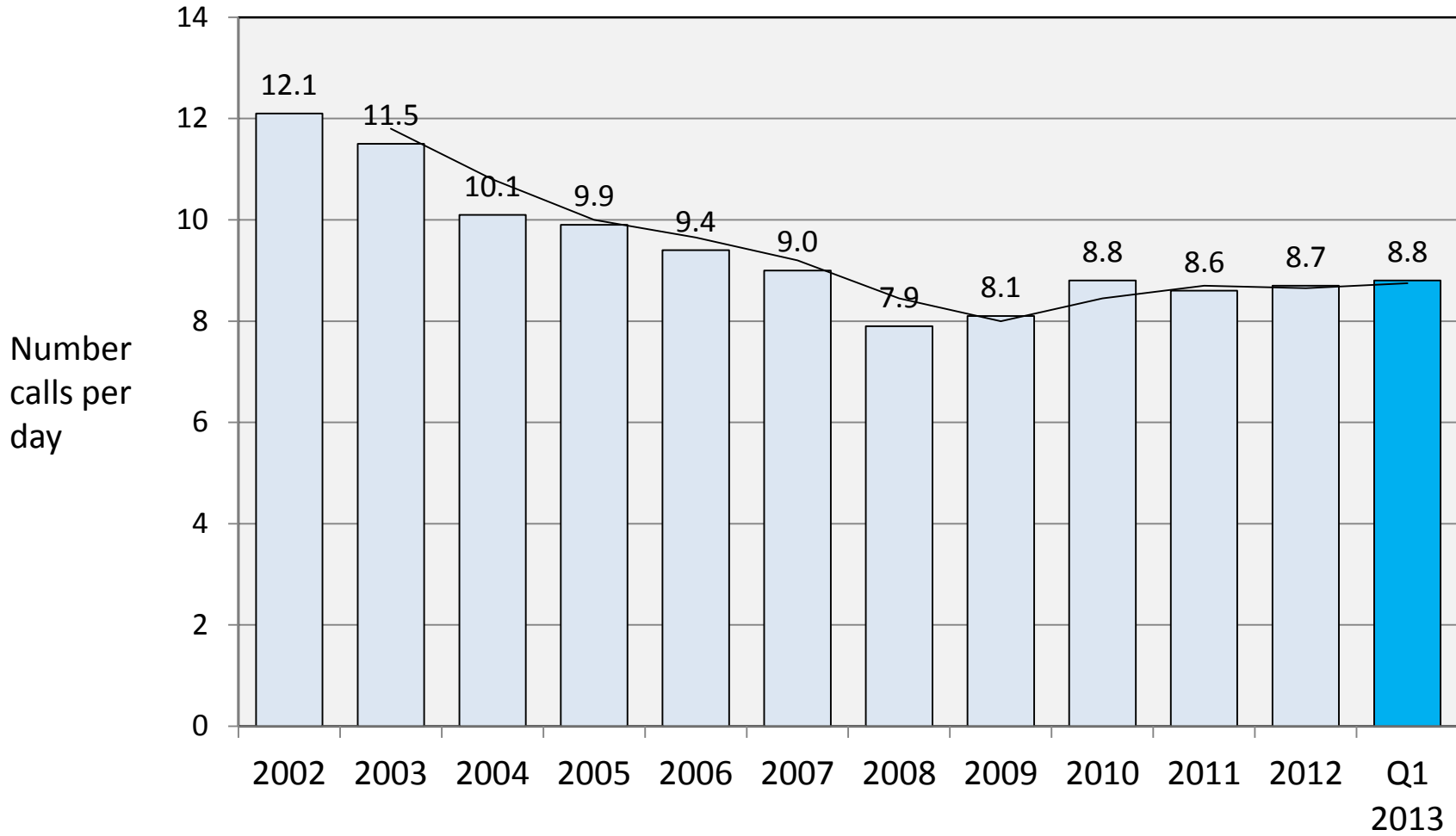
Contra Costa Hospitals
EMS Diversion by Cause (%)
Q1 2013: N=364 hr.'s



*Base Hospital
Q1 2013 Report*

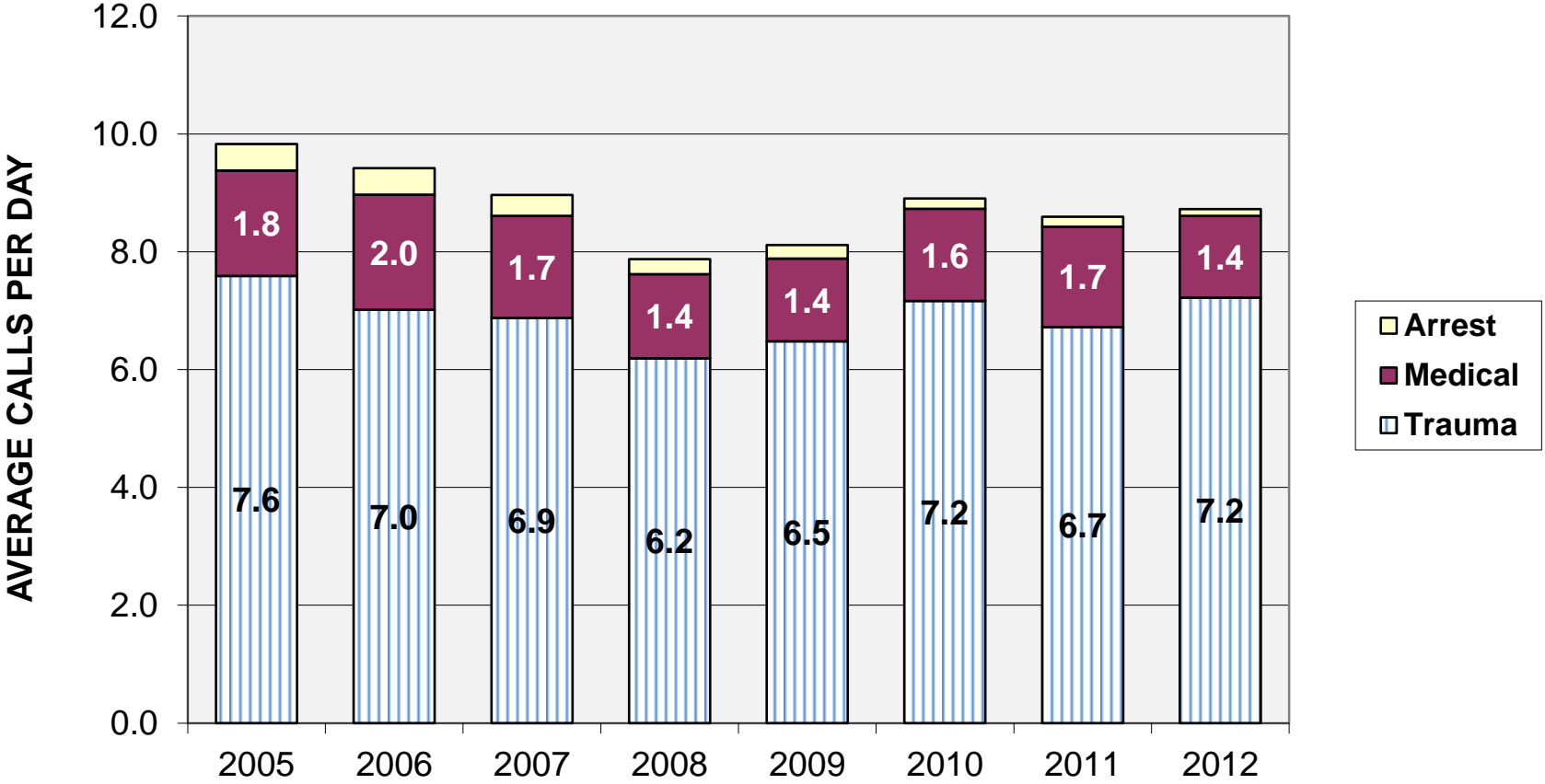
Base Hospital Average Daily Calls By Year + Q1 2013

N(Q1)=792

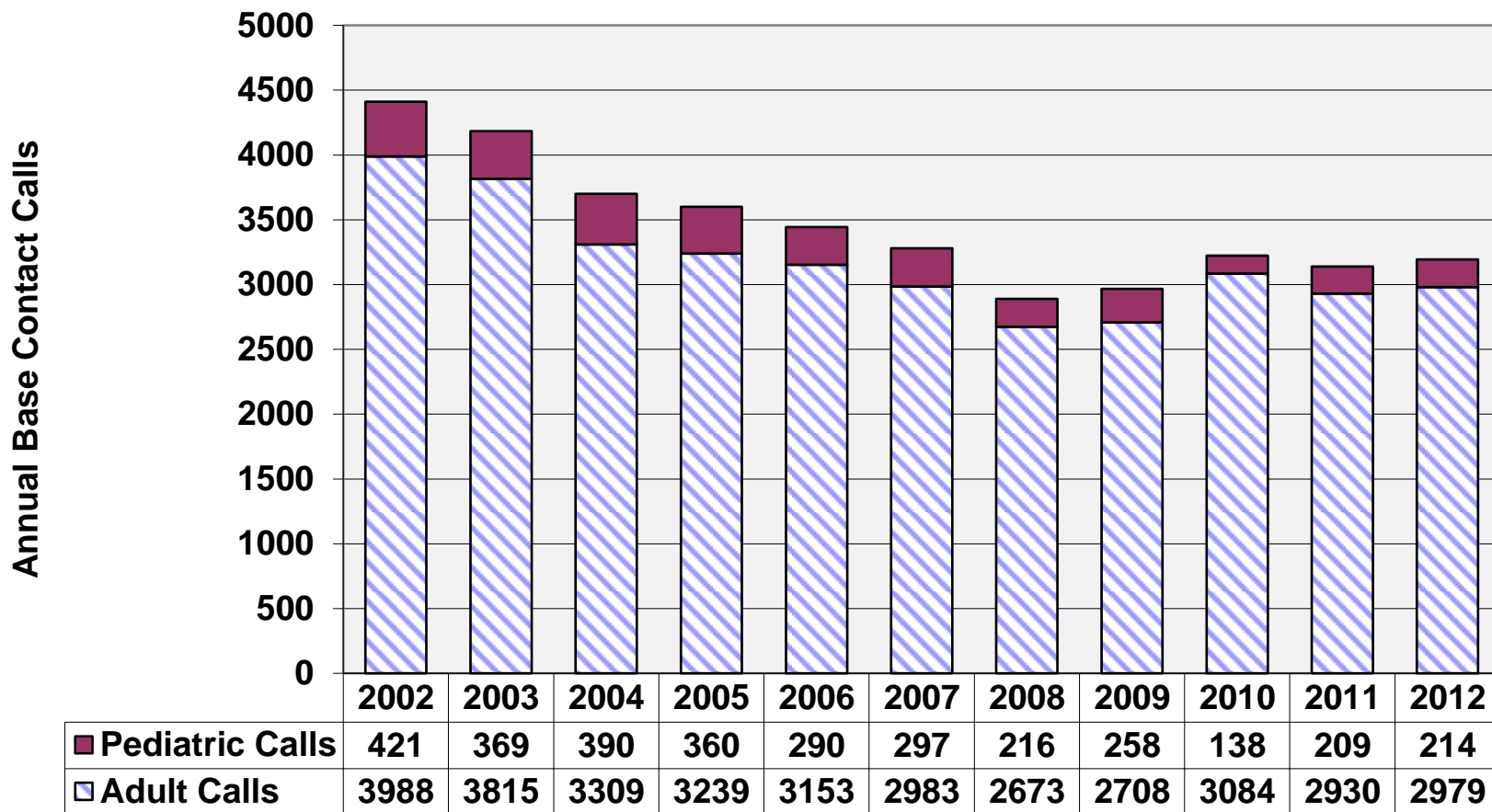


Median = 9.4

DAILY BASE CALL BY CALL TYPE



Base Contact for Adult vs. Pediatric Patients



Note: Pediatric age 14 or below

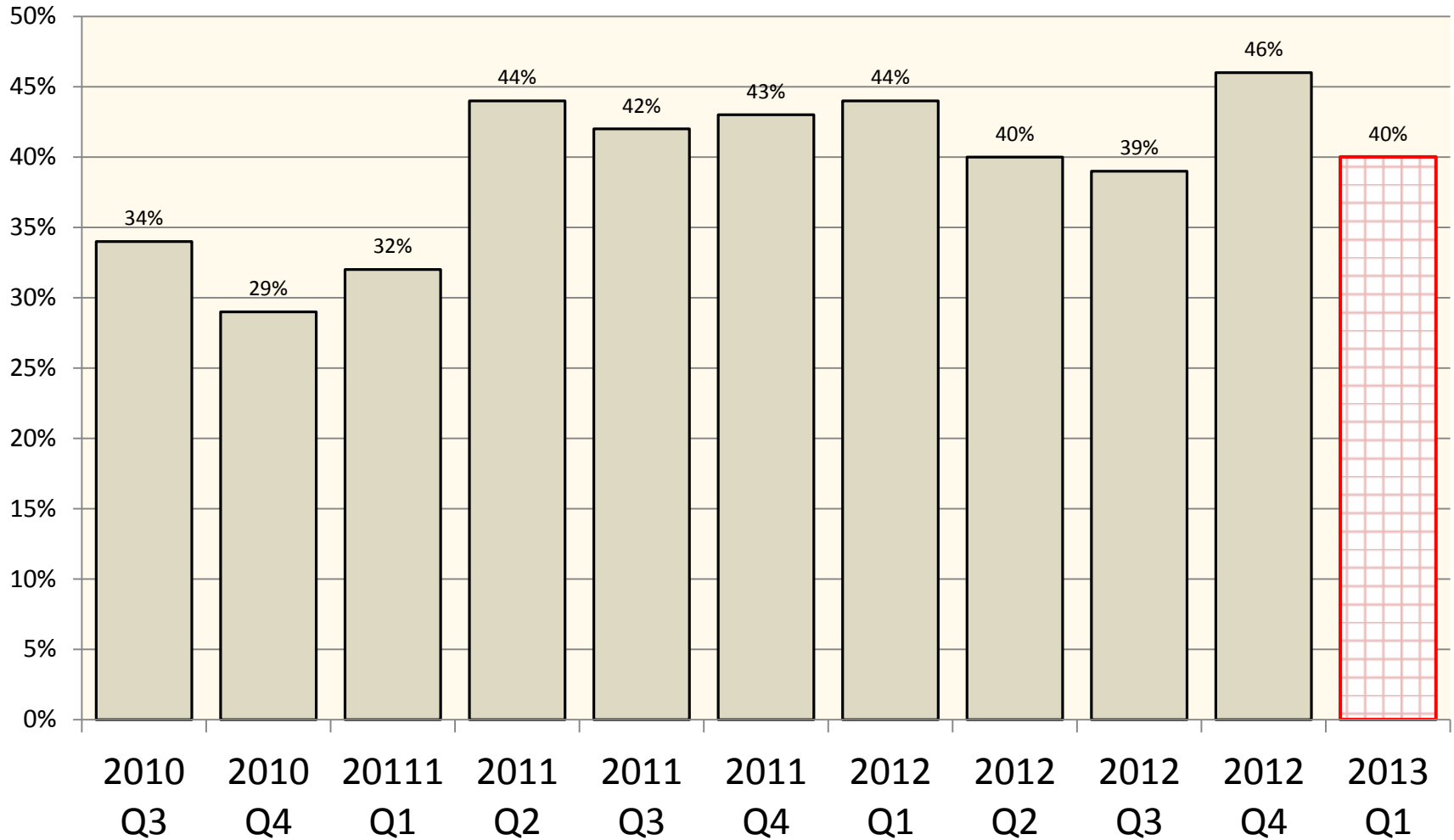
Cardiac Arrest Q1 2013 Report

Data Source: CARES Registry through June 2012.

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

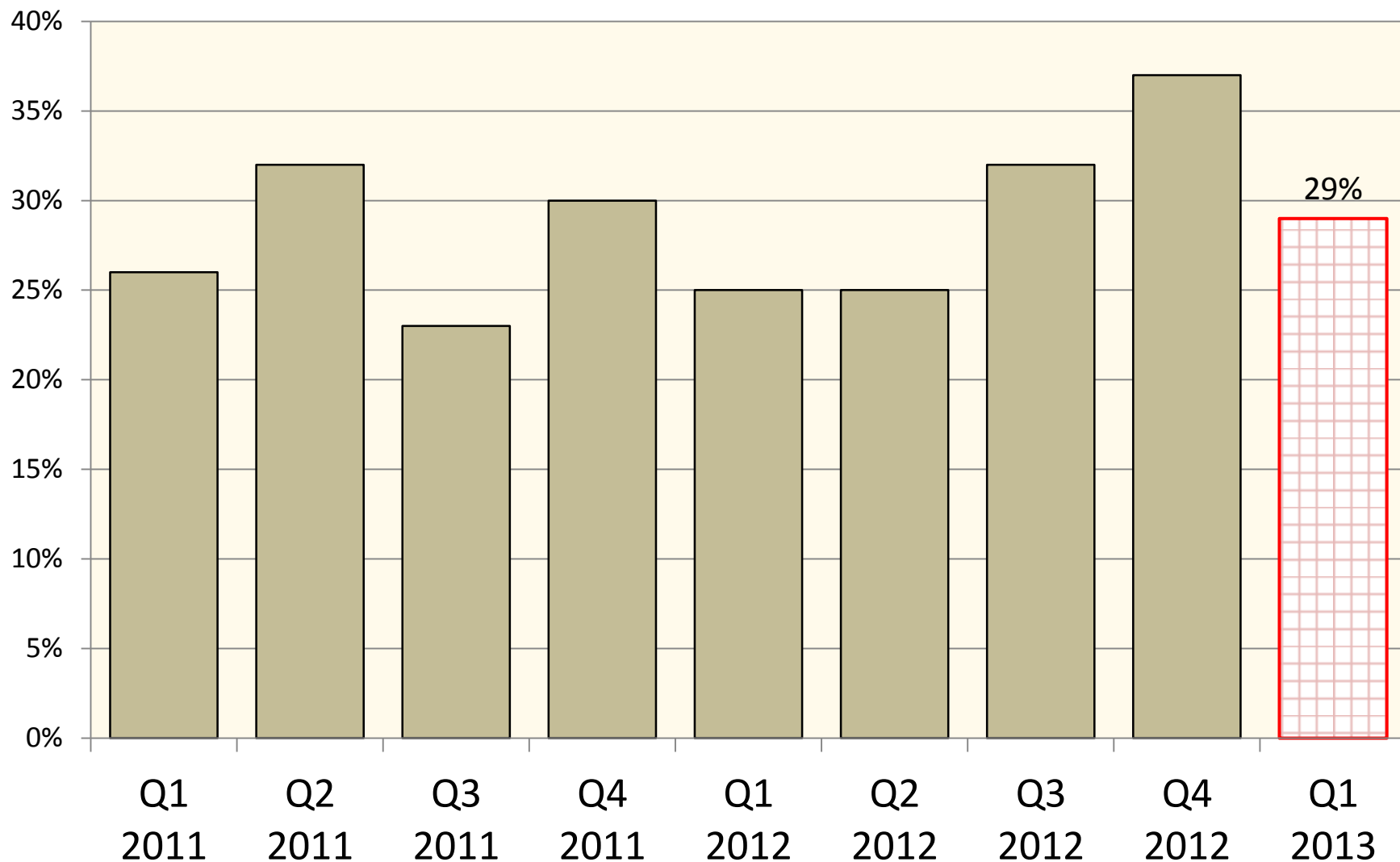
% Bystander CPR by Quarter

By Quarter through Q1 2013

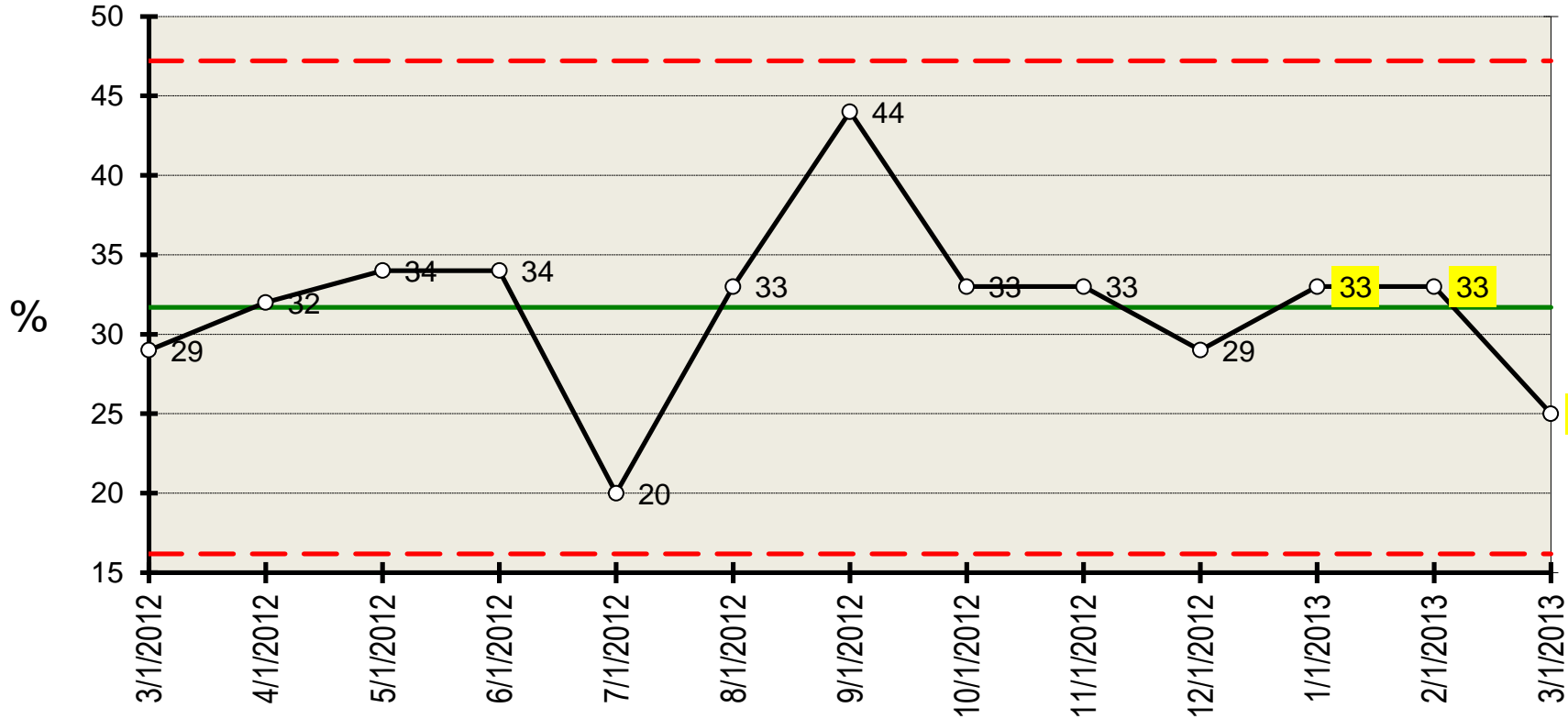


Cardiac Arrest Survival Utstein

By Quarter through Q1: 2013



% Cardiac Arrest Survival – Utstein By Month through Q1 2013



No Special Cause Detected

Avg of Data Shown 31.69231
Median Data Shown 33
Sigma for Limits 5.171
Base for Limits Average MR

Chart Type: Chart for Individuals

Centerline: 31.69 Process Limits: Lower: 16.18 Upper: 47.21

Database Column

1

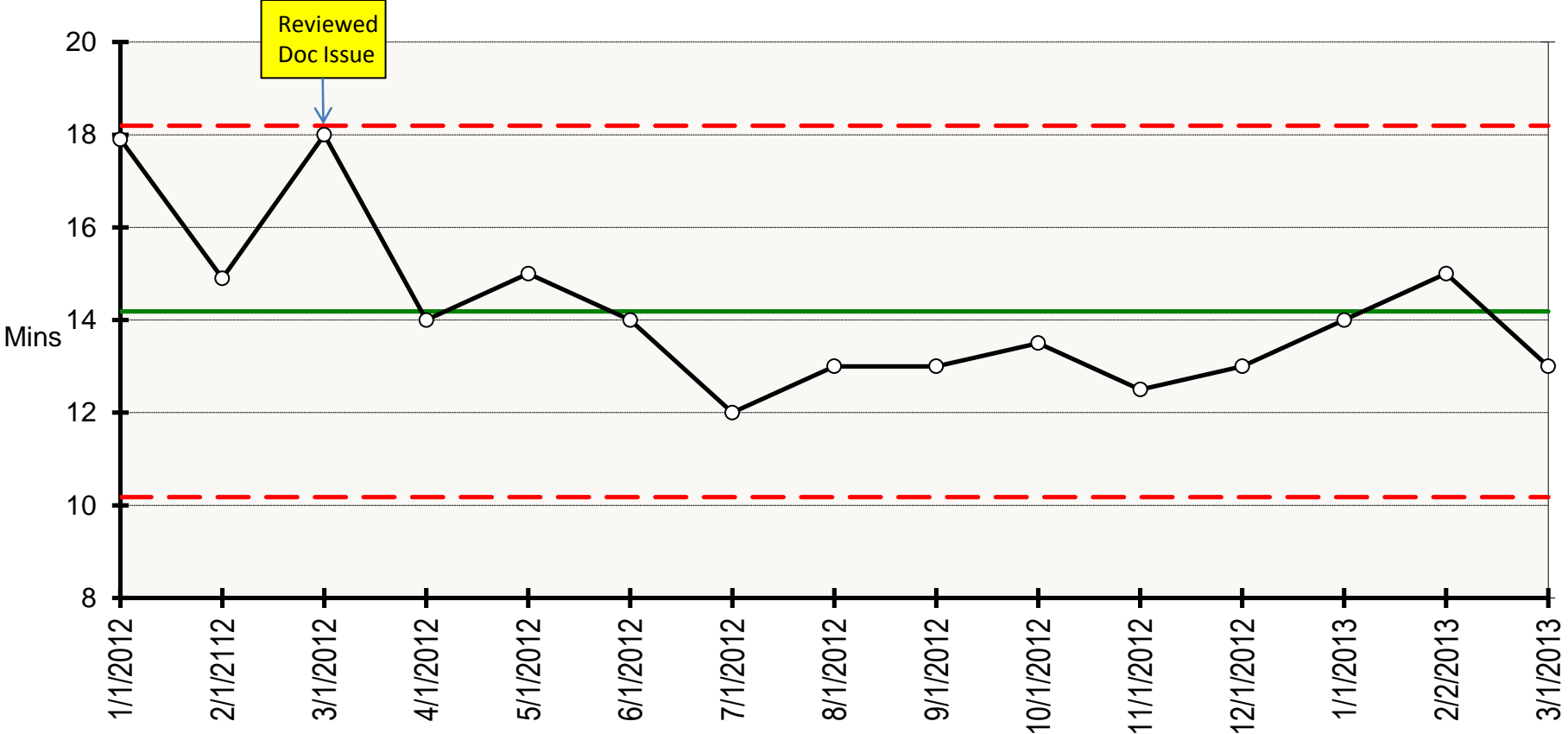
- A: 1 Beyond Control Limit
- B: 9 On One Side of Average
- C: 6 Trending Up or Down
- D: 14 Alternating Up & Down
- E: 2 of 3 Beyond 2 Sigma
- F: 4 of 5 Beyond 1 Sigma
- G: 15 Within 1 Sigma
- H: 8 Outside 1 Sigma
- X: Excluded or Missing Data

STEMI System
Q1 2013 Report

Contra Costa STEMI System

Median Prehospital Scene Time Interval

By Month through Q1 2013



Special Cause Detected

Avg of Data Shown 14.18667
Median Data Shown 14
Sigma for Limits 1.336
Base for Limits Average MR

Chart Type: Chart for Individuals

Centerline: 14.19 Process Limits: Lower: 10.18 Upper: 18.20

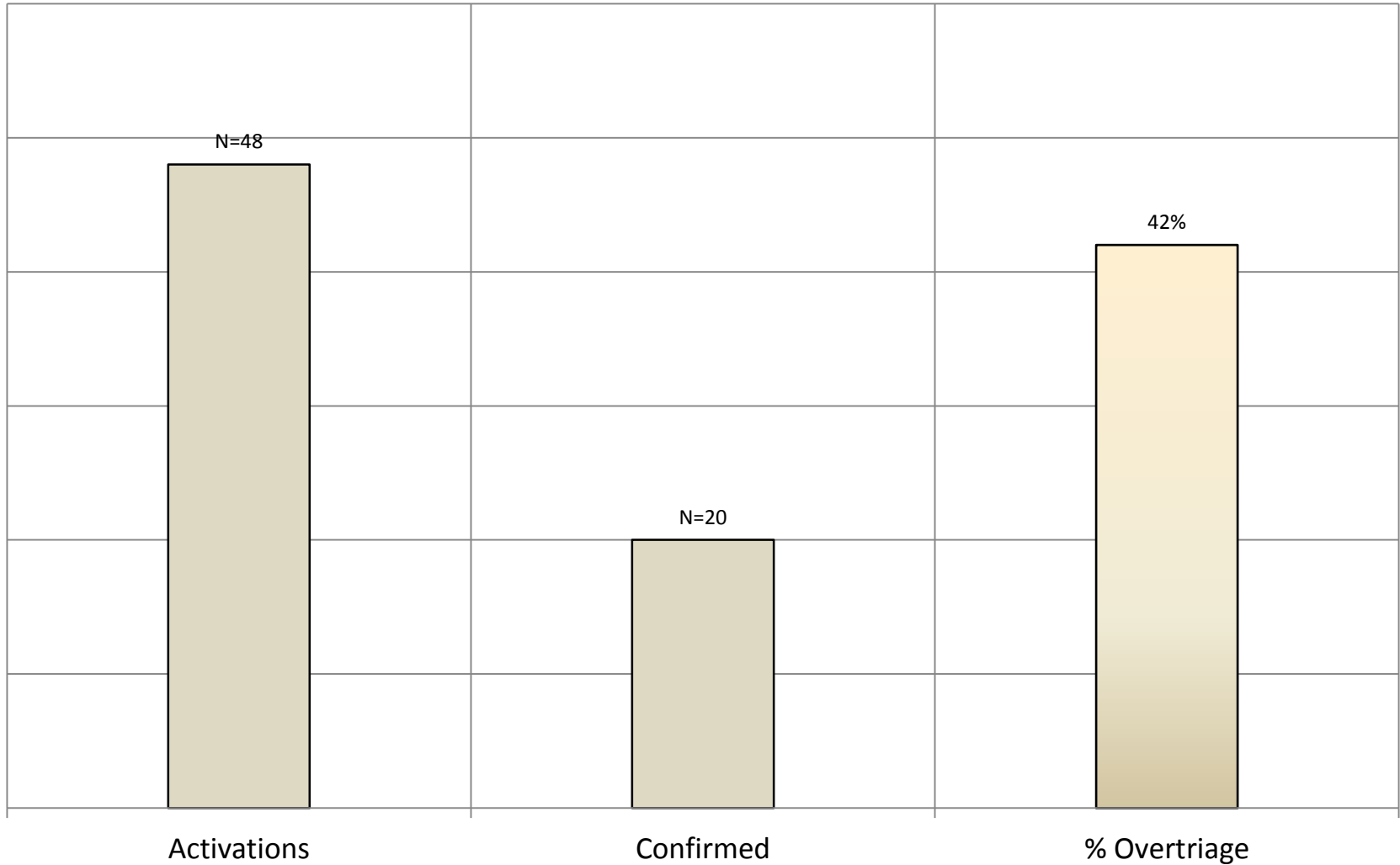
A: 1 Beyond Control Limit
 B: 9 On One Side of Average
 C: 6 Trending Up or Down
 D: 14 Alternating Up & Down

Database Column

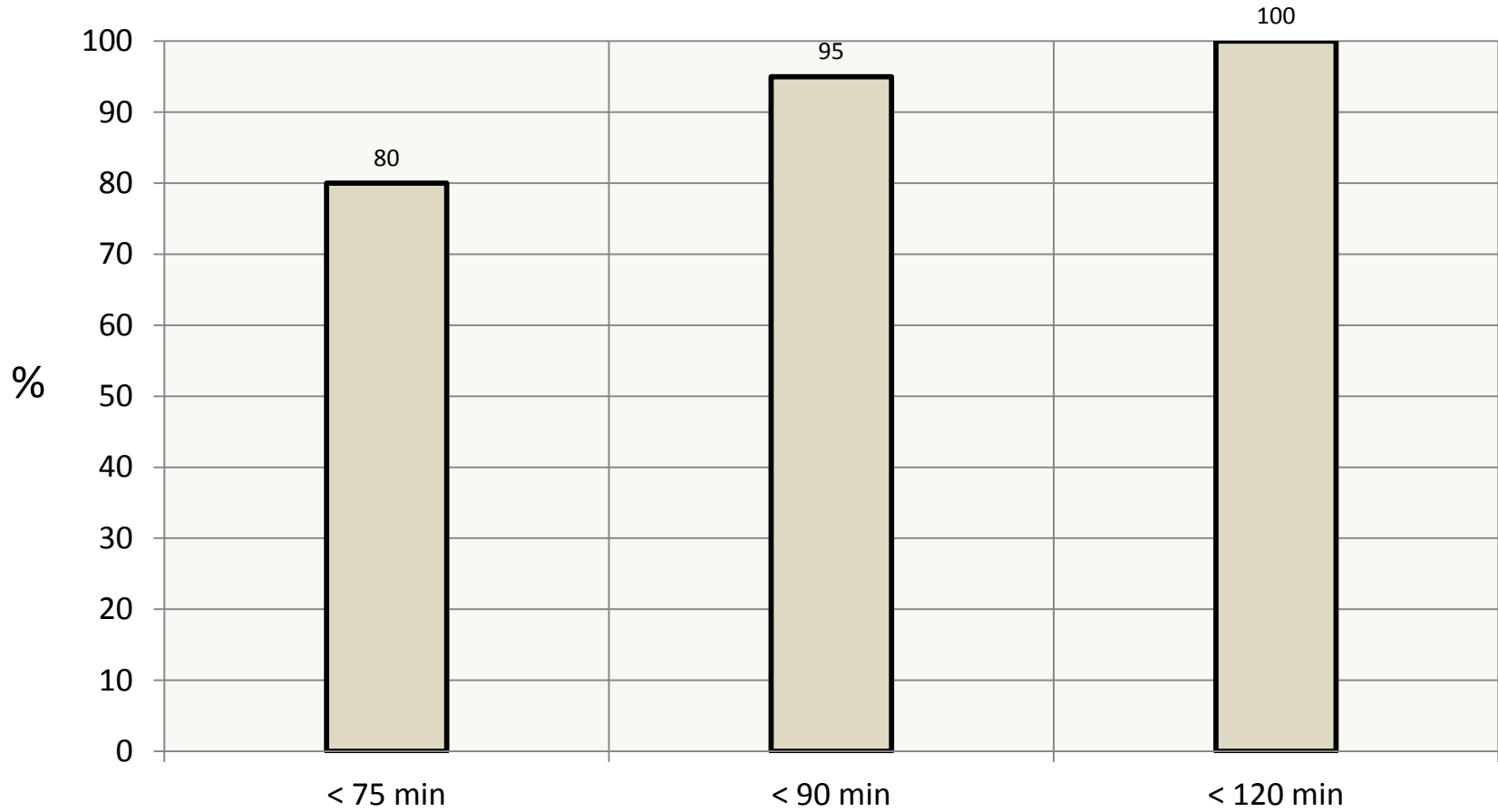
1

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

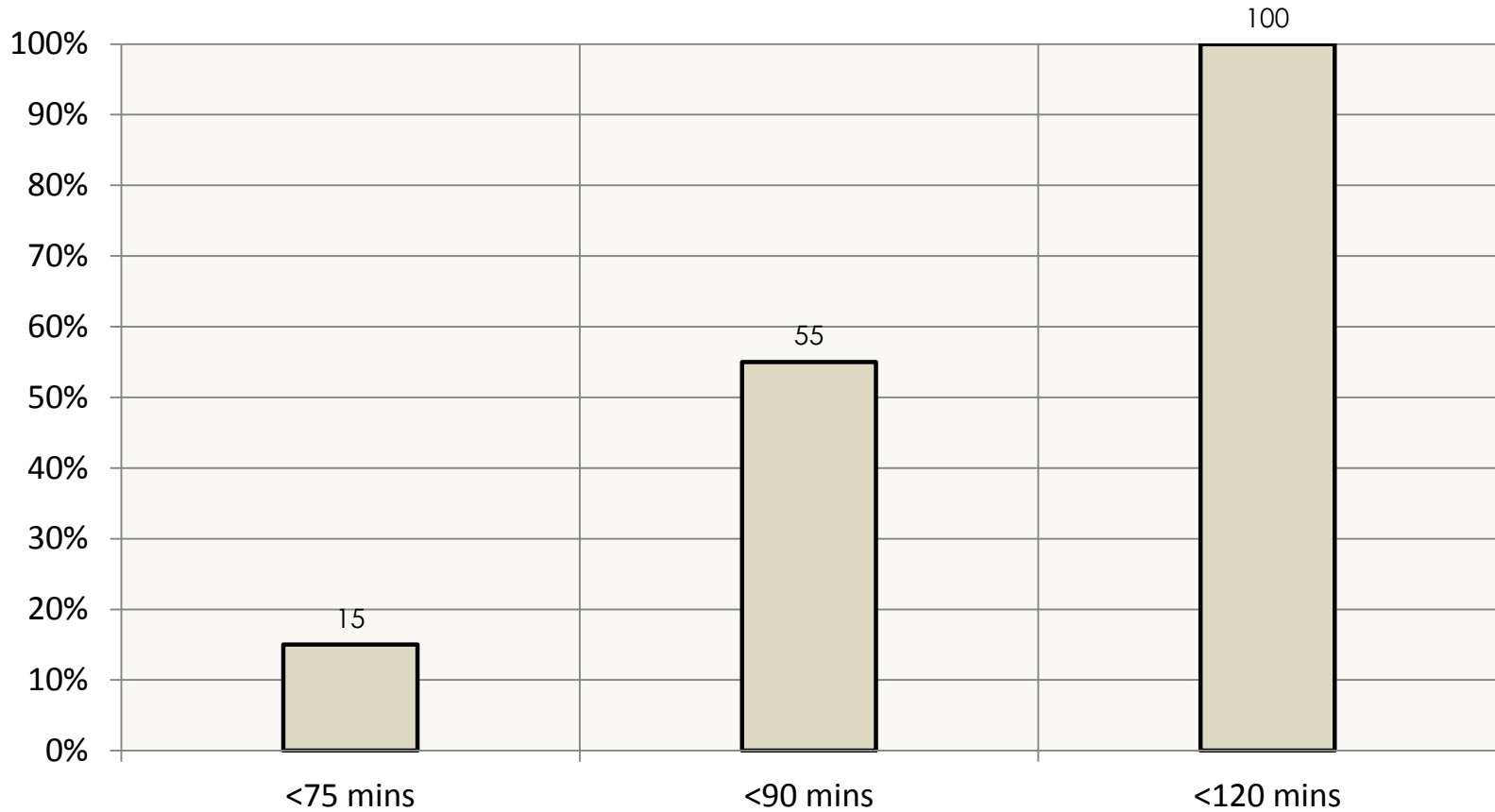
Contra Costa STEMI System Overtriage By Month through Q1 2013



Contra Costa STEMI System D2I Q1 2013



Contra Costa County STEMI System 911 to First PCI Time Q1 2013



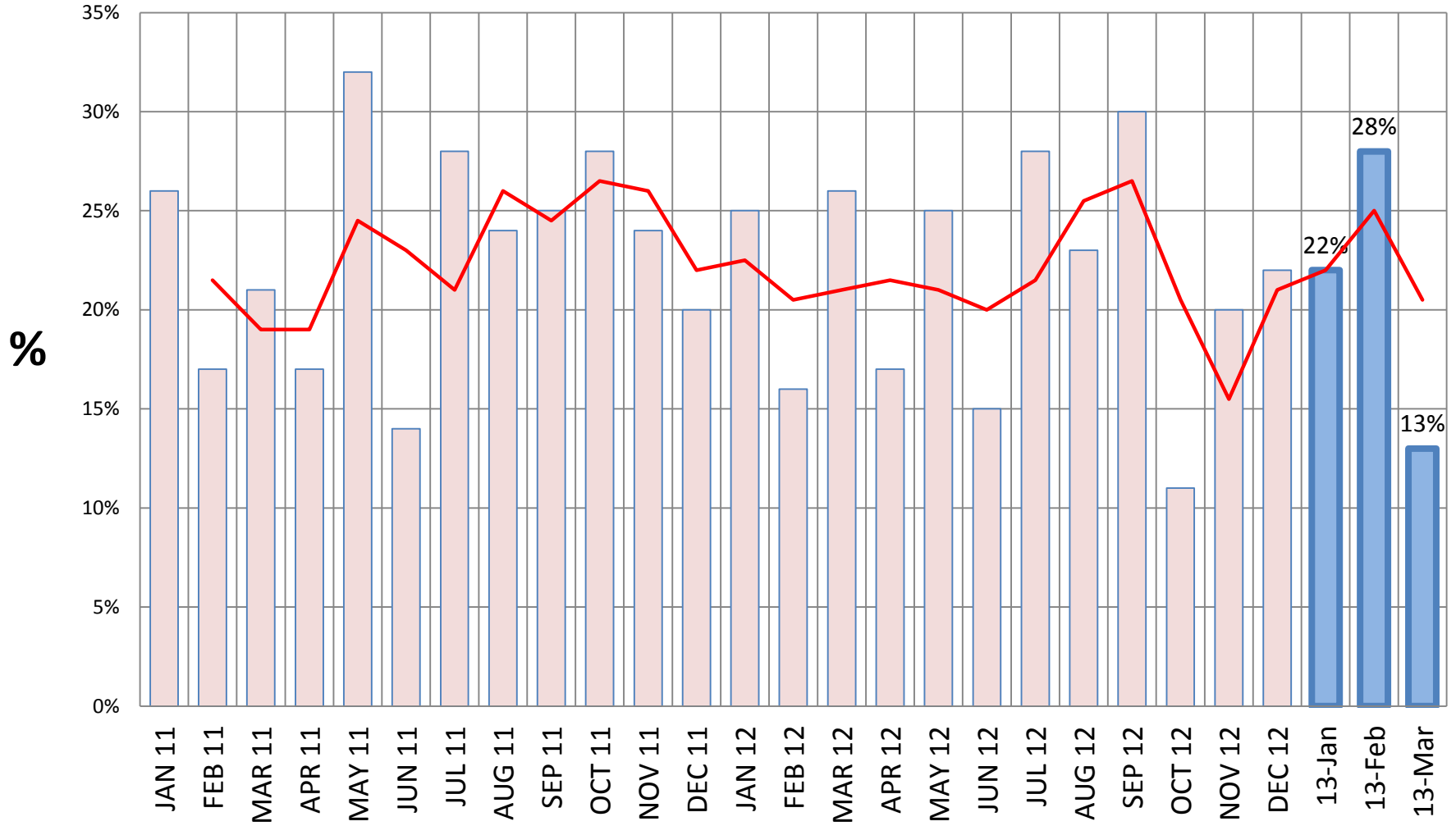
Stroke System Q1 2013 Report

*Trauma System
Q1 2013 Report*

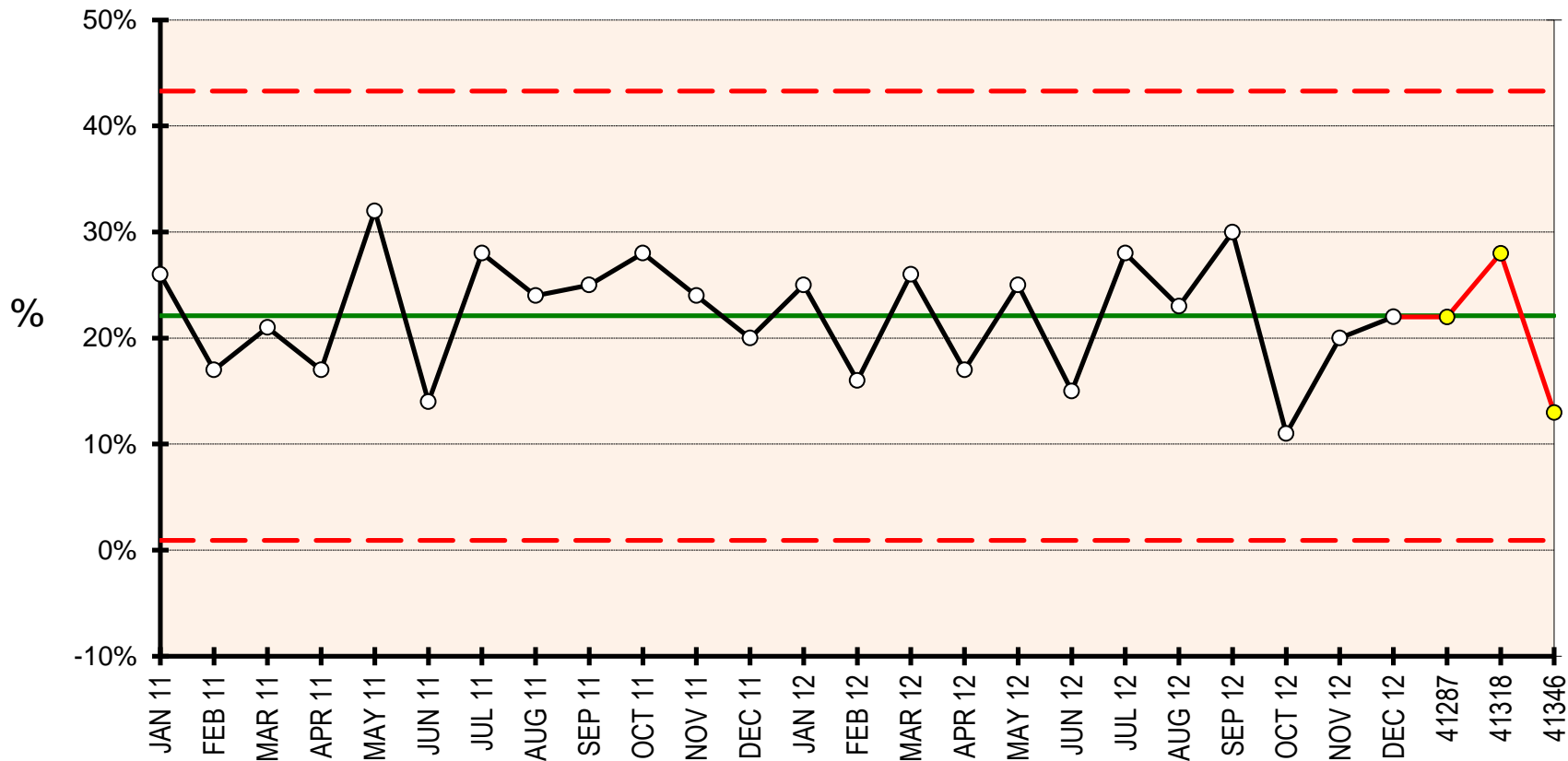
Contra Costa Trauma Activations

% ISS >15 through Q1 2013

N=445



Trauma Activations % ISS >15 through Q1 2013



No Special Cause Detected

Avg of Data Shown 0.221111
Median Data Shown 0.23
Sigma for Limits 0.07058
Base for Limits Average MR

Chart Type: Chart for Individuals

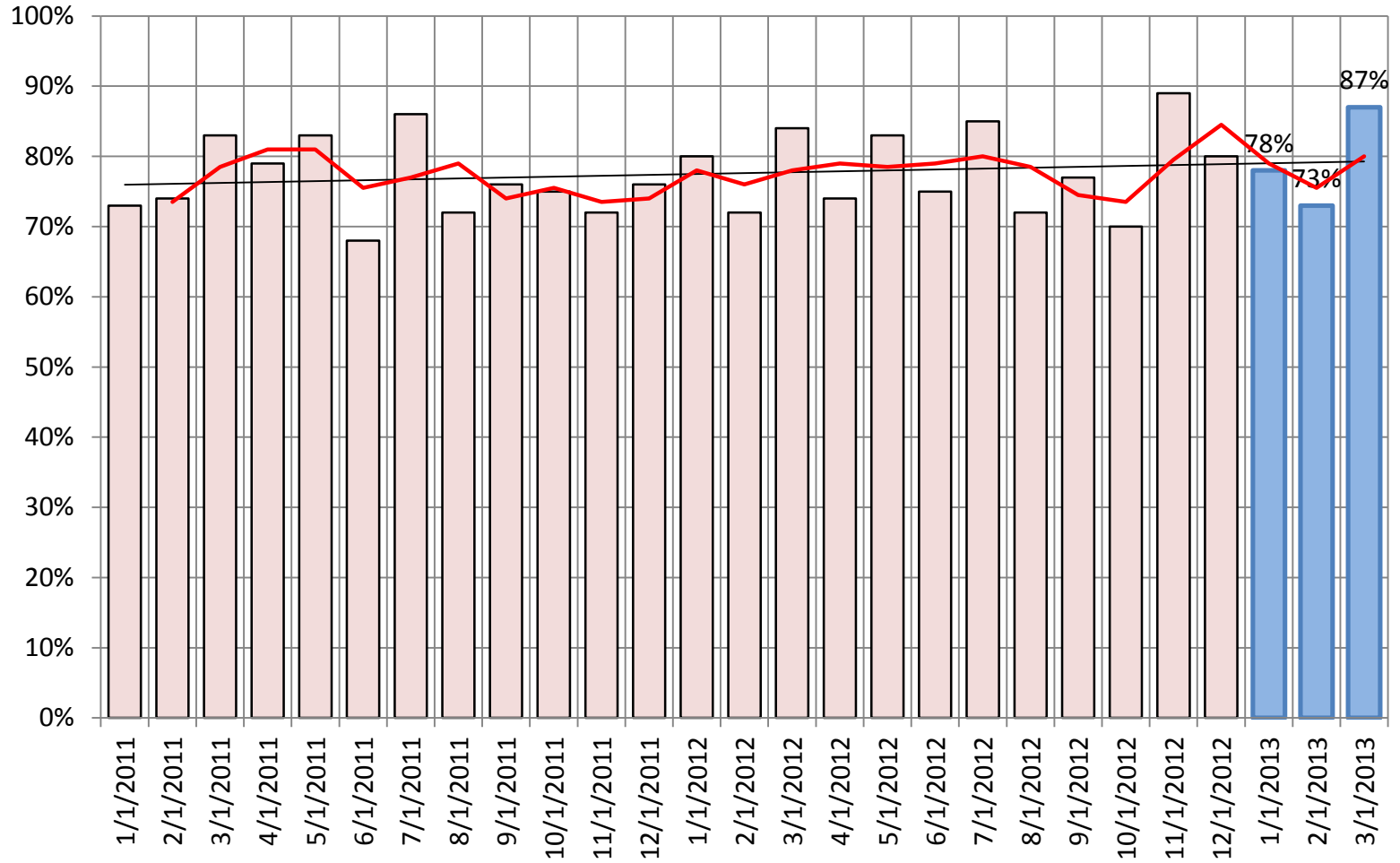
Centerline: 0.2211 **Process Limits:** Lower: 0.009368 **Upper:** 0.4329 **Database Column** 1

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

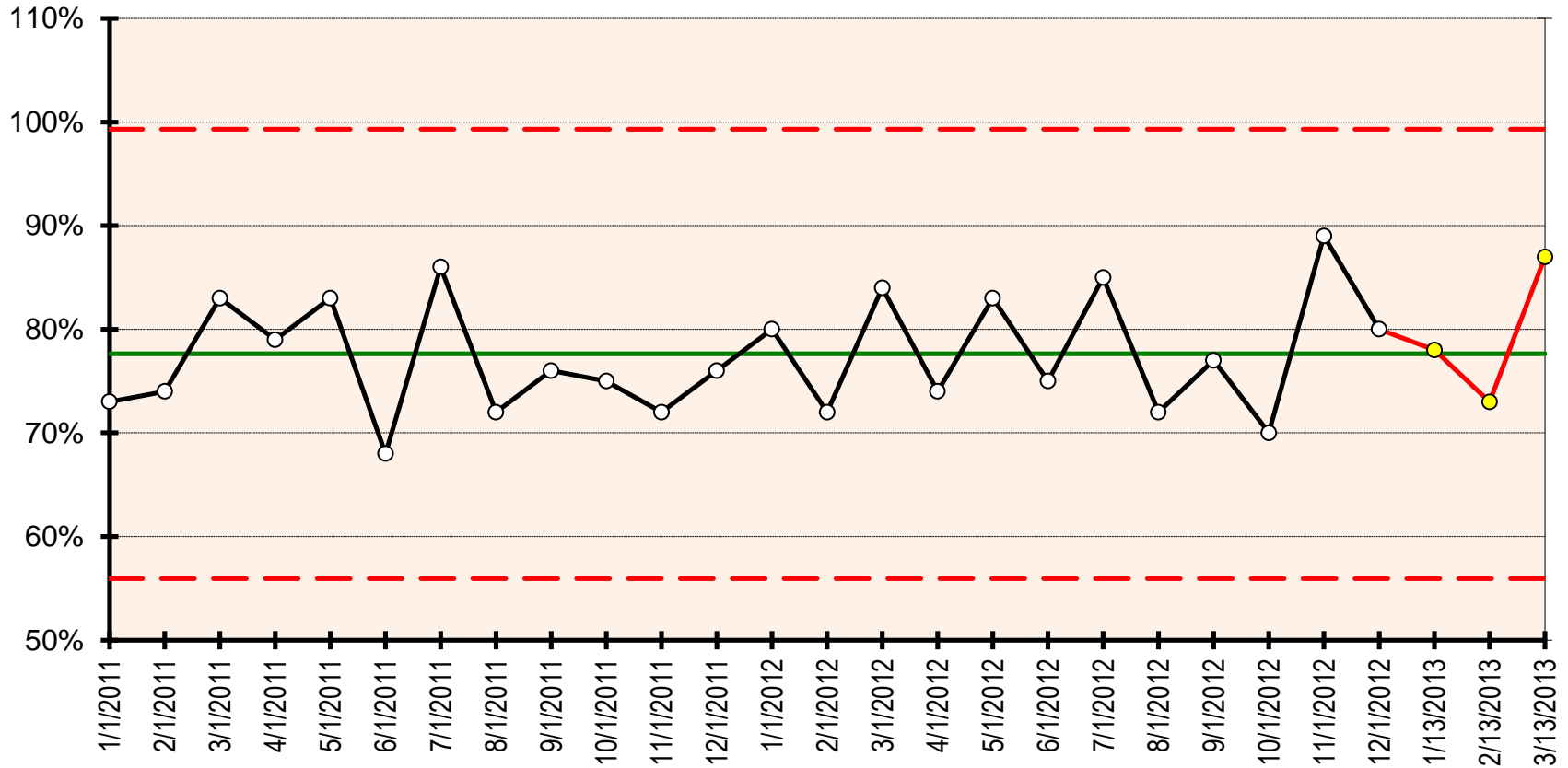
Contra Costa Trauma Activations

% ISS <15 through Q1 2013

N=1538



Trauma Activations % ISS<15 through Q1 2013



No Special Cause Detected

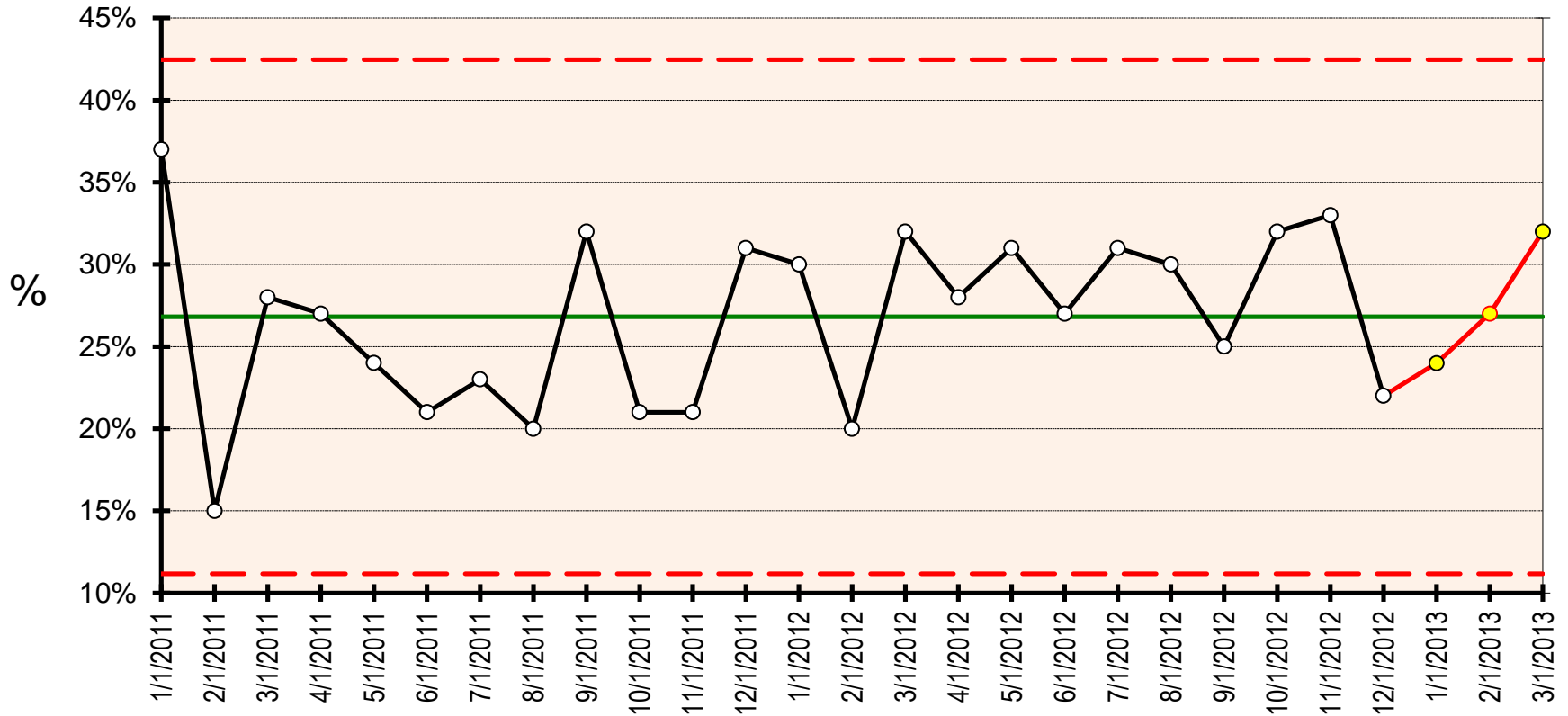
Avg of Data Shown 0.776296
Median Data Shown 0.76
Sigma for Limits 0.07229
Base for Limits Average MR

Chart Type: Chart for Individuals
Centerline: 0.7763 **Process Limits:** Lower: 0.5594 Upper: 0.9932

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

ISS <15 Discharged Home through Q1 2013



No Special Cause Detected

Avg of Data Shown 0.268148
Median Data Shown 0.27
Sigma for Limits 0.05217
Base for Limits Average MR

Chart Type: Chart for Individuals

Centerline: 0.2681 Process Limits: Lower: 0.1116 Upper: 0.4247

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

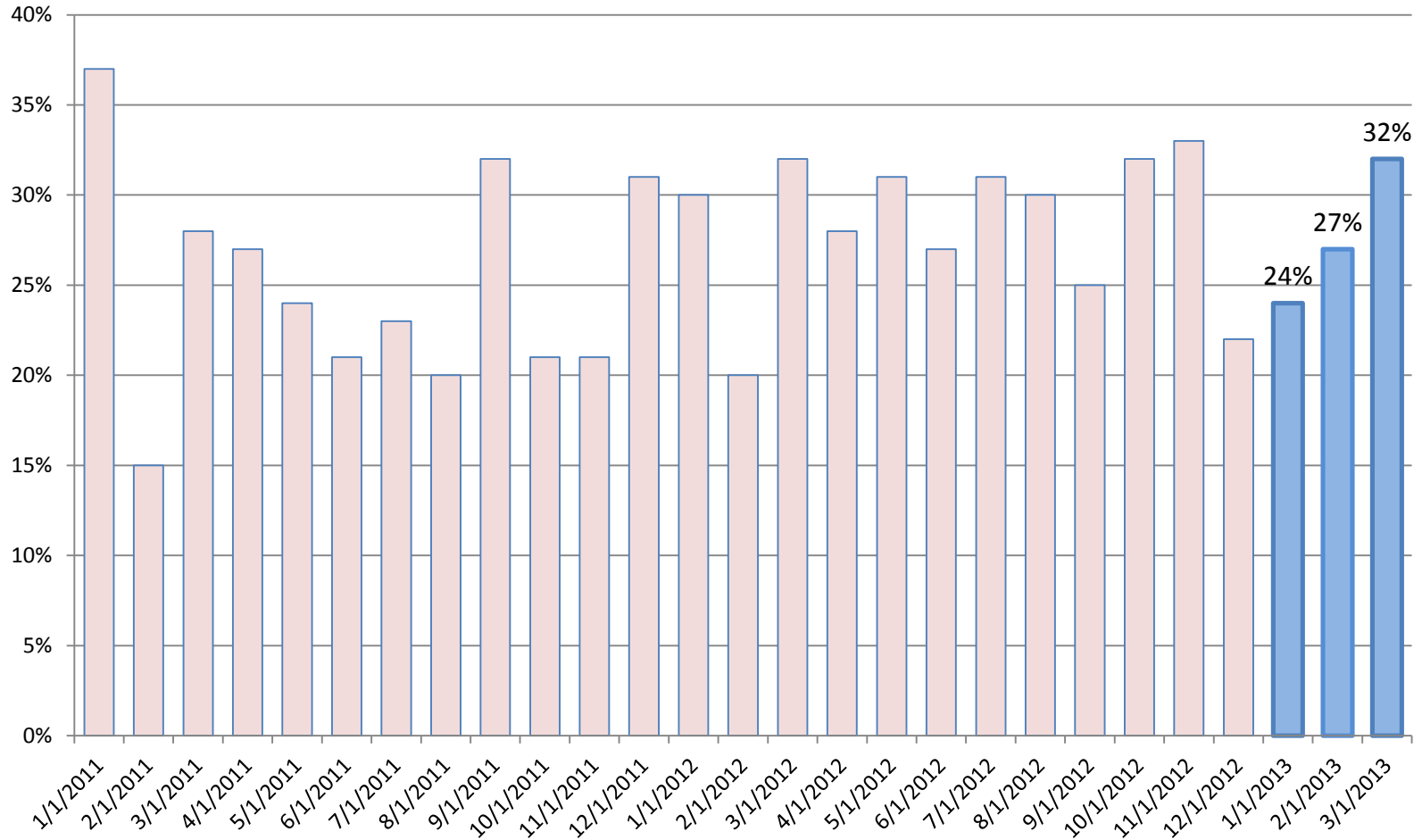
Database Column

1

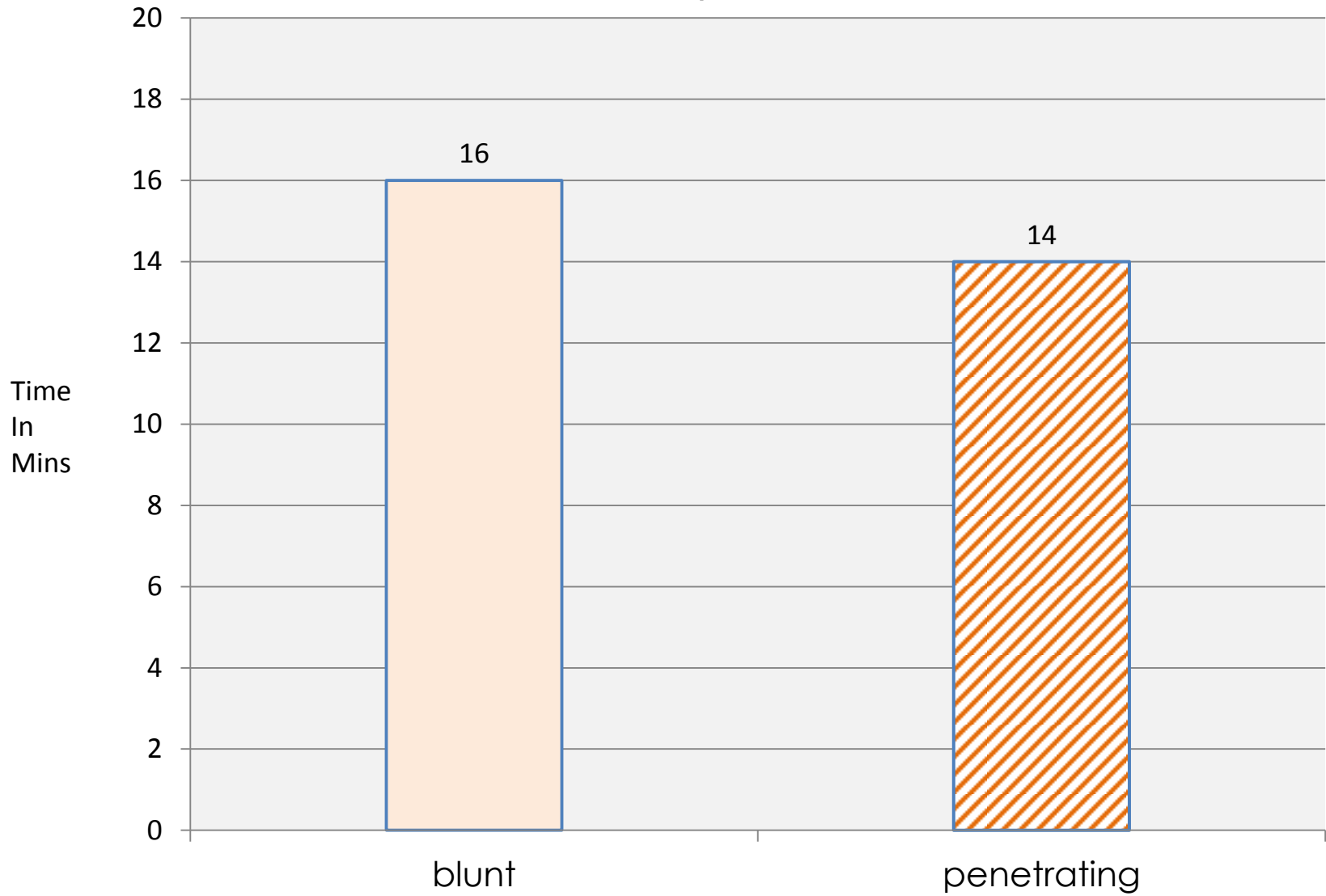
E. 2 of 3 Beyond 2 Sigma
 F. 4 of 5 Beyond 1 Sigma
 G. 15 Within 1 Sigma
 H. 8 Outside 1 Sigma
 X. Excluded or Missing Data

Contra Costa Trauma Activations % ISS < 15 - Discharged Home through Q1 2013

N=587

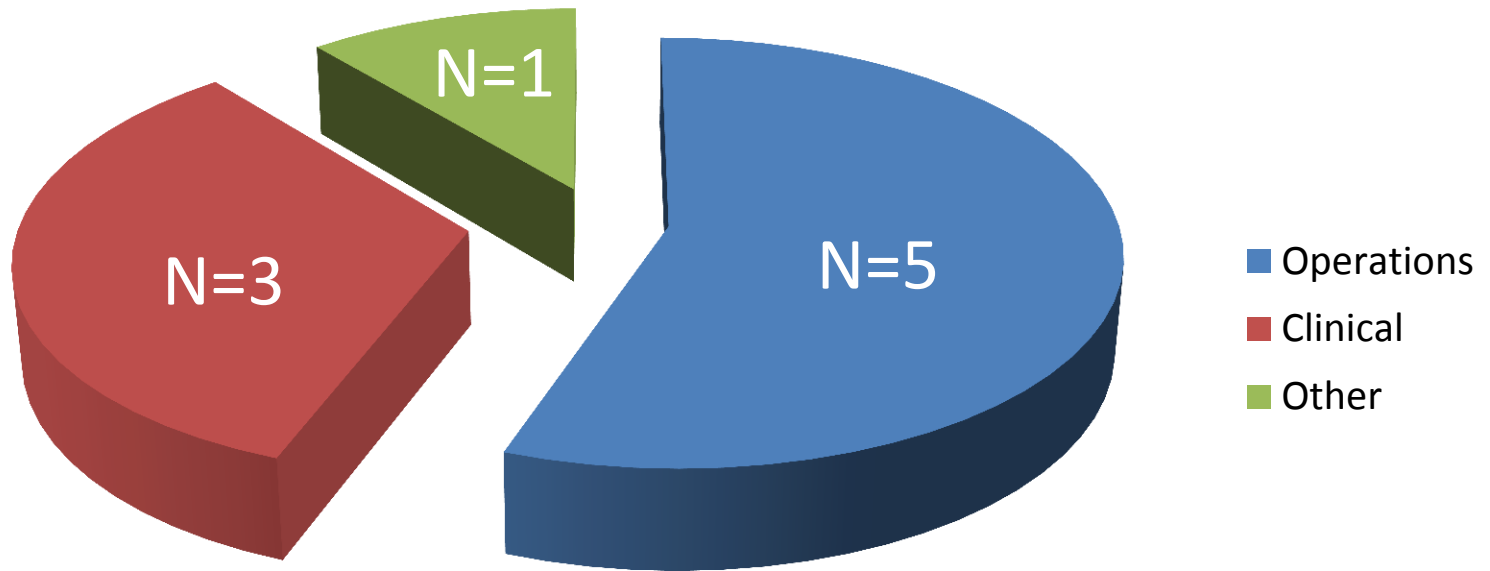


Median Prehospital On Scene Time Interval Blunt vs. Penetrating Trauma Q1 2013



Patient Safety

Contra Costa EMS
Patient Safety Events
by Frequency and Type
Q1 2013: N=9



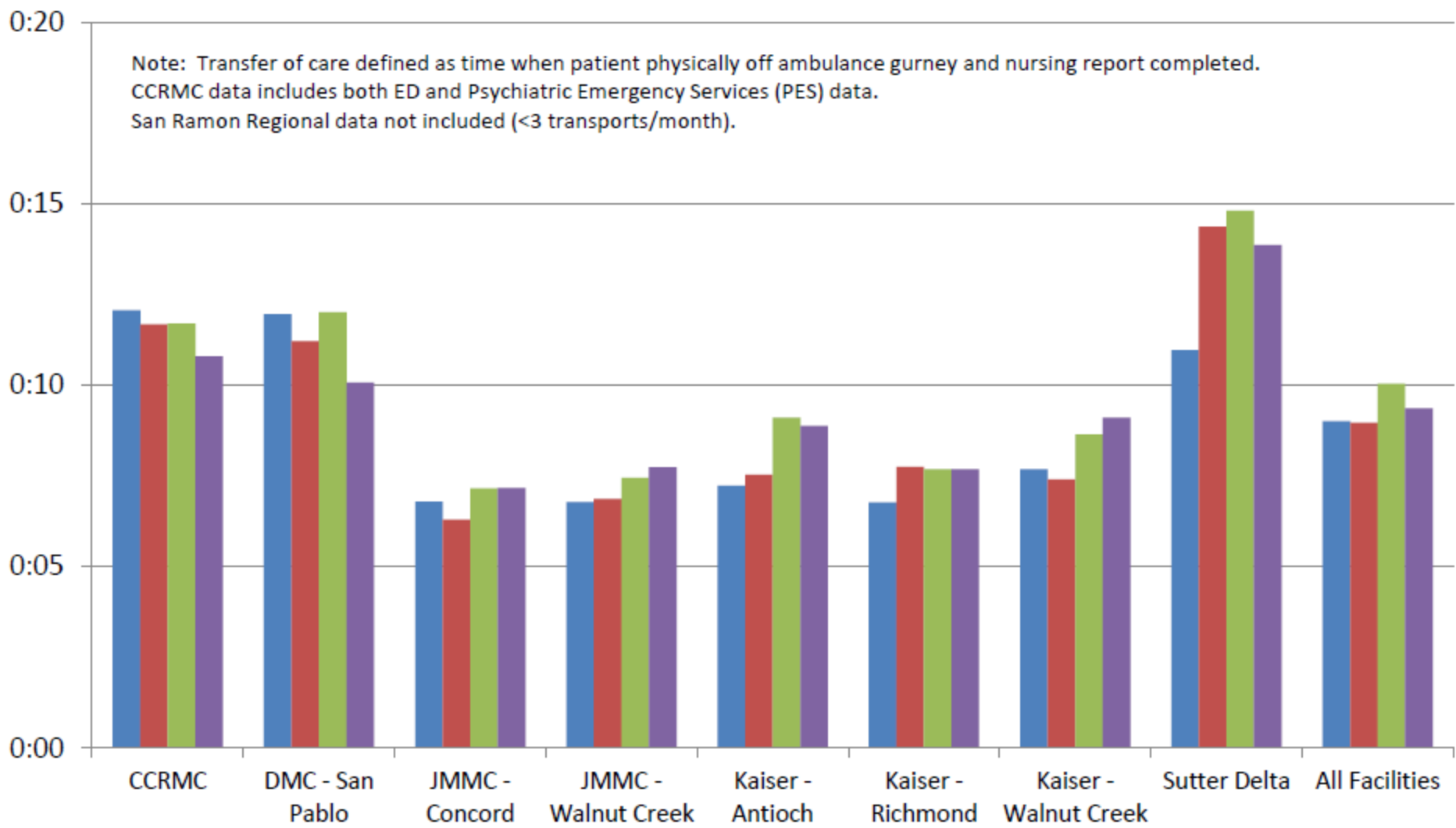
Q1 2013
High Risk Incidents
N = 0

Adhoc Studies
Q1 2013

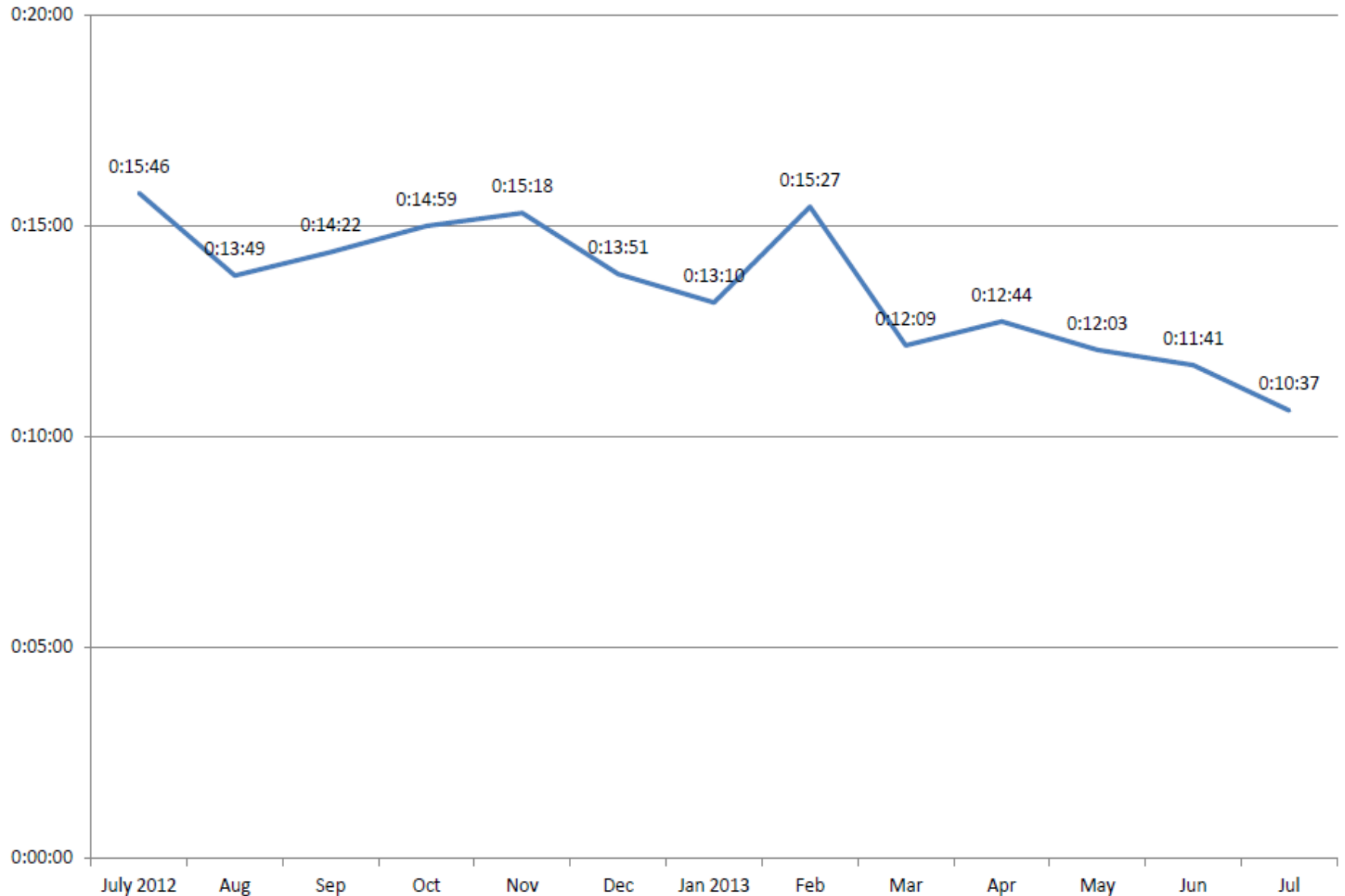
Time Interval (Minutes) from Hospital Arrival at ED Until Transfer of Care AMR Data - July 2012 to June 2013

■ Jul-Sep 2012
 ■ Oct-Dec 2012
 ■ Jan-Mar 2013
 ■ Apr-Jun 2013

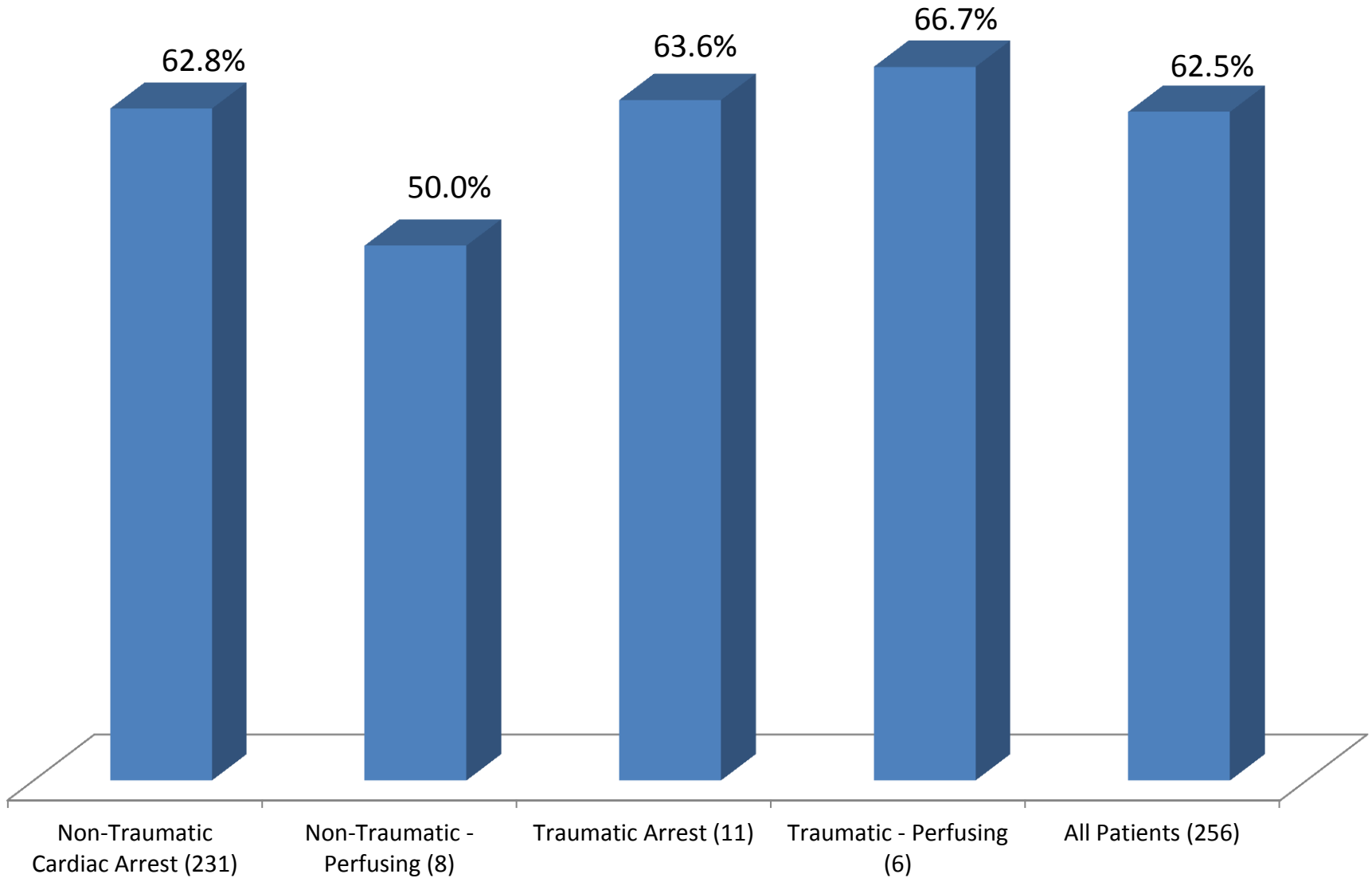
Note: Transfer of care defined as time when patient physically off ambulance gurney and nursing report completed.
 CCRMC data includes both ED and Psychiatric Emergency Services (PES) data.
 San Ramon Regional data not included (<3 transports/month).



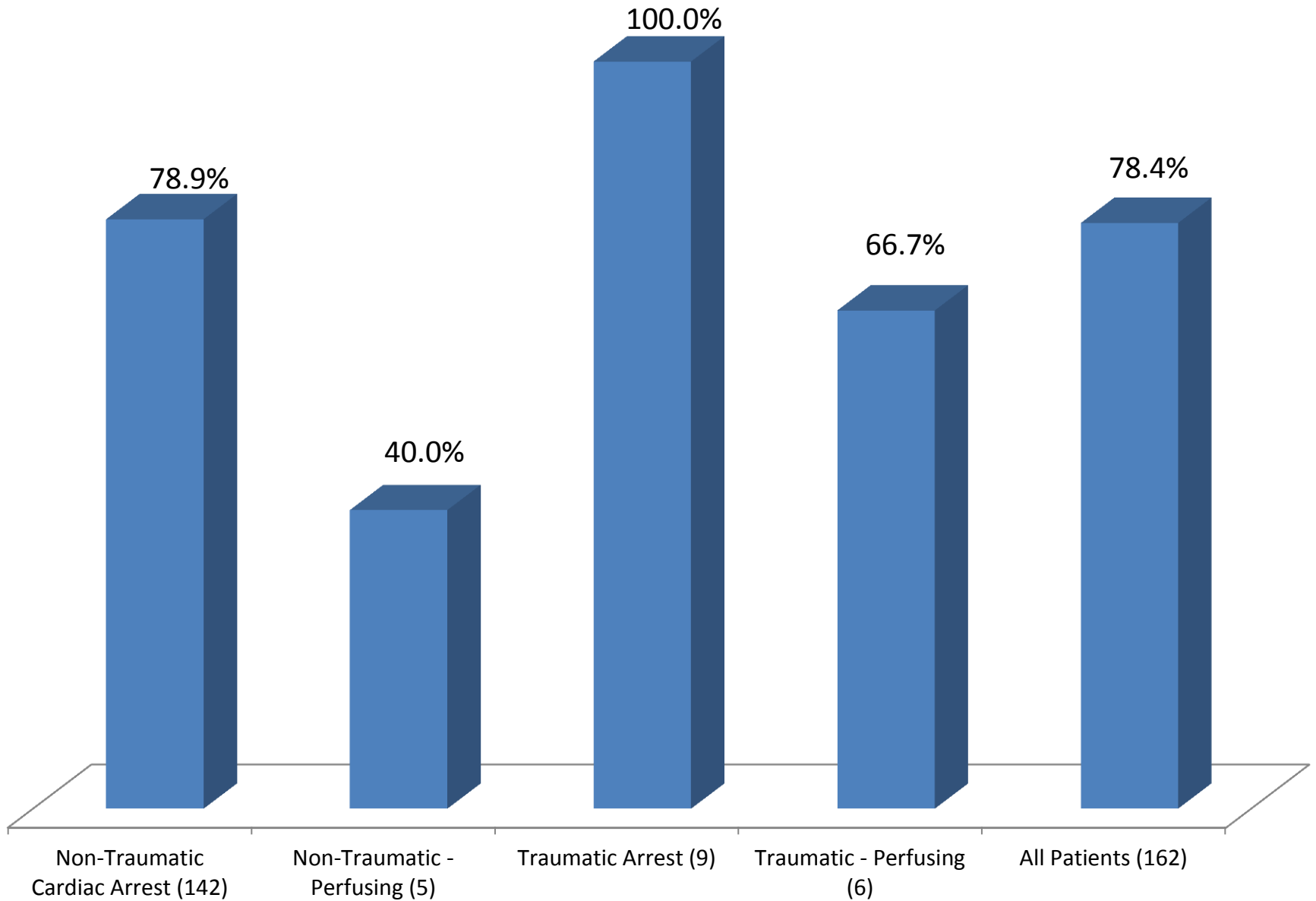
Average Time from Ambulance Arrival to Transfer of Care CCRMC - Behavioral/Psychiatric Patients



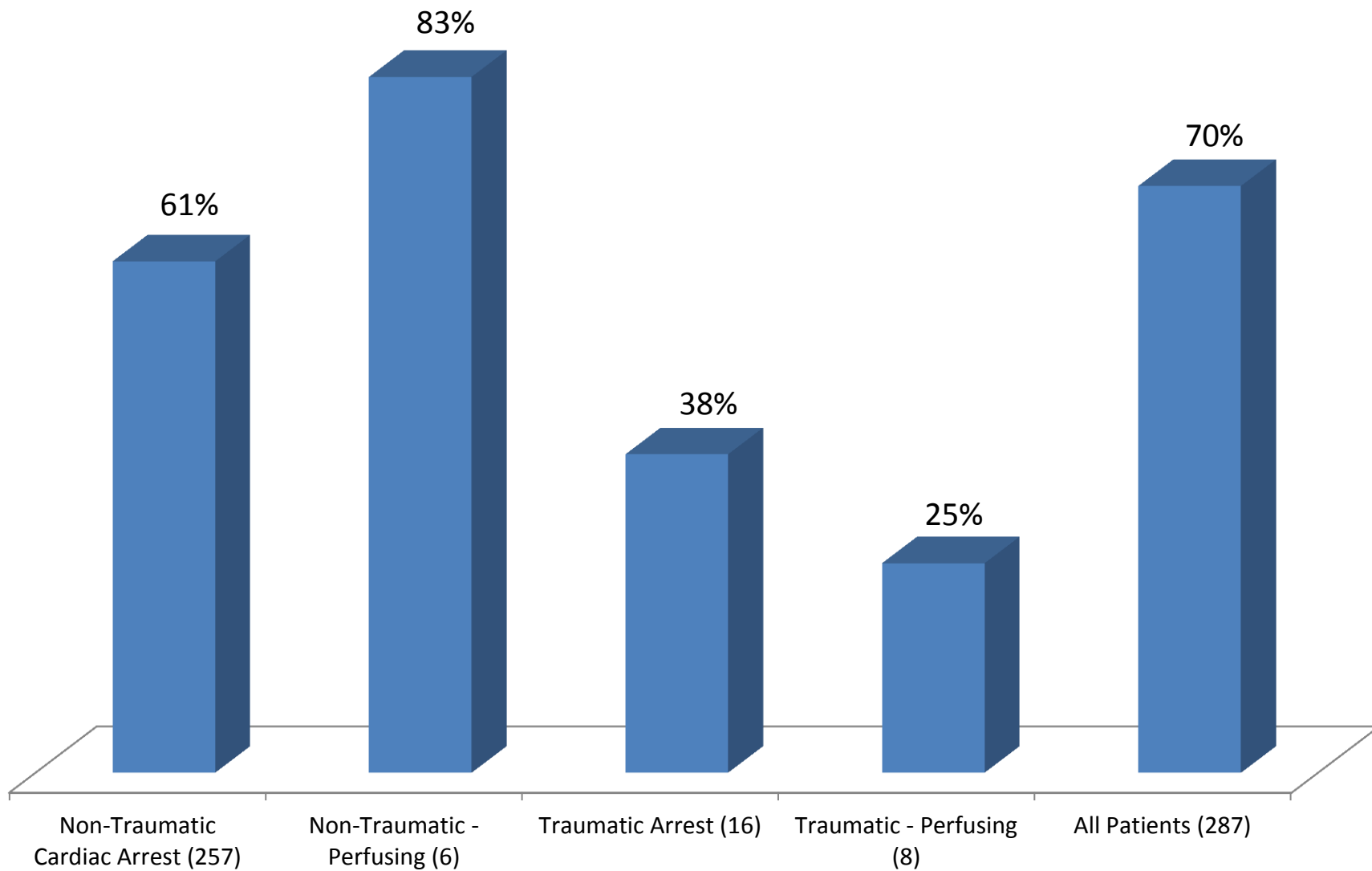
Endotracheal Tube Success (Percent of Patients) 2012-13



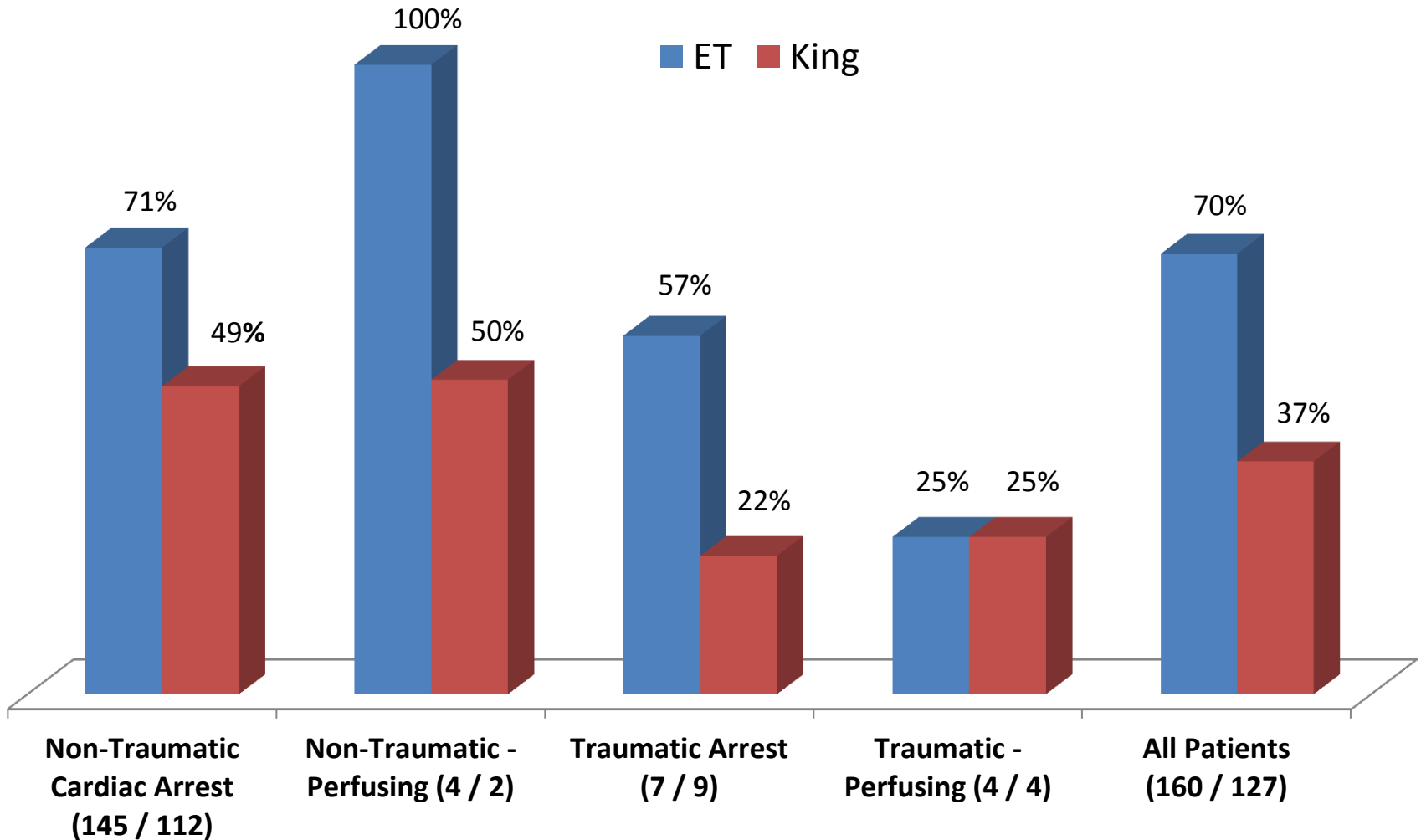
King Airway Success (Primary and Rescue) 2012-13



Percent Documentation of Numerical Value for ETCO2 in PCR 2012-13



Numerical Documentation of ETCO2 Endotracheal Tube vs. King Airway 2012-13



END REPORT
Q1 2013