

Wake EMS System Peer Review Clinical Data

2nd Quarter 2018

The Wake County EMS System – *Prompt, Compassionate, Clinically Excellent*



Care



STEMI

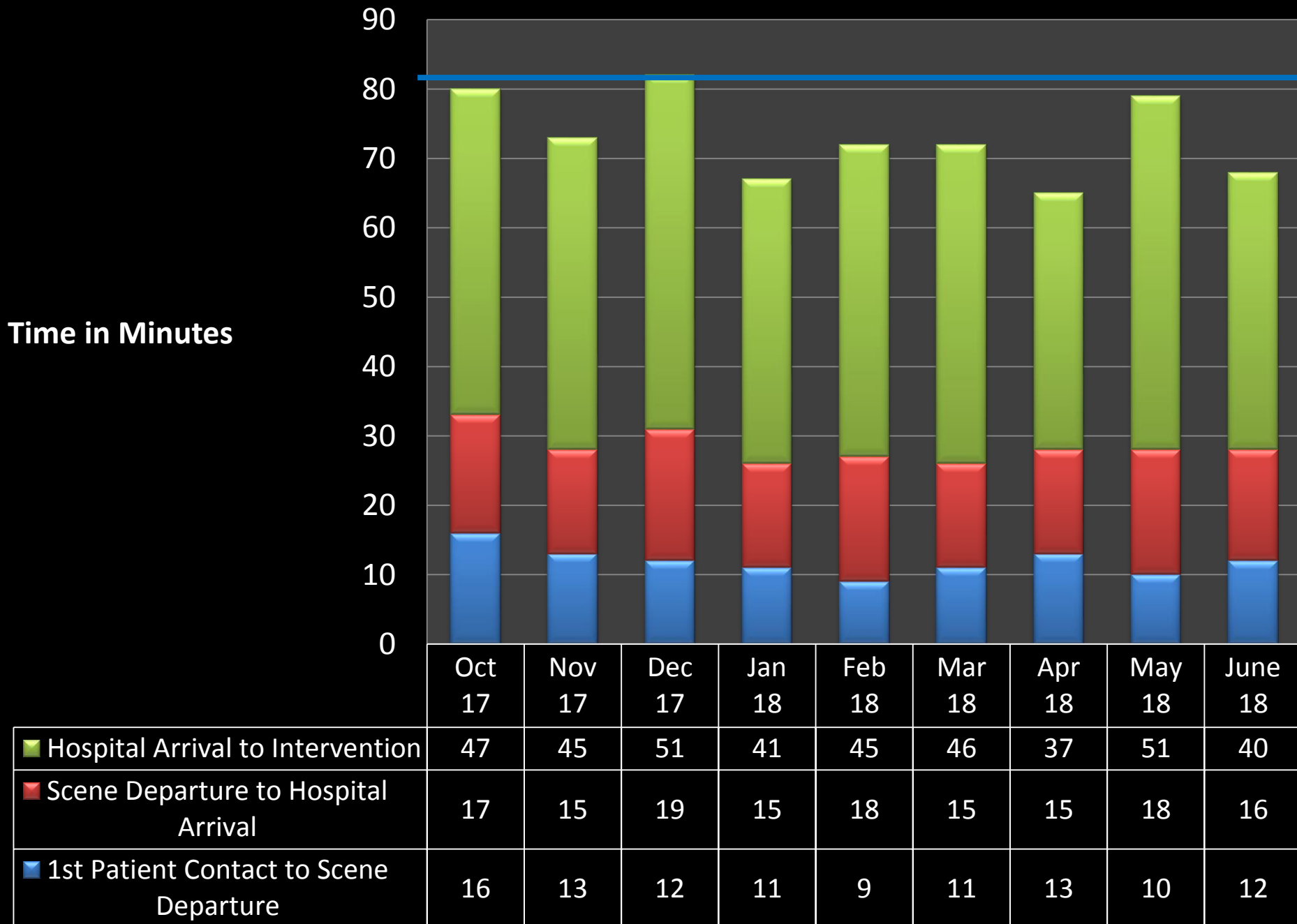
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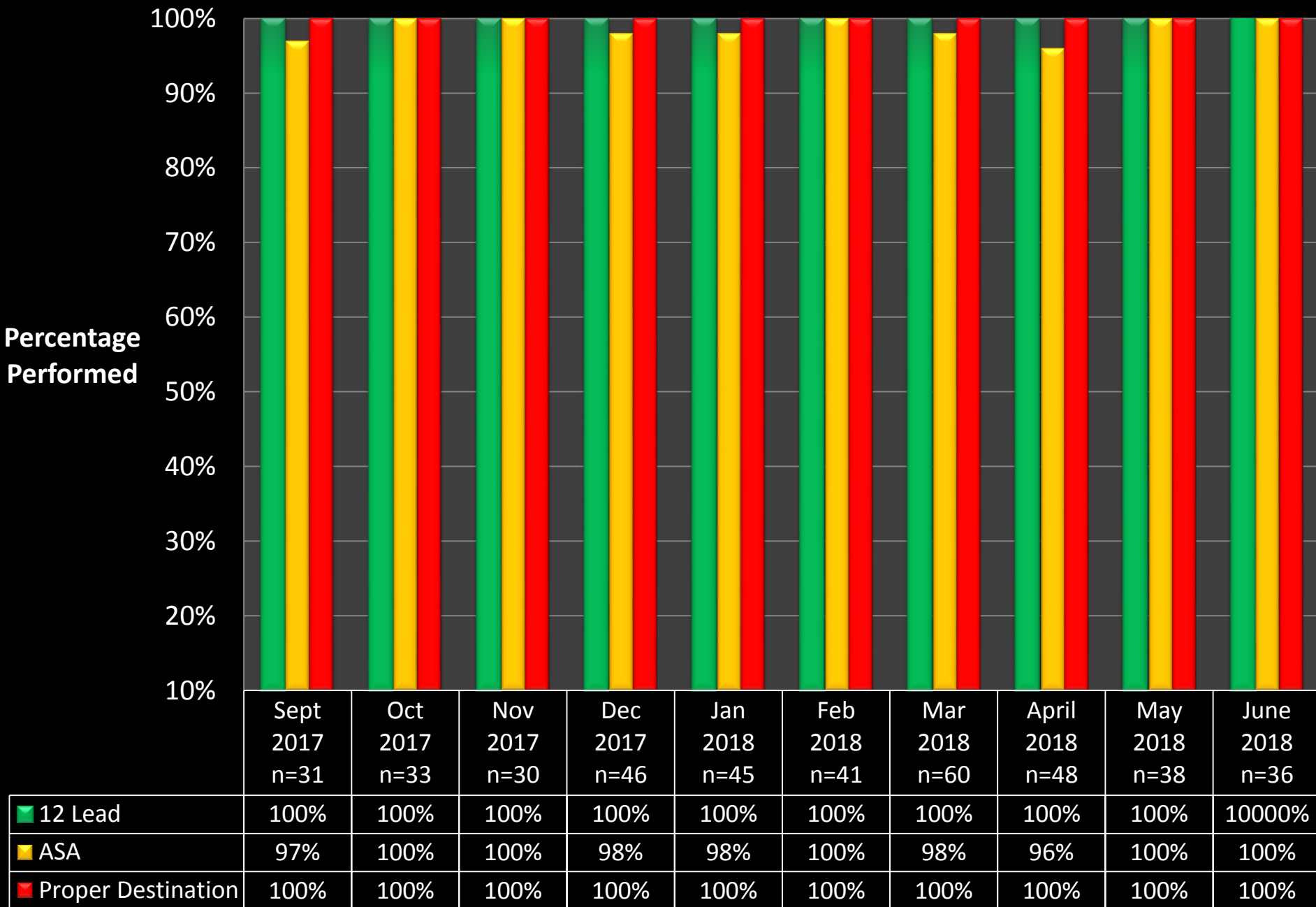
Care



Mean Time for Patients with Confirmed STEMI; Combined for All Hospitals



Patients Transported by EMS with Suspected or Confirmed STEMI



STEMI Over Triage

2st Quarter 2018

Category	Total From Hospitals	Final Disposition = Triage Correctly	Final Disposition = Over Triage
ED EKG Does Not Meet STEMI Criteria	18	15	3
ST Elevation Resolved	2	2	0
EKG Unchanged from Previous EKG	7	7	0
STEMI Imposter (LVH, J Point Elev., Etc)	9	9	0

3% Over triage Rate

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Wake EMS
Chest Pain Patient Age>35 Who Had ASA Administered

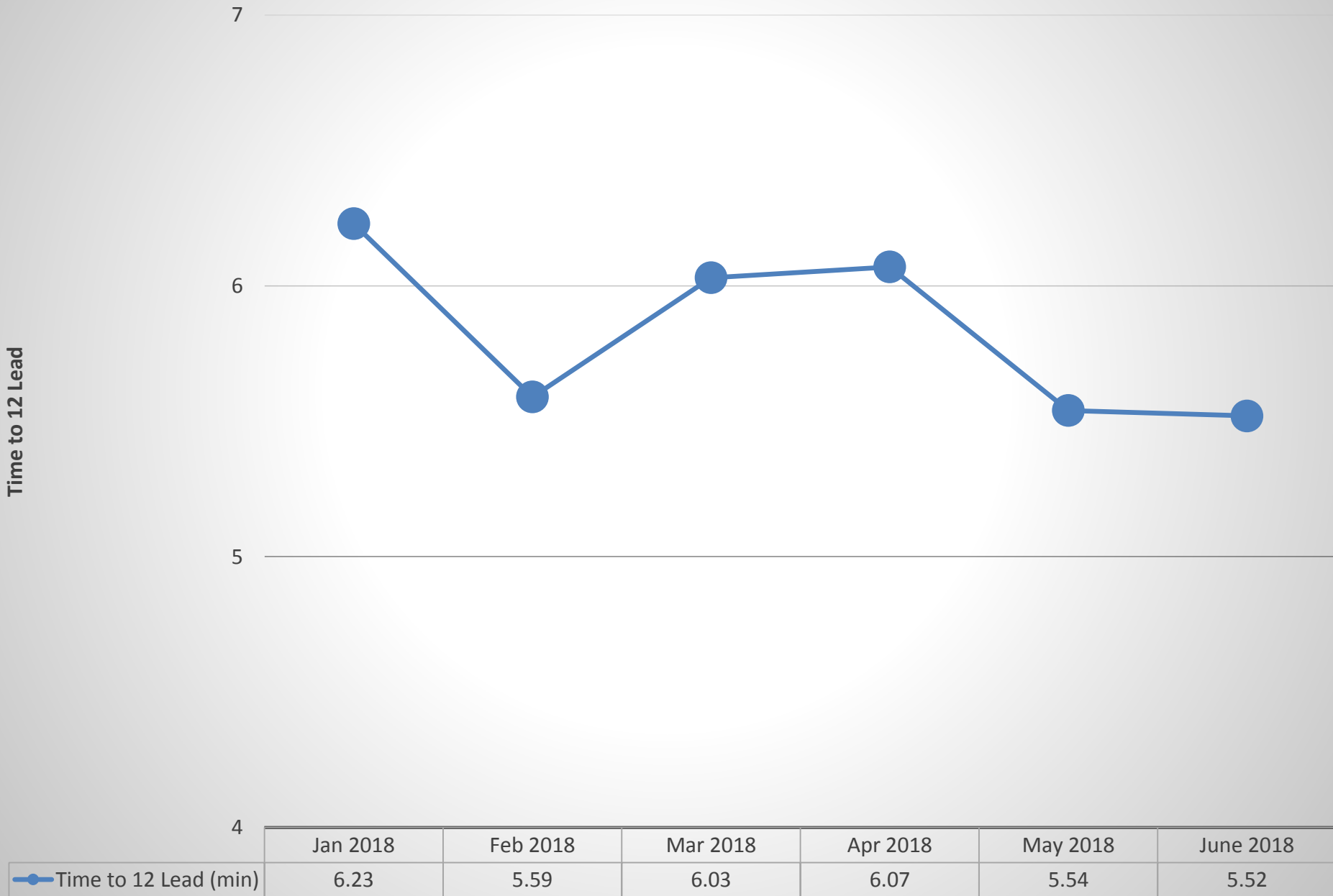


Percent Administered

	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	June 2018
ASA Administered	78%	83%	85%	83%	84%	86%

Wake EMS

Chest Pain Patient Contact to 12lead Time in Minutes



Stroke

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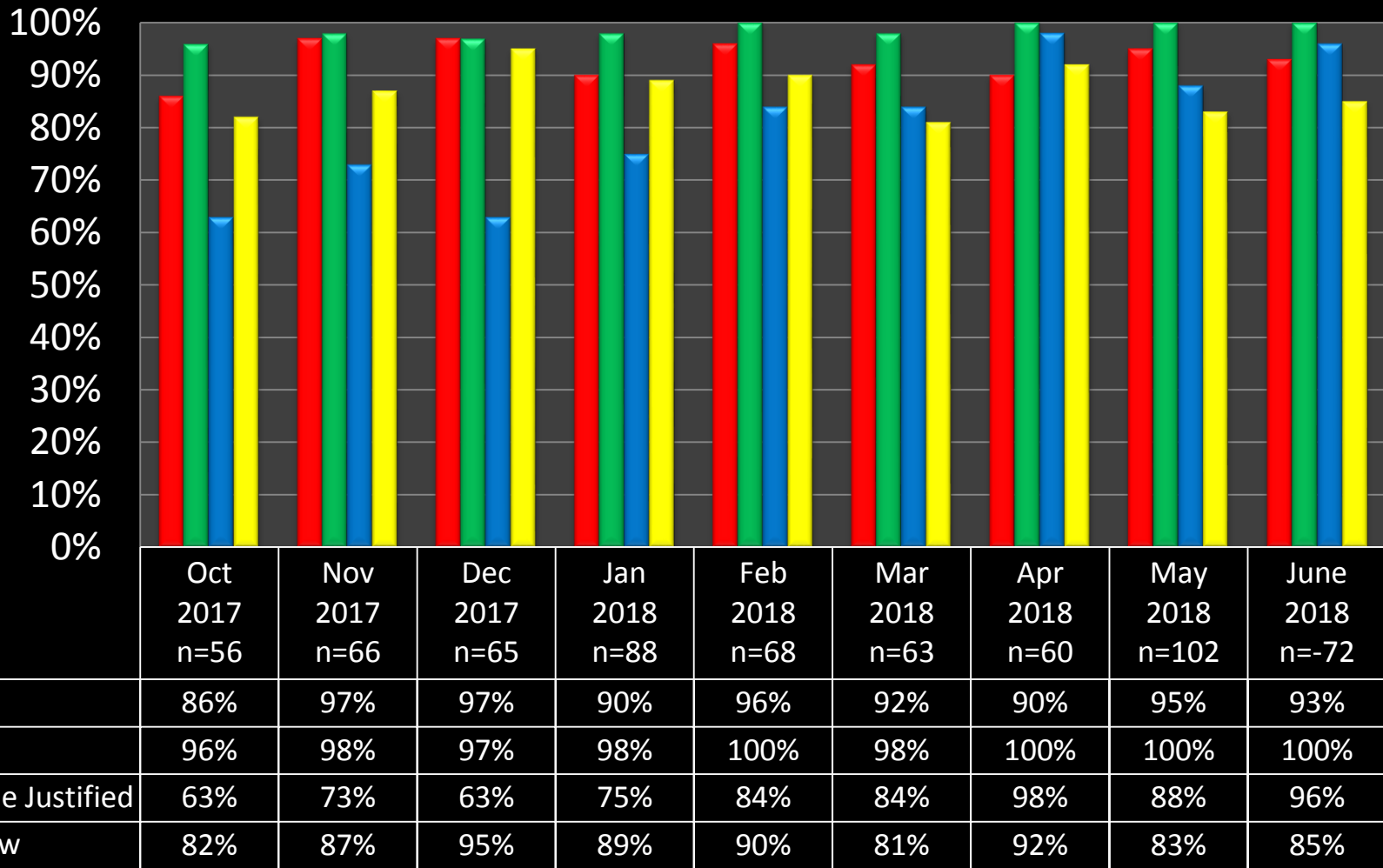
Care



EMS Stroke Evidence Based Medicine Measures

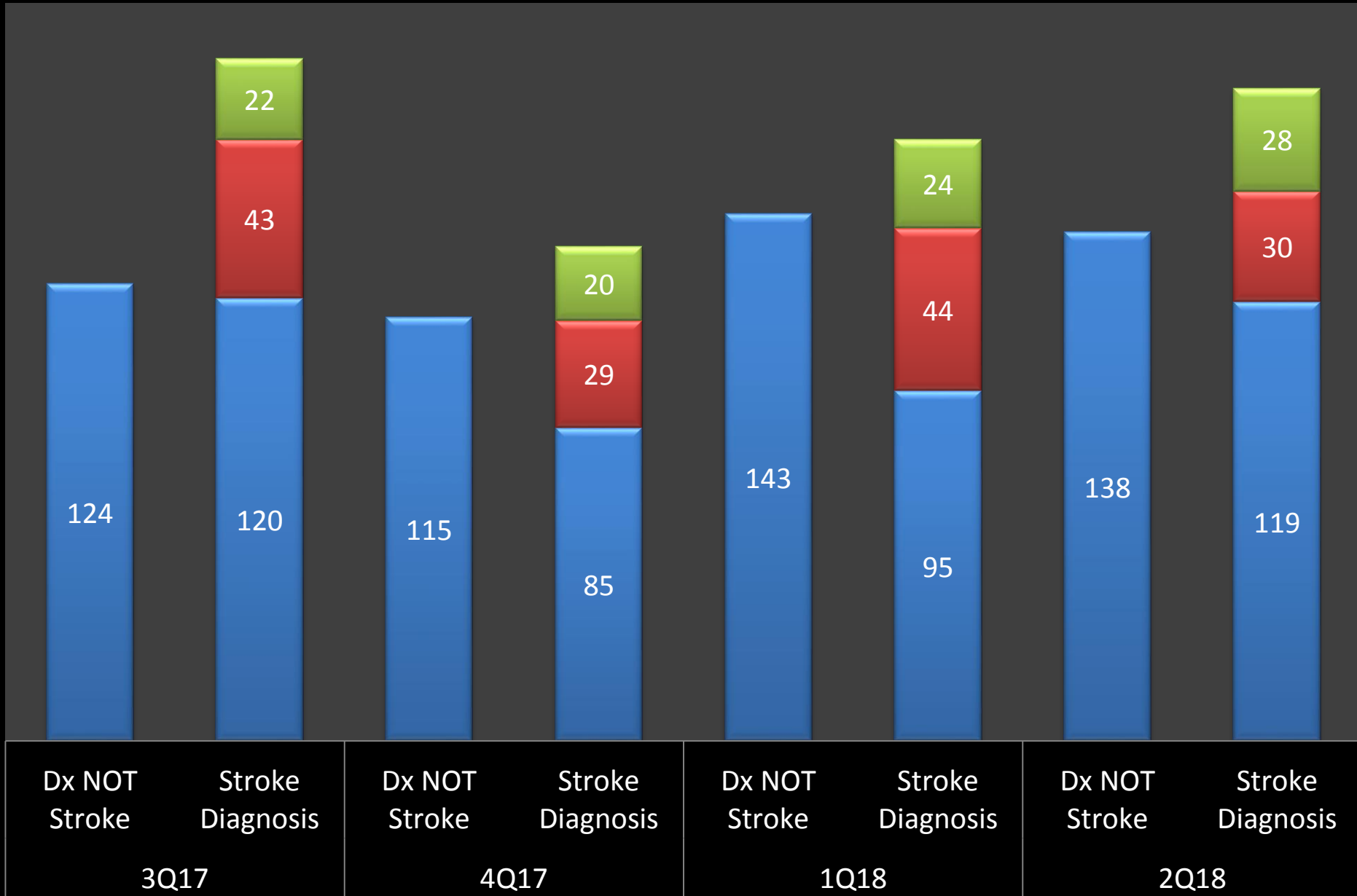
Patients Transported by EMS with Suspected or Confirmed Stroke

Percentage
Performed

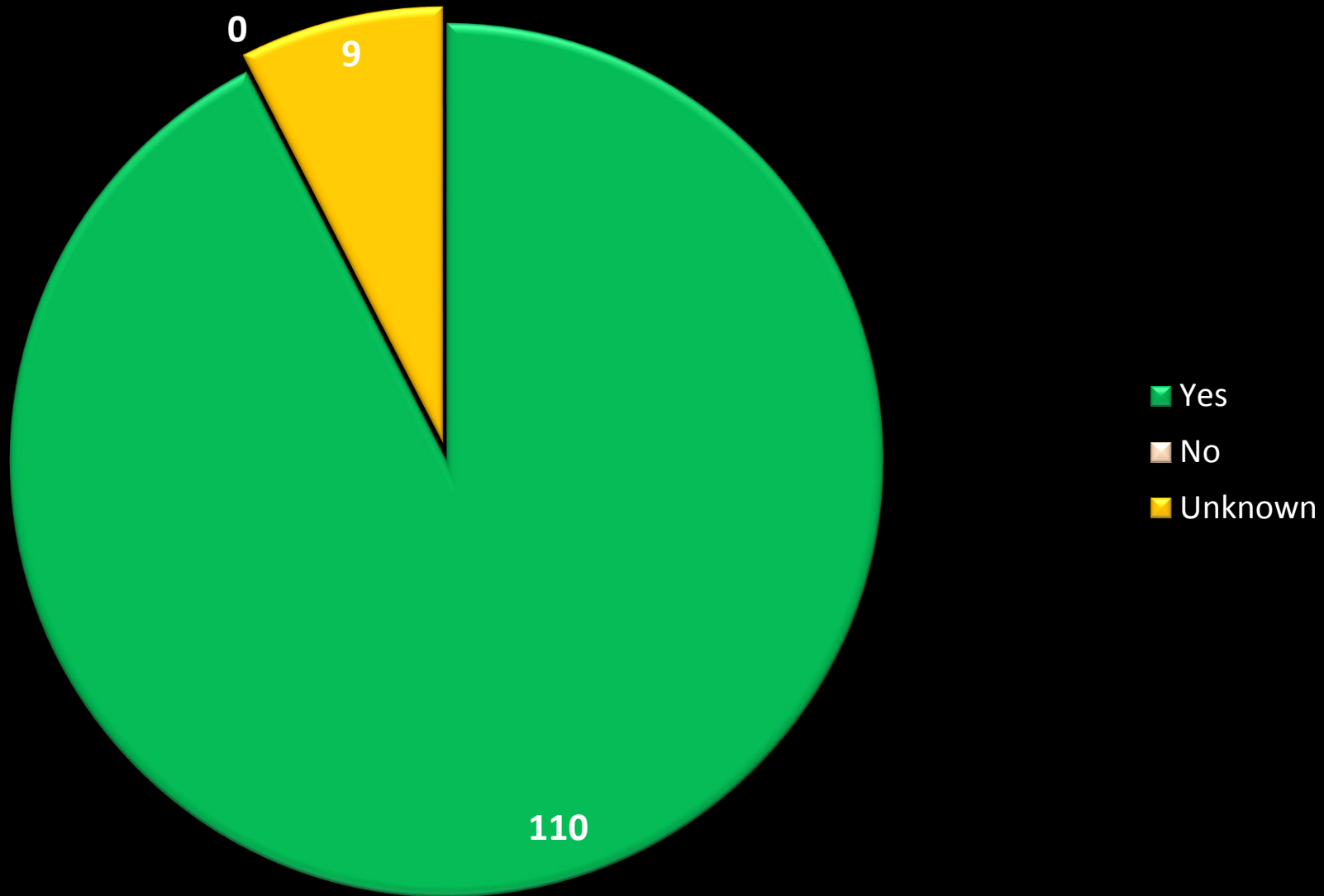


Code Strokes by EMS taken to Wake County Hospitals

■ No TPA Given ■ TPA Given ■ ICH

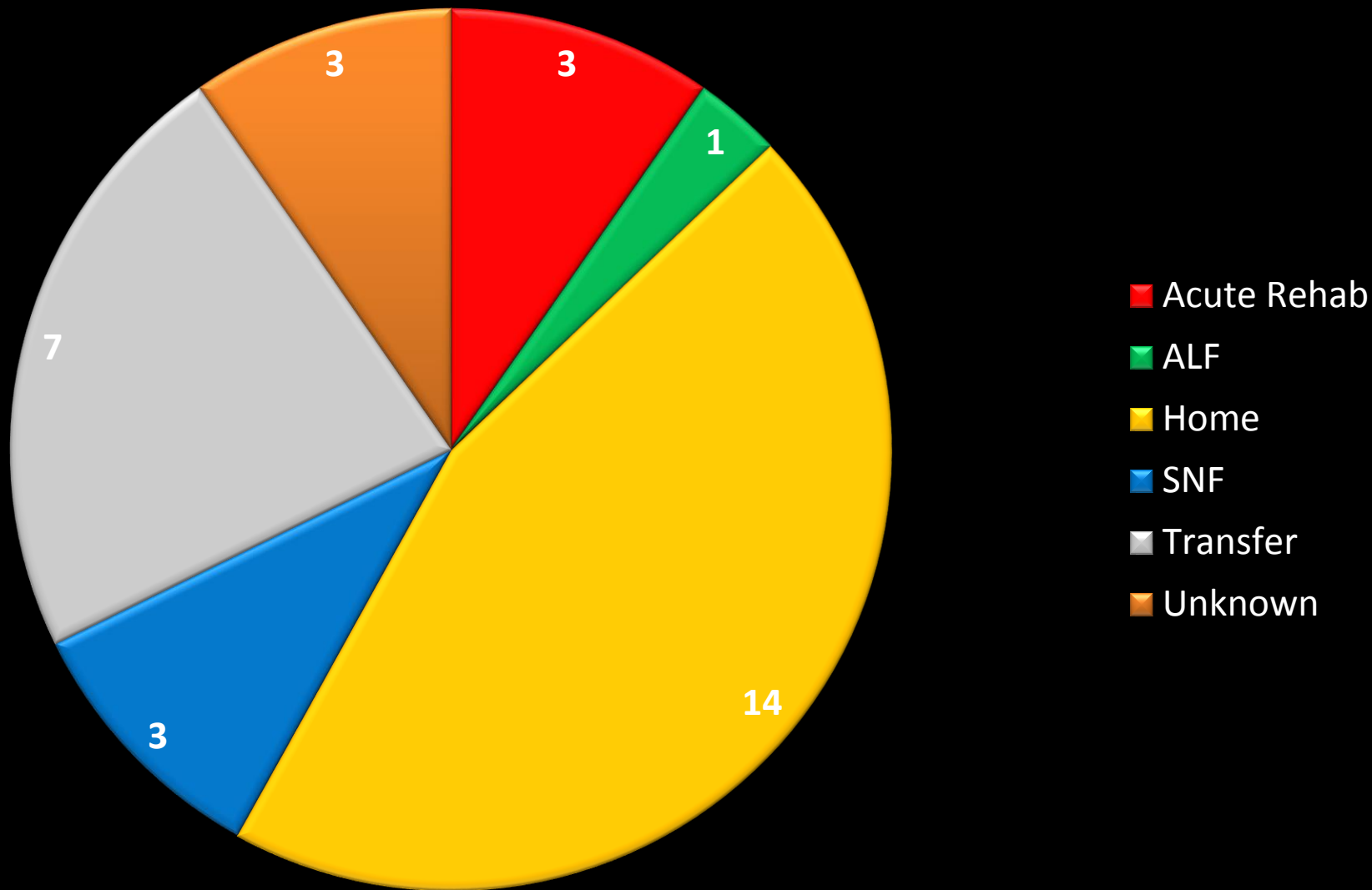


All Hospitals 2nd Qtr 2018
Hospital DCDx Stroke that did not Receive tPA or Intervention

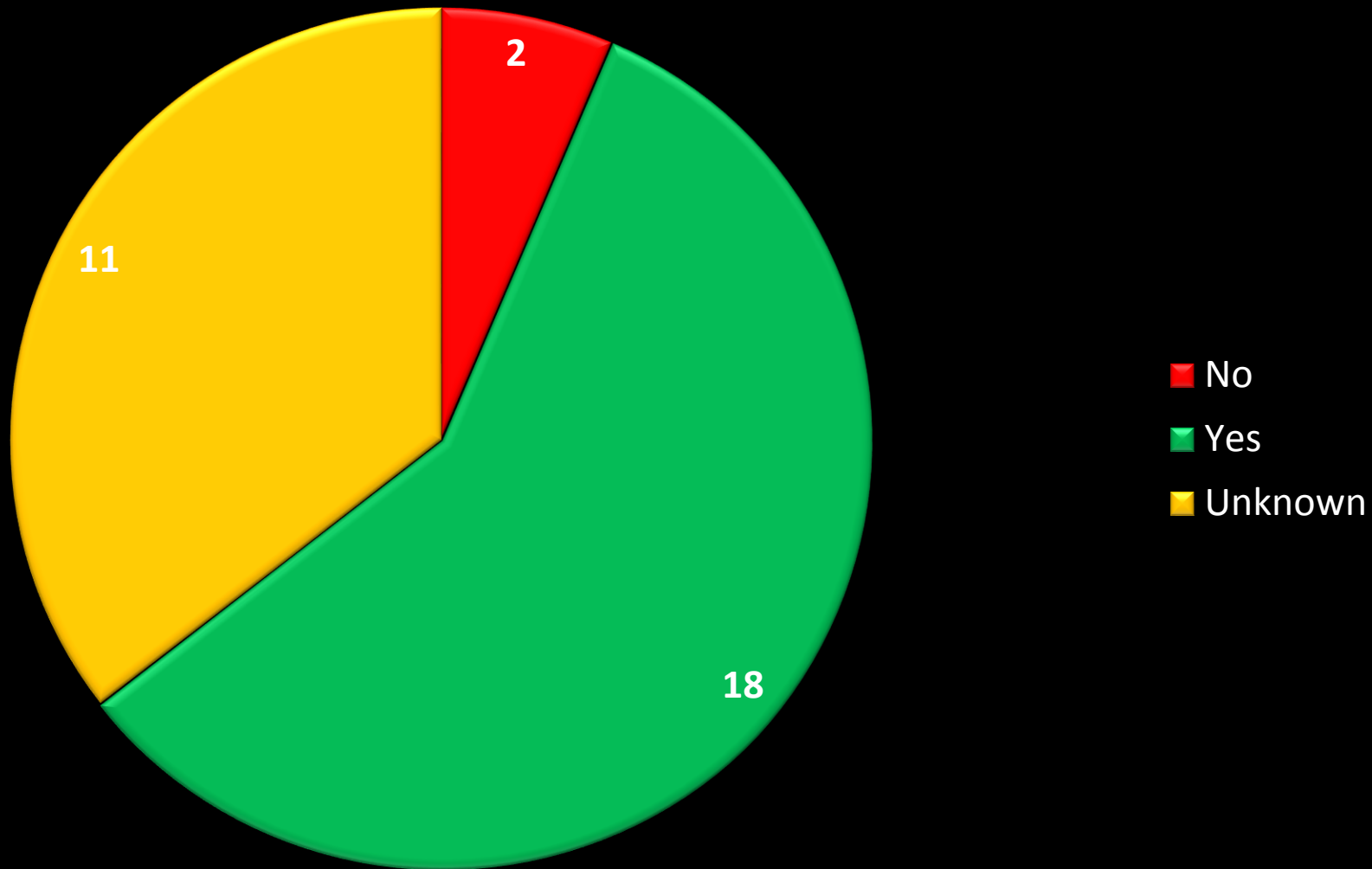


All Hospitals 2nd Qtr 2018

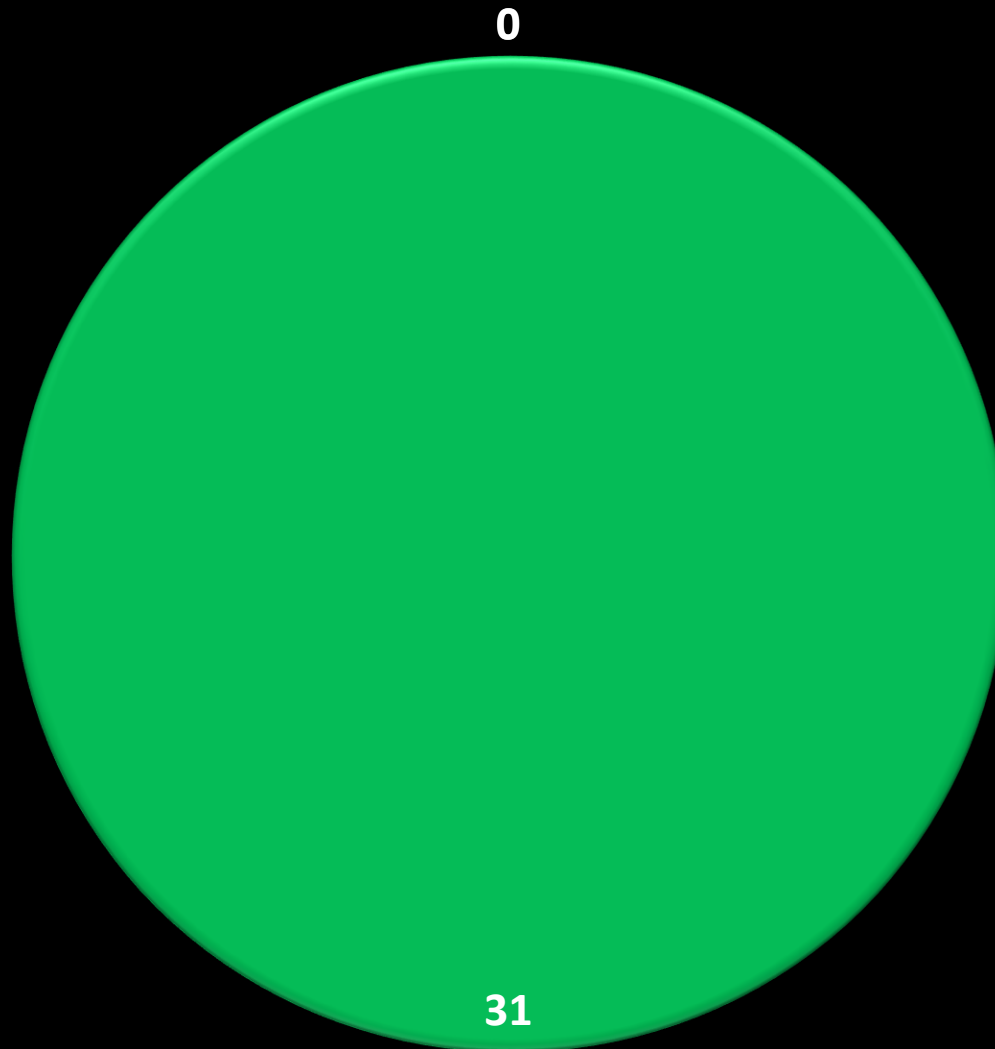
Outcomes for Wake EMS Stroke Patients who Received tPA



All Hospitals 2nd Qtr 2018
Wake EMS Stroke Patients who Received tPA
Symptom Improvement



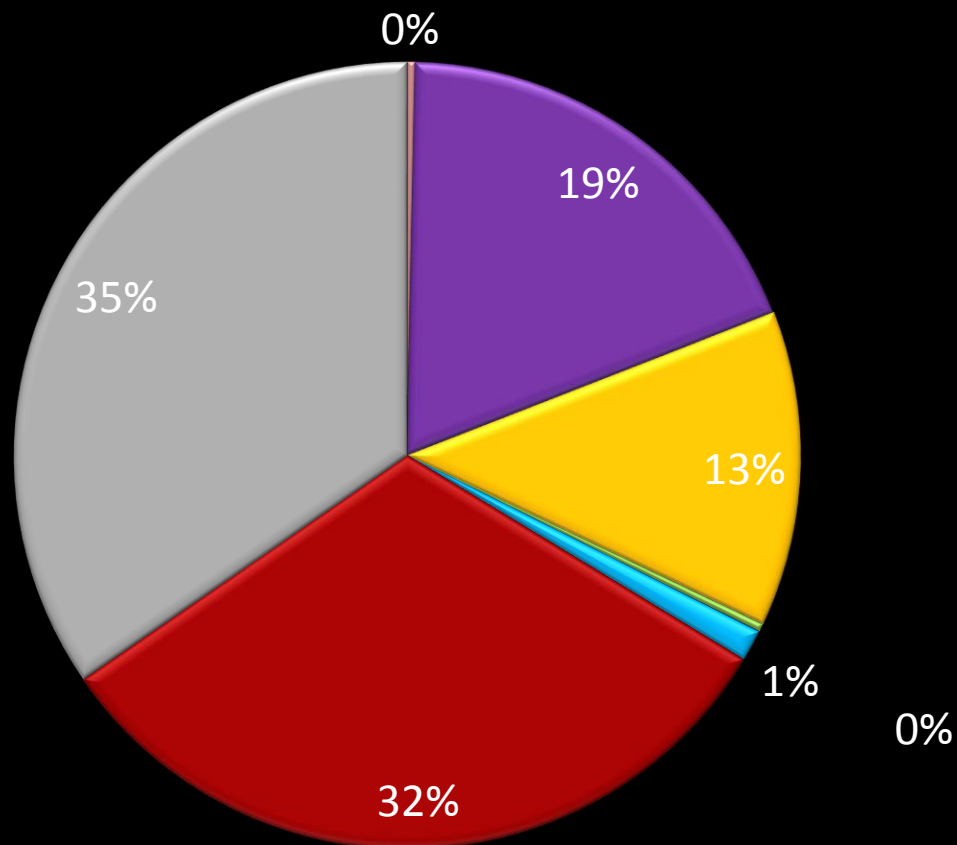
All Hospitals 2nd Qtr 2018
Wake EMS Stroke Patients who Received tPA
ICH Post Administration



- No
- Yes
- Unknown

Destination for Wake EMS Patients with Suspected or Confirmed Stroke 2nd Qtr 2018

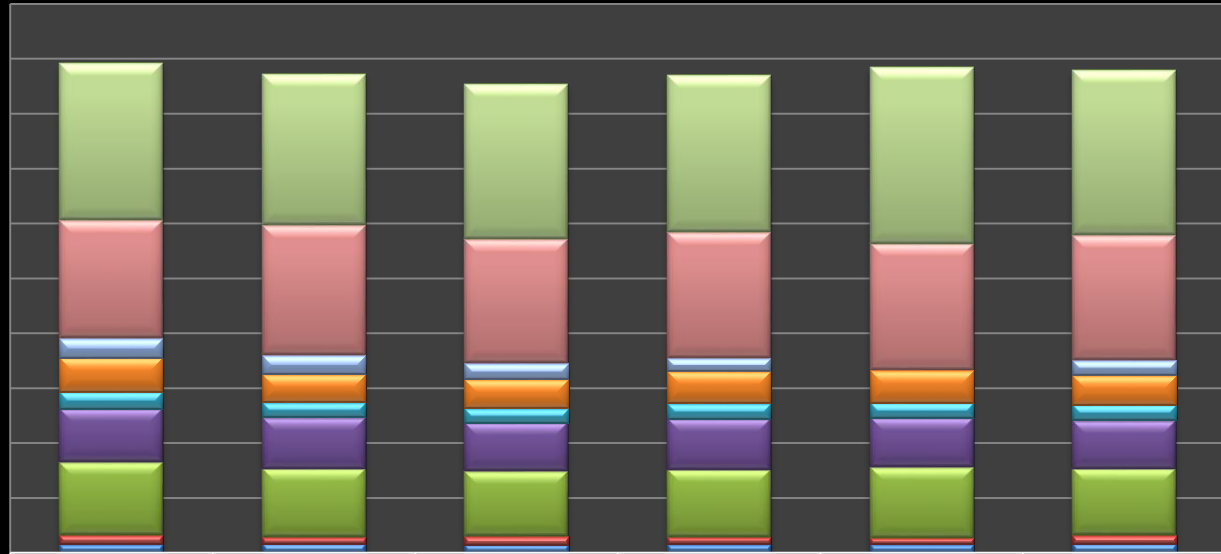
- Brier Creek Healthplex-WakeMed
- Cary- WakeMed
- Duke Raleigh Hospital
- Garner Healthplex WakeMed
- North- WakeMed
- Rex Healthcare
- WakeMed Main



Total Transports for the System

Number of Transports

20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0



	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18
WakeMed Main	5739	5502	5653	5731	6404	6008
Rex Healthcare	4296	4731	4523	4568	4623	4553
Pediatric ED WakeMed	684	685	579	473		529
North- WakeMed	1252	1028	1051	1160	1169	1091
Garner Healthplex WakeMed	616	536	533	567	545	560
Duke Raleigh Hospital	1962	1886	1788	1865	1804	1771
Cary- WakeMed	2662	2493	2367	2473	2579	2439
Brier Creek Healthplex- WakeMed	321	239	289	244	238	291
Apex Healthplex- WakeMed	313	333	297	314	306	330

Trauma

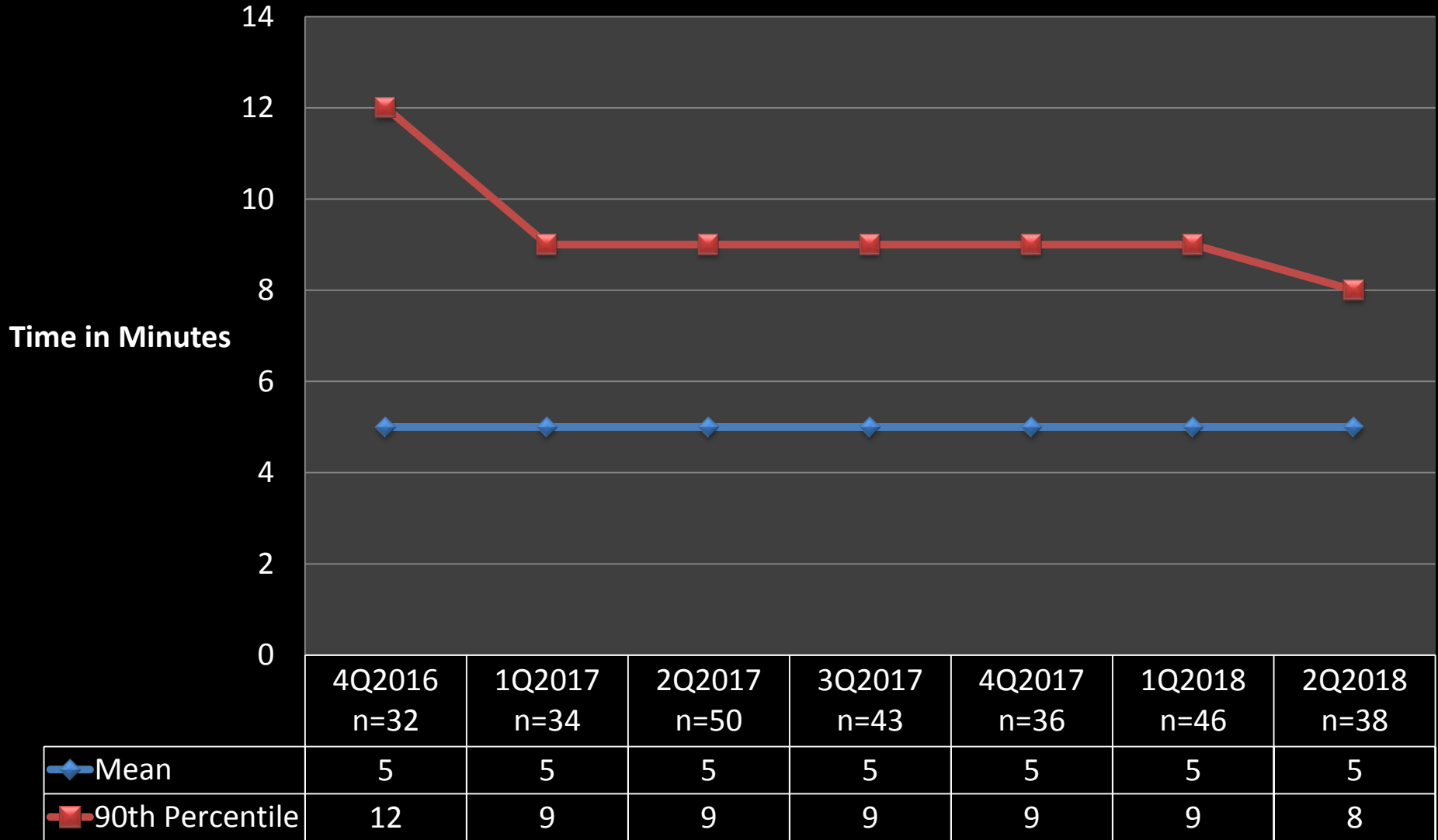
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Wake EMS System Penetrating Trauma Scene Times

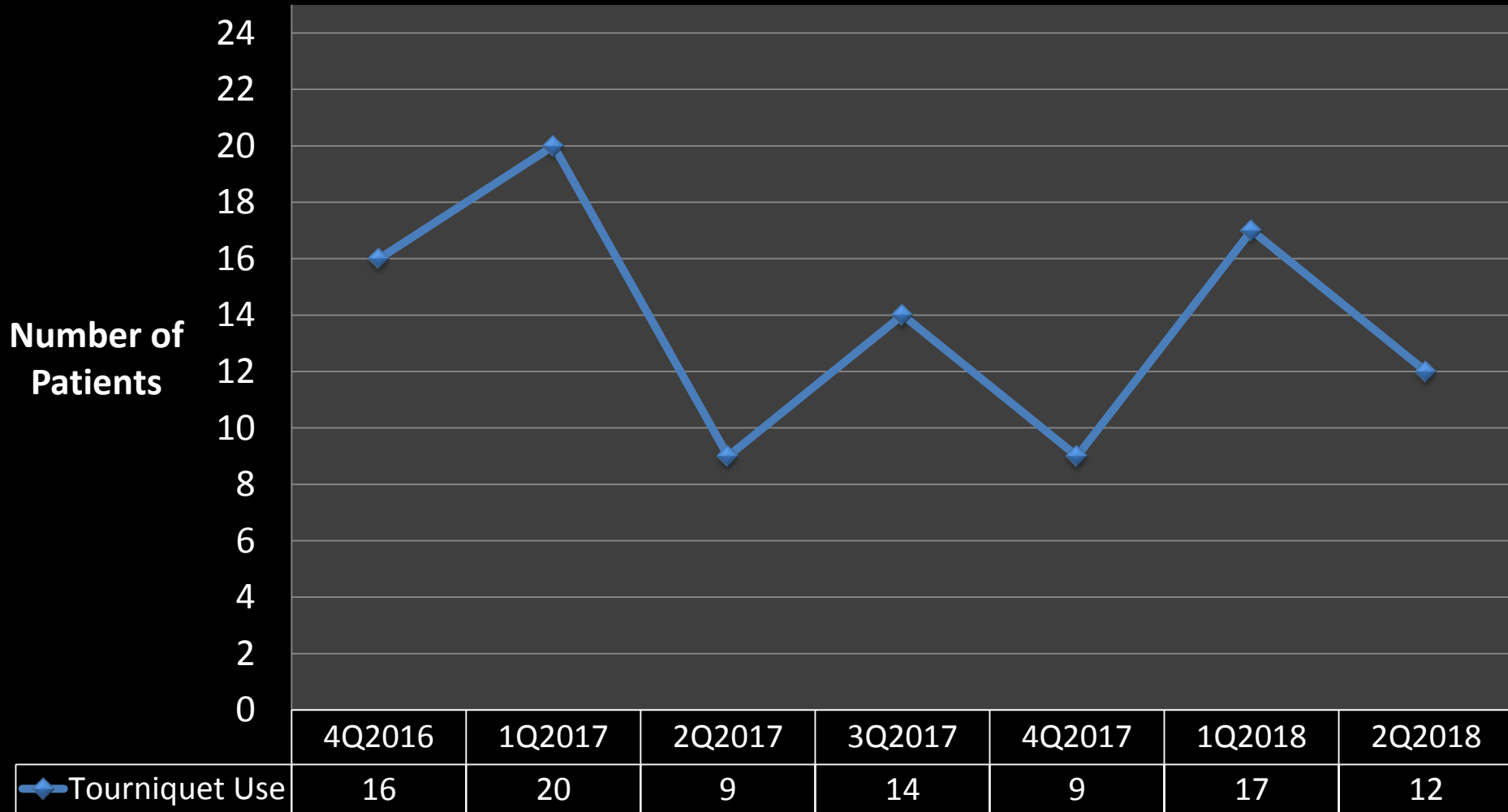


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Wake EMS System Tourniquet Use



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Cardiac Arrest

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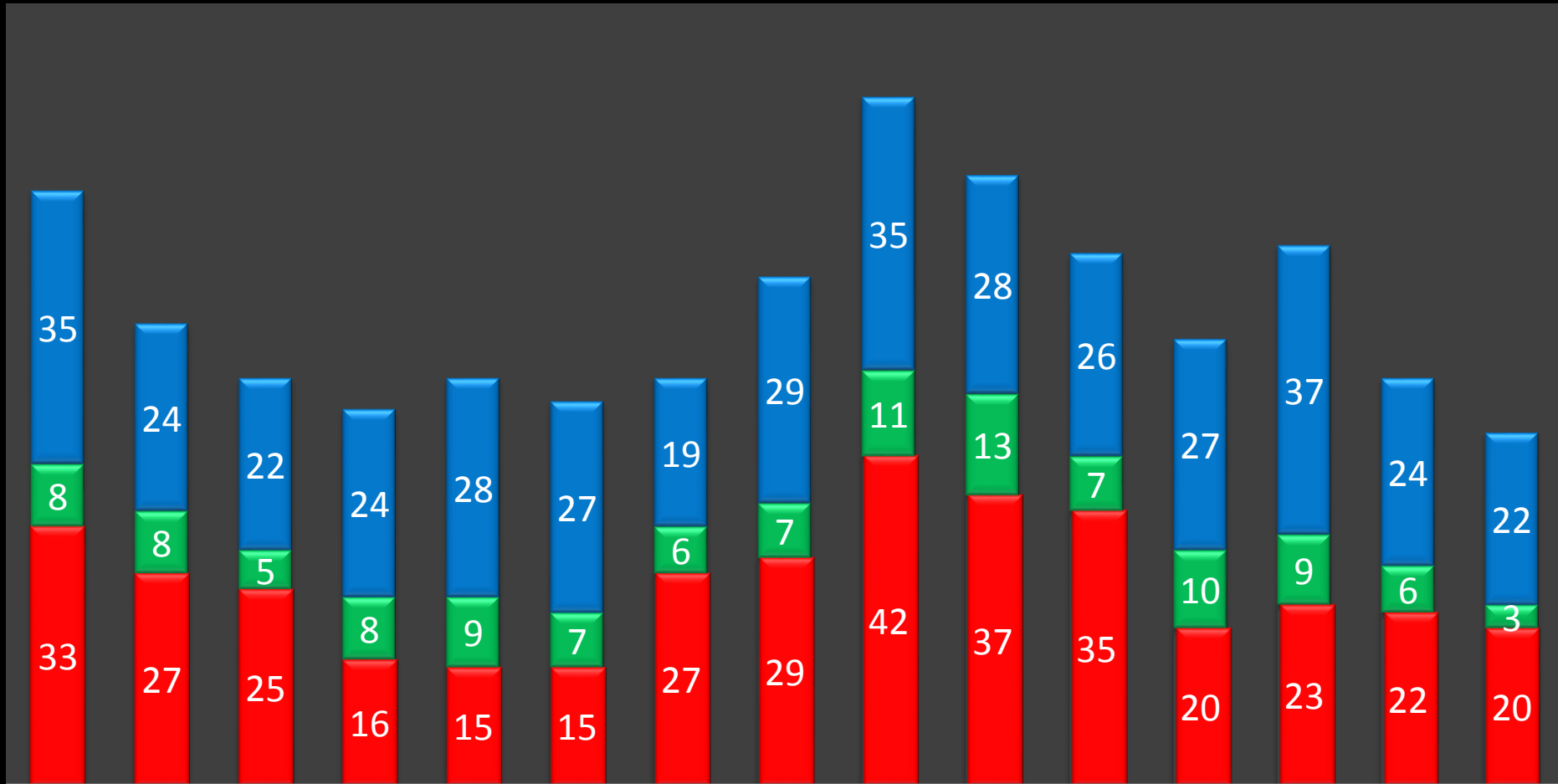


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Wake EMS Worked Cardiac Arrest

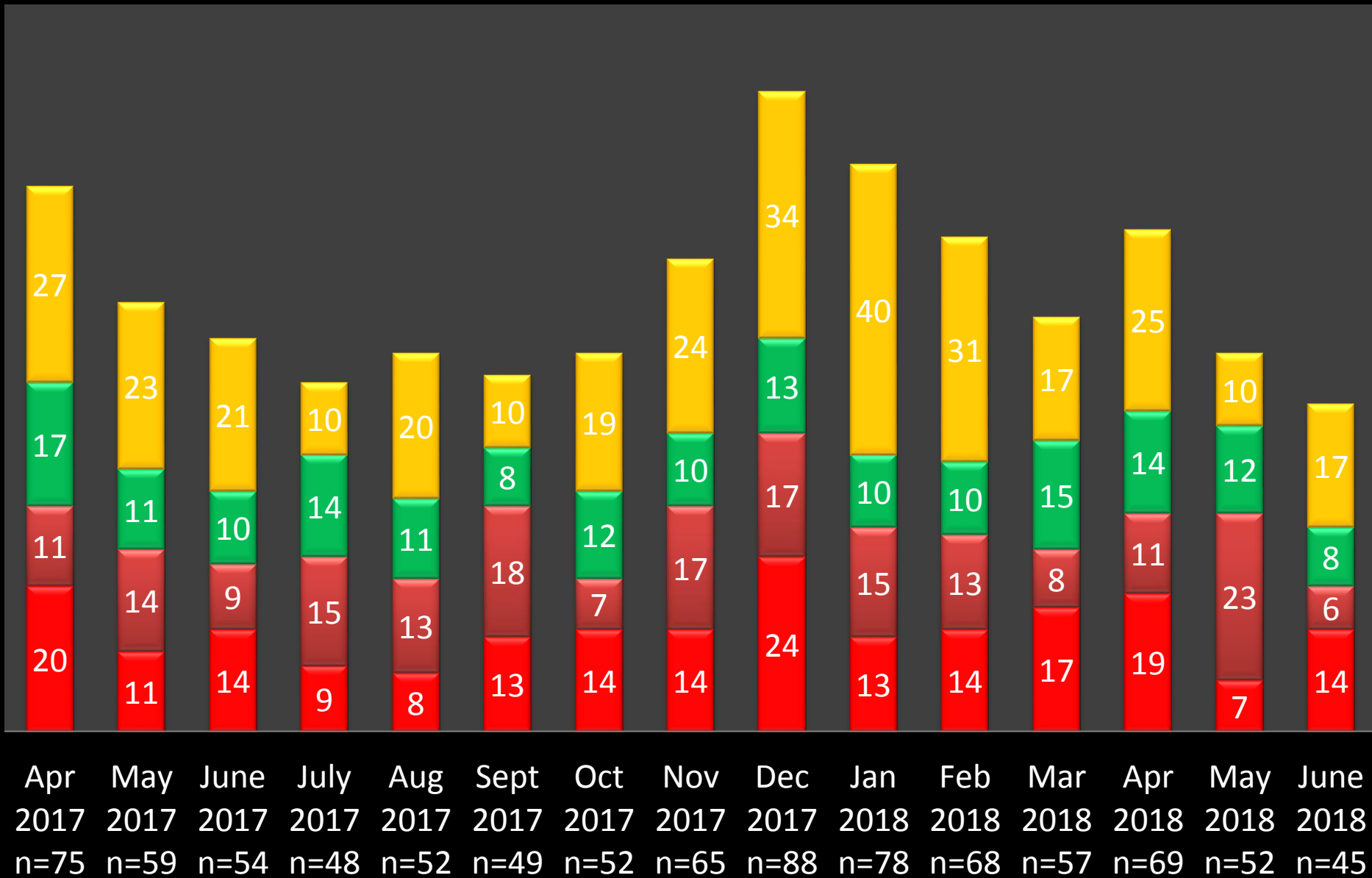
- Resuscitation Ceased in the Field
- Transport to Hospital with no ROSC
- Transport to Hospital with ROSC



Apr 2017 n=76 May 2017 n=59 June 2017 n=52 July 2017 n=48 Aug 2017 n=52 Sept 2017 n=49 Oct 2017 n=52 Nov 2017 n=65 Dec 2017 n=88 Jan 2018 n=78 Feb 2018 n=68 Mar 2018 n=57 April 2018 n=69 May 2018 n=52 June 2018 n=45

Cardiac Arrest Initial Rhythm

■ Aystole ■ PEA ■ VF/VT ■ Unknown Unshockable



Respiratory Distress

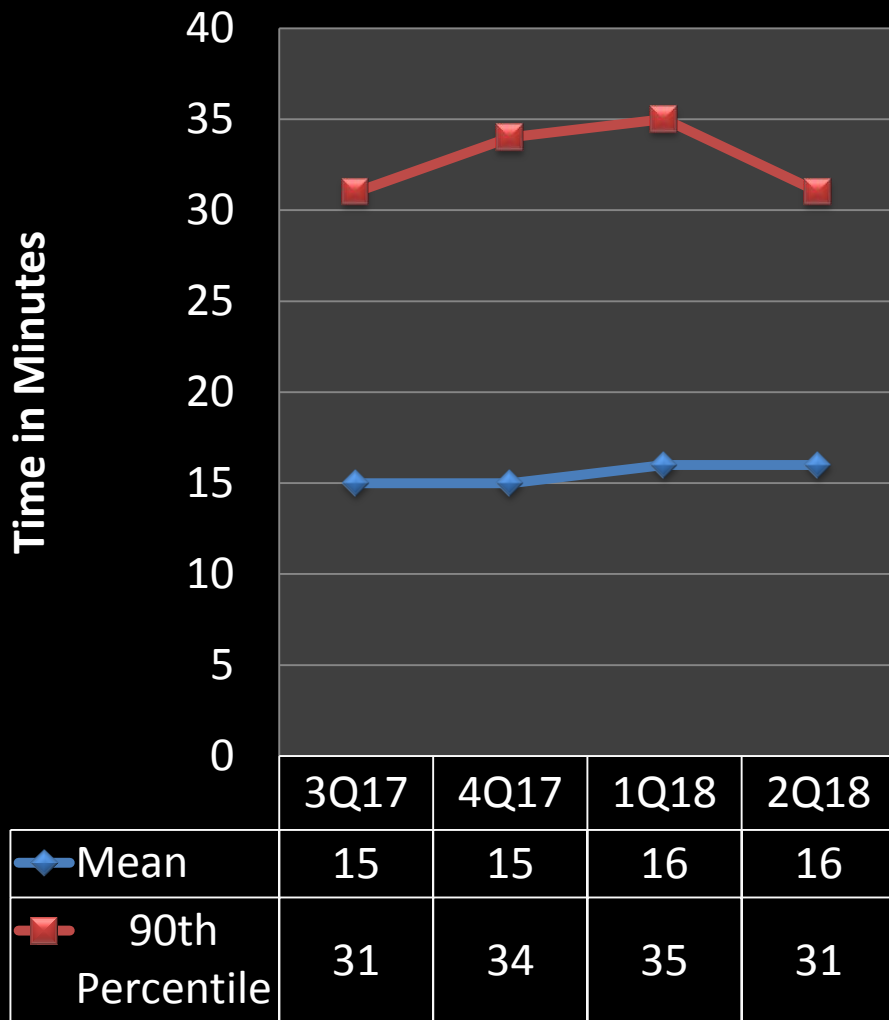
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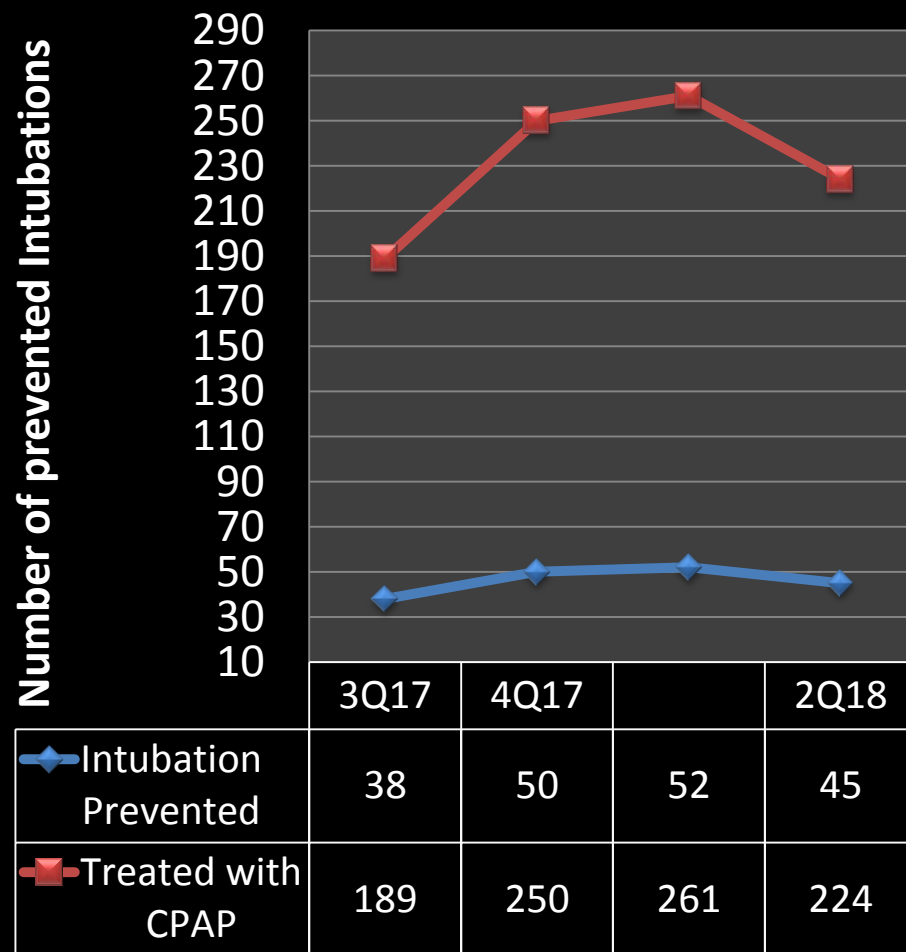
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Wake EMS System CPAP Application Time



Wake EMS System Intubation Prevented with CPAP



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Miscellaneous Reports

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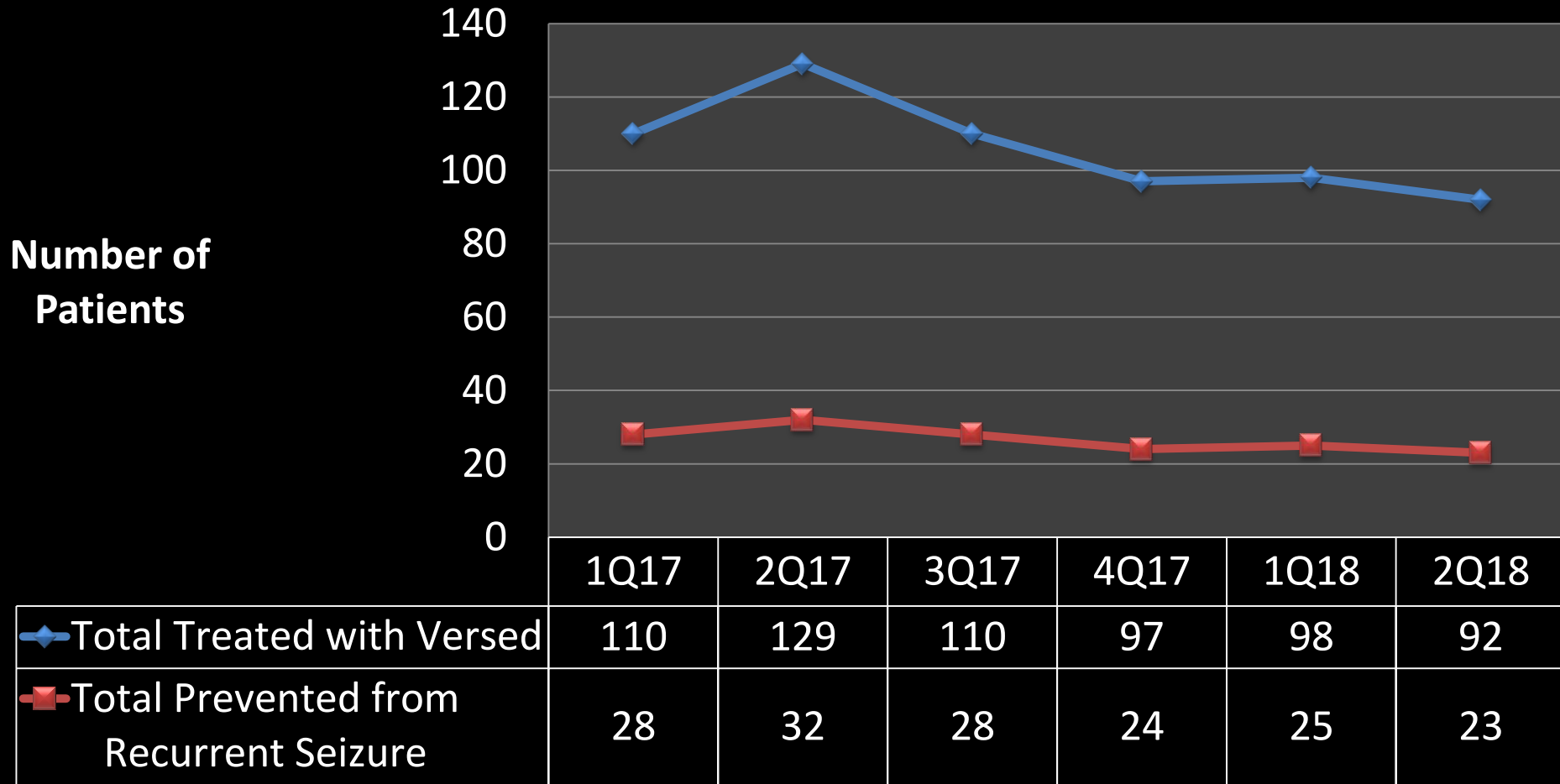


Care



Wake EMS System

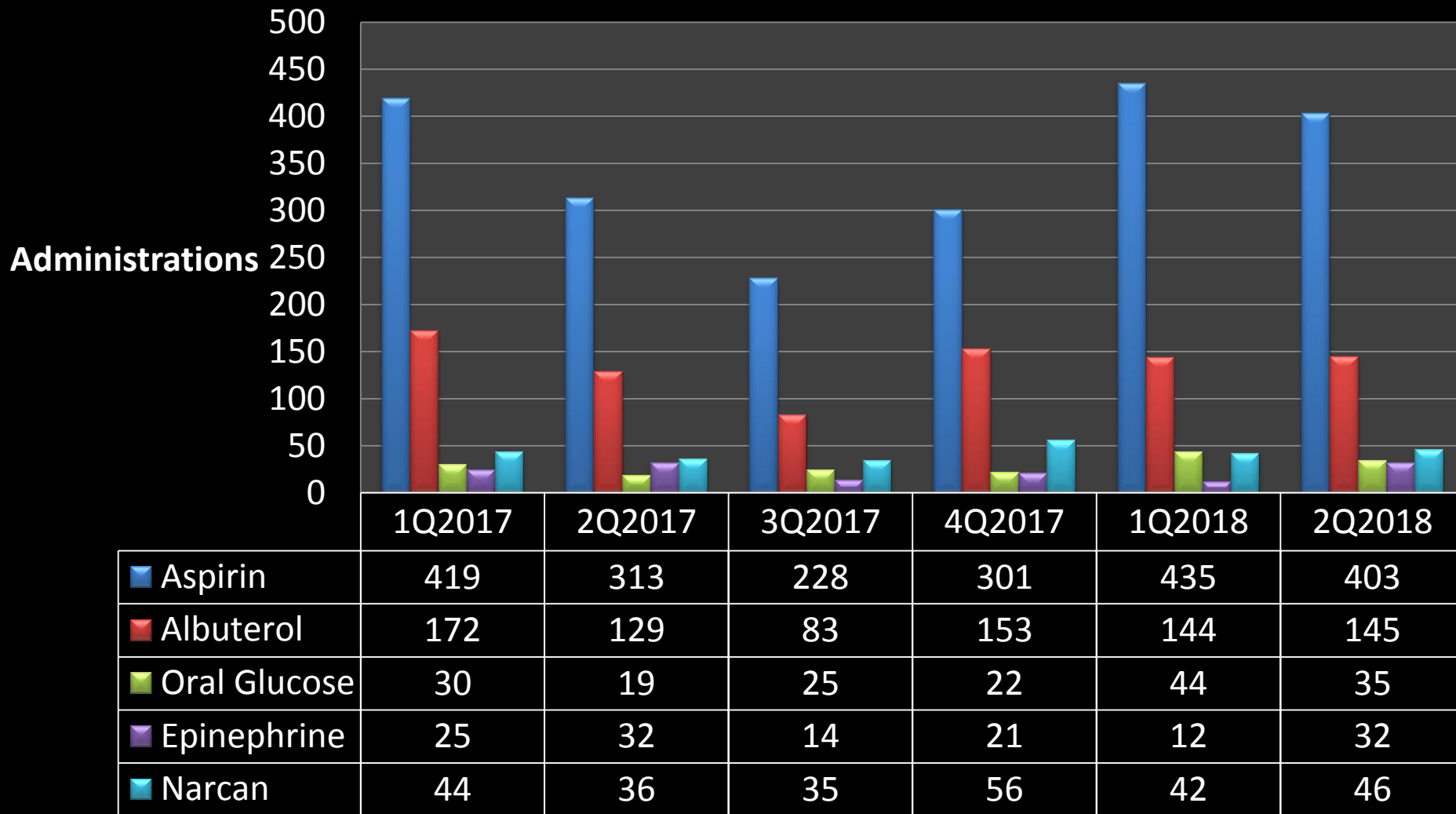
Seizure Patients Treated with Versed



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Medications Administered by First Responders – Derived from EMS Documentation



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Psychiatric and OD calls not evaluated by APP 2nd Qtr 2018

- 1300 Overdose and Psychiatric calls
- 1175 Had an APP dispatched
- 780 Had an APP arrive and evaluate the patient

NOTE: There were 395 calls where the APP did not arrive on-scene. Multiple reasons exist for this, evaluation is ongoing.

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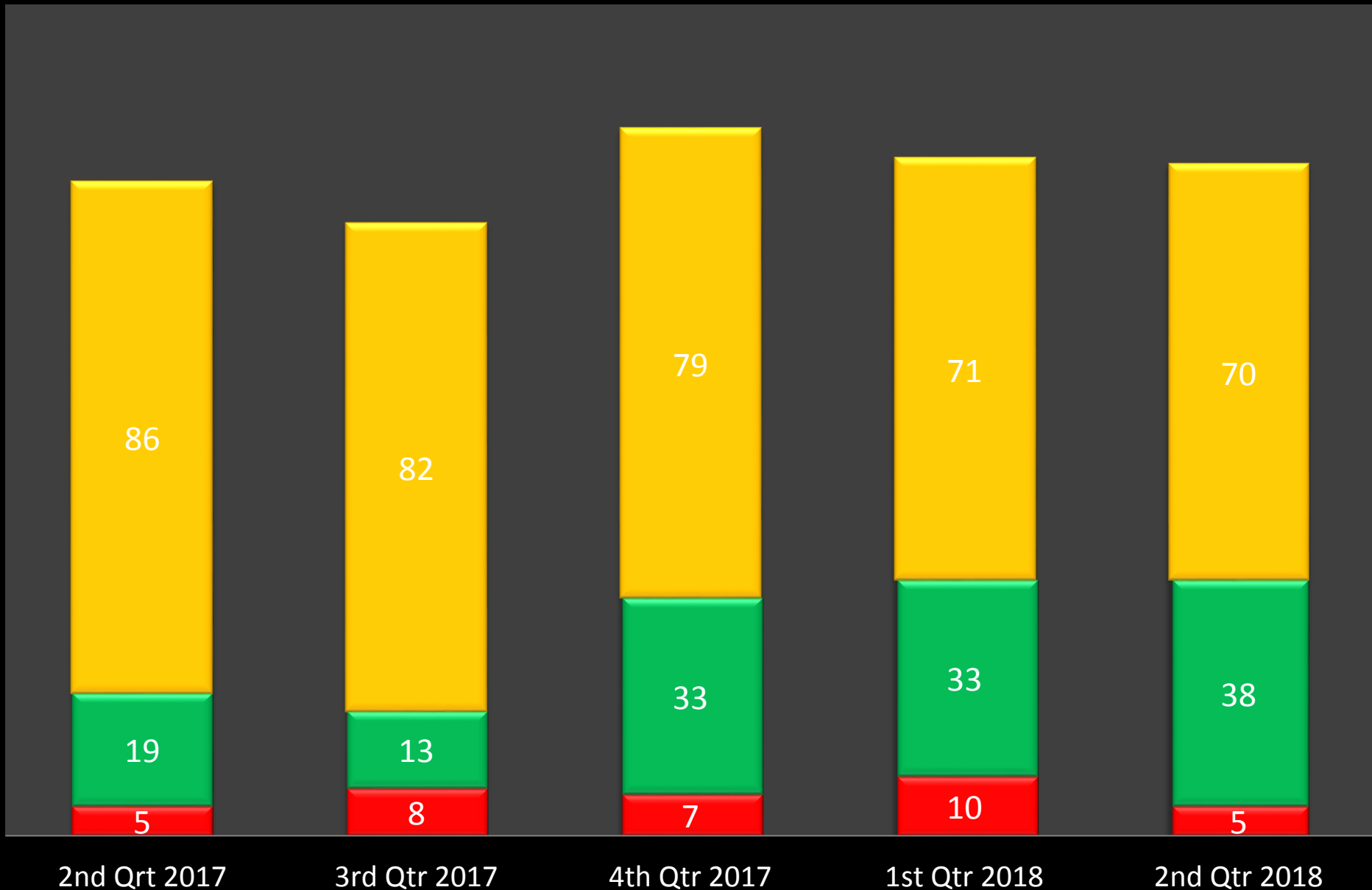


Reason for OMD Contact

Automatic Notification

Medical Control Order

Unusual Event



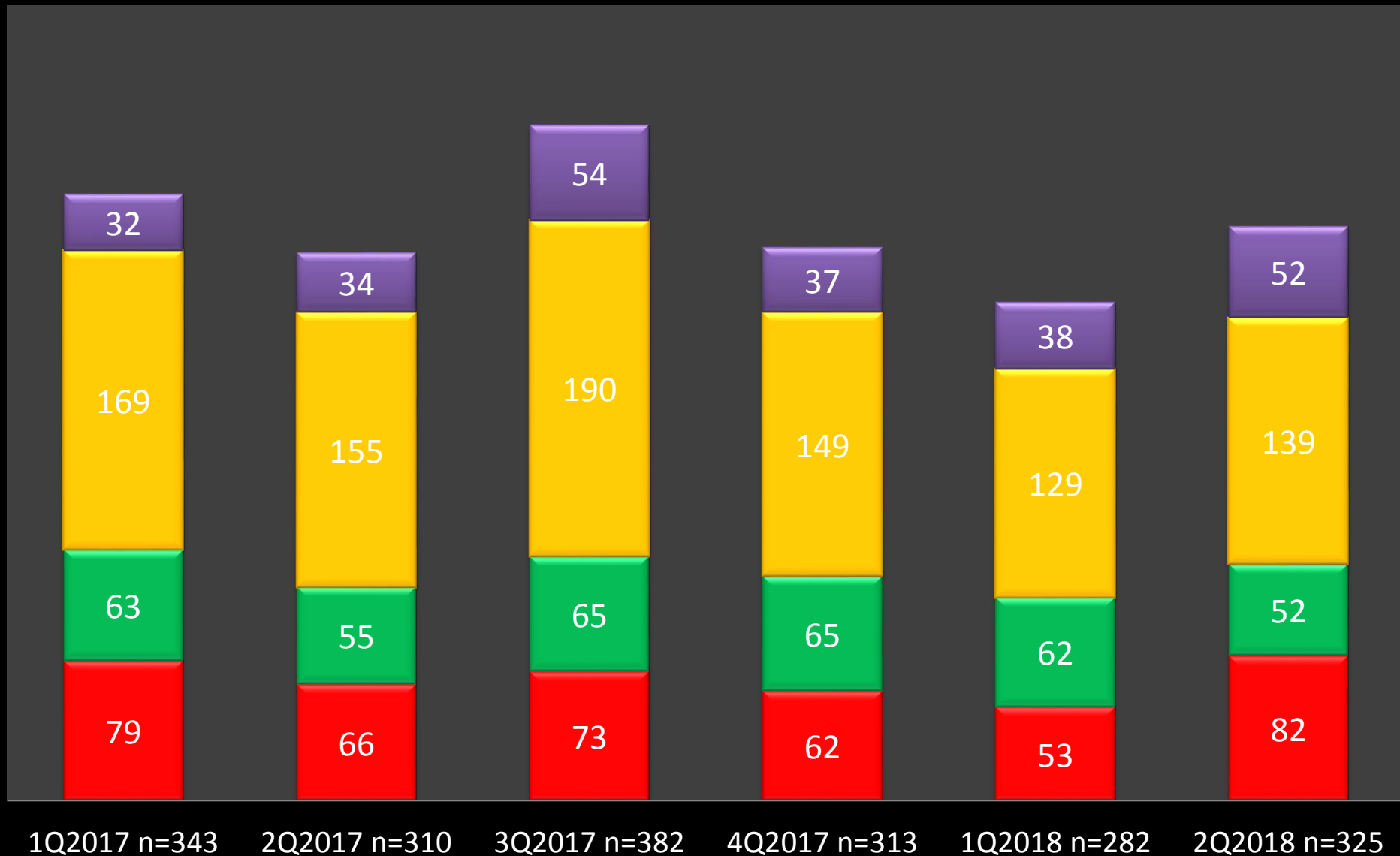
APP Alternate Destination

■ No Transport

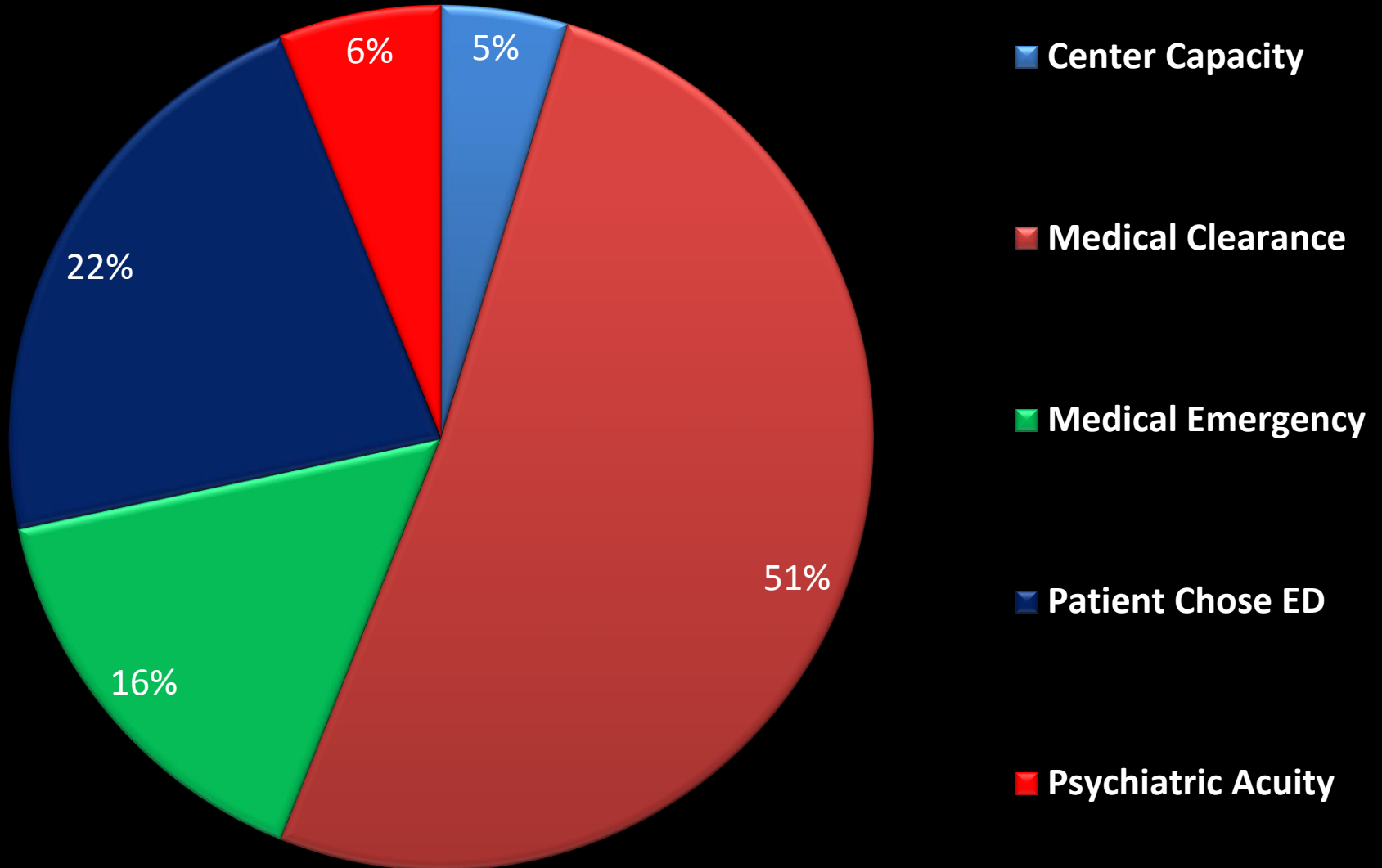
■ Transport to Alternative Location

■ Transport to ED

■ Transported to Psychiatric Hospital



2nd Quarter 2018 Alternate Destination Reason for ED Transport



Wake EMS System

APP Home Visits with CCWJC CHF Program

