

Wake EMS System Peer Review Clinical Data

2nd Quarter 2019

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



Care



STEMI

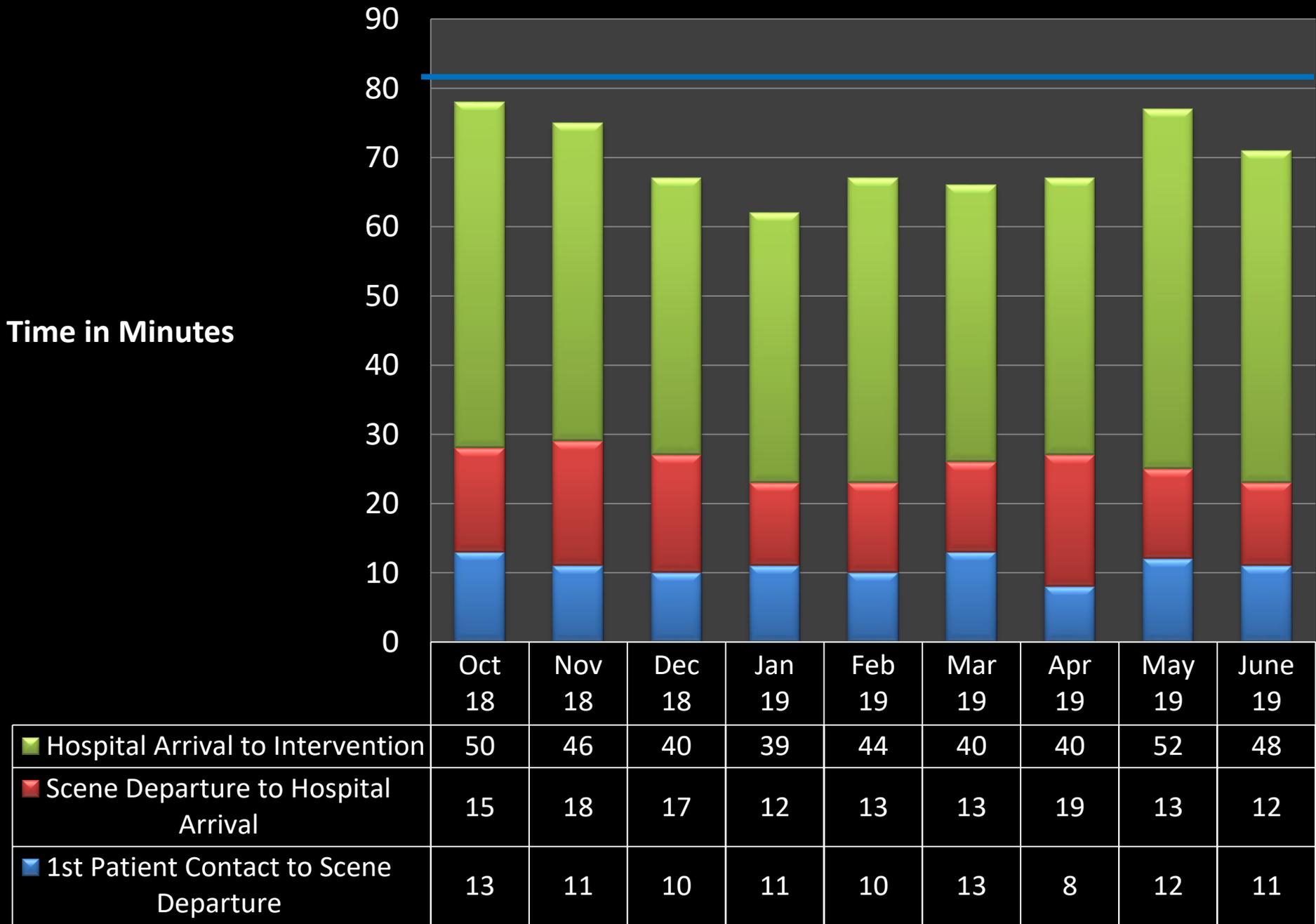
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Mean Time for Patients with Confirmed STEMI; Combined for All Hospitals



STEMI Over Triage 1st Quarter 2019

Category	Total From Hospitals	Final Disposition = Triage Correctly	Final Disposition = Over Triage
ED EKG Does Not Meet STEMI Criteria	7	7	0
ST Elevation Resolved	7	5	2
EKG Unchanged from Previous EKG	8	7	1
STEMI Imposter (LVH, J Point Elev., Etc)	18	13	5

7% Over triage Rate

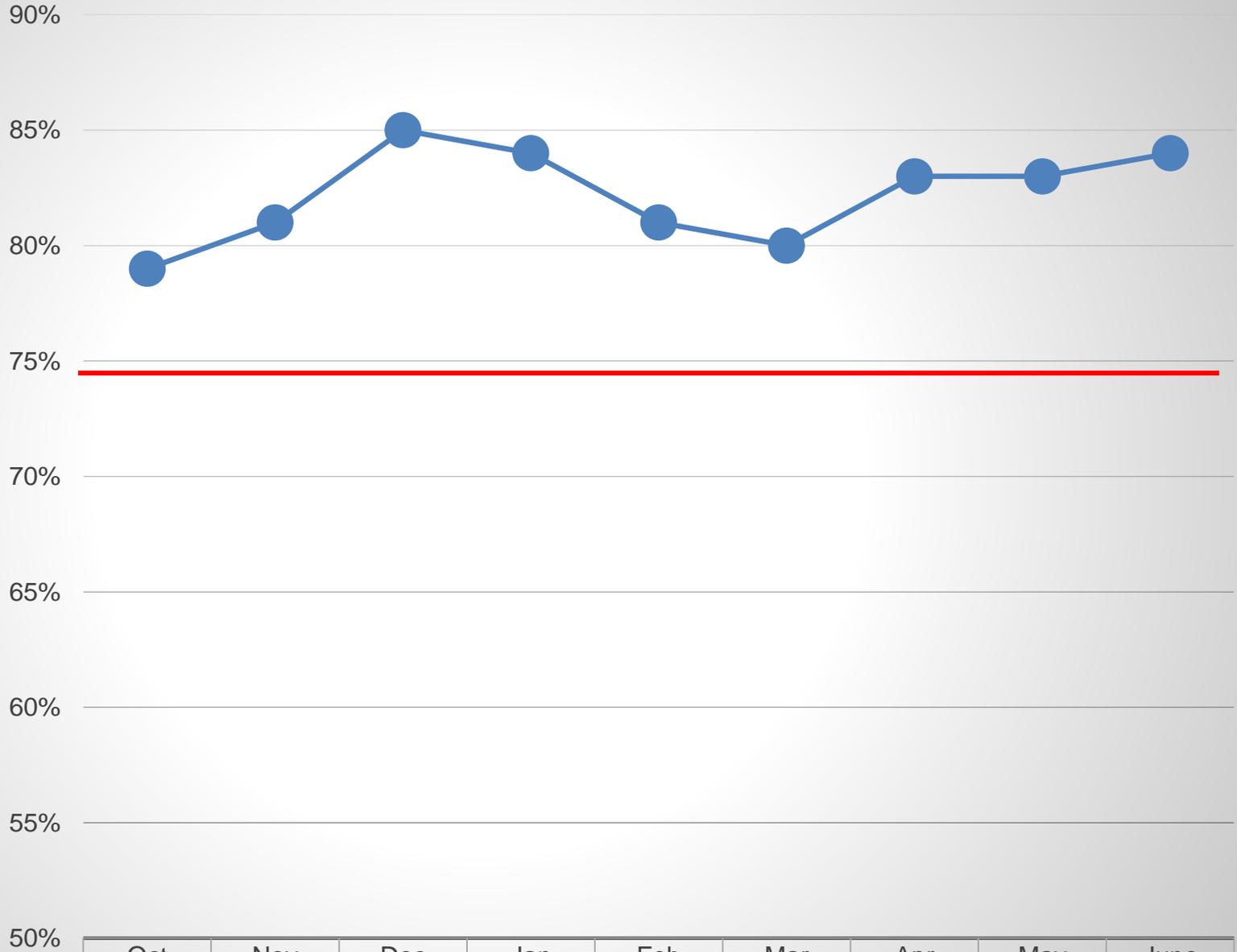
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Wake EMS Chest Pain Patient Age>35 Who Had ASA Administered



Percent Administered

ASA Administered

	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	June 2019
ASA Administered	79%	81%	85%	84%	81%	80%	83%	83%	84%

Stroke

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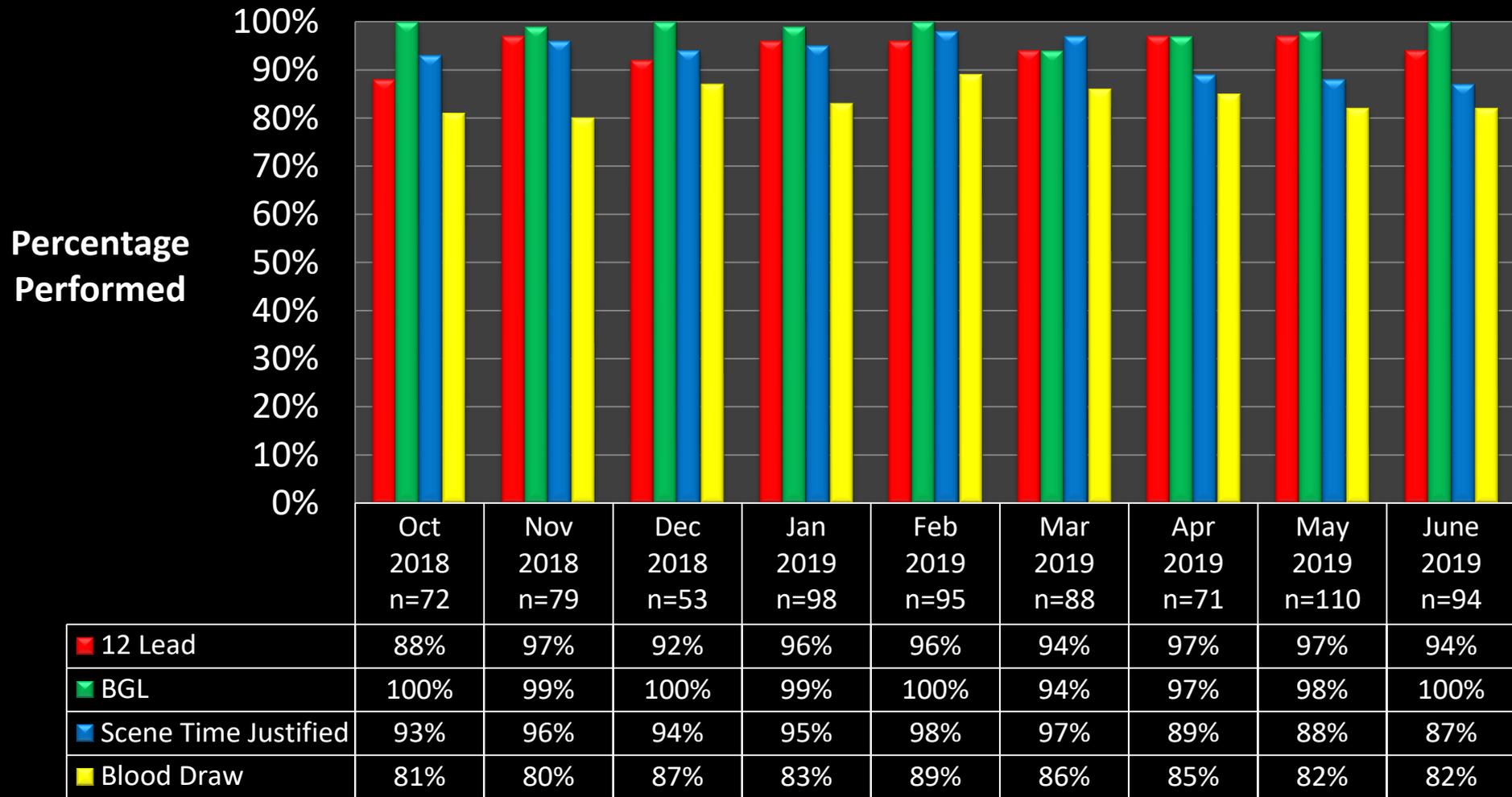


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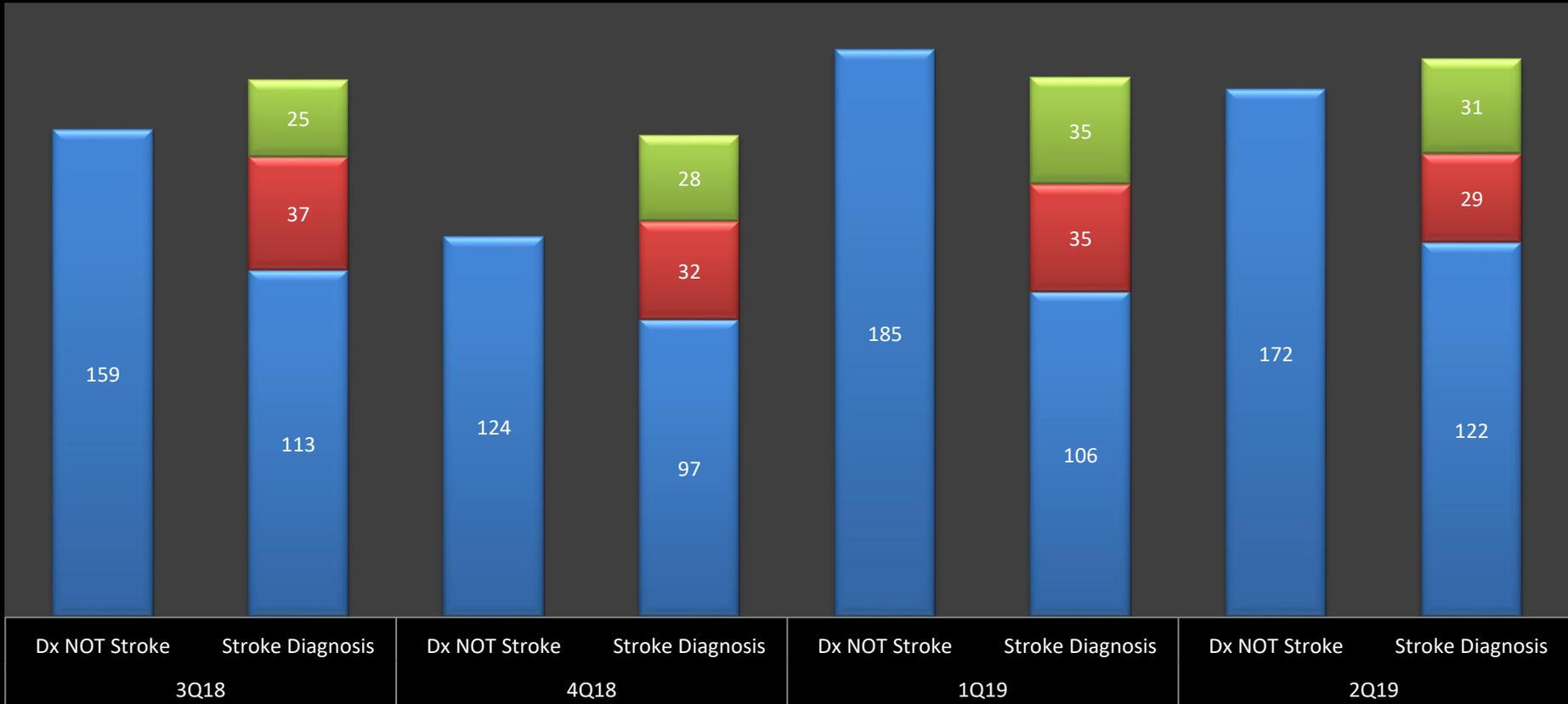
EMS Stroke Evidence Based Medicine Measures

Patients Transported by EMS with Suspected or Confirmed Stroke

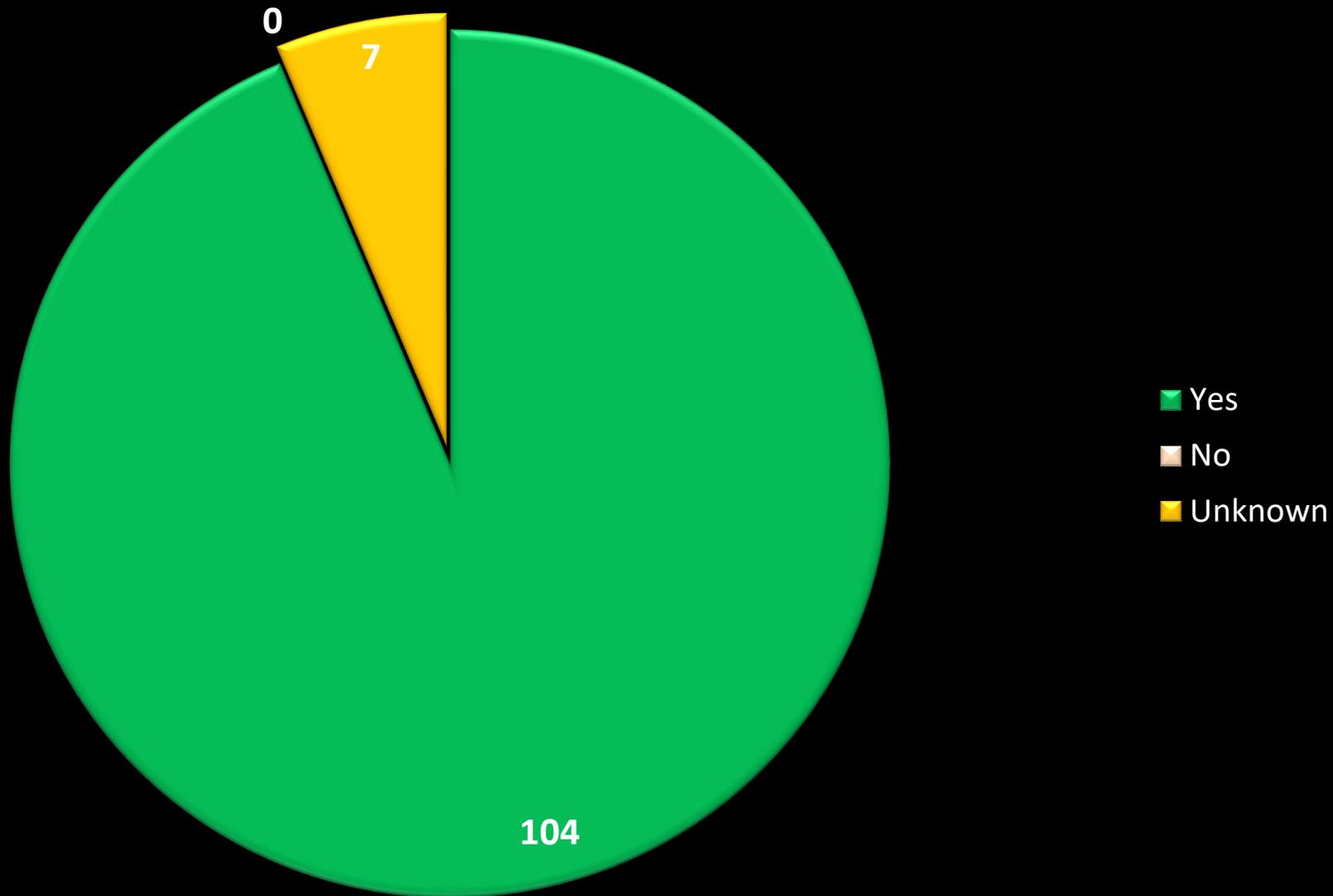


Code Strokes by EMS taken to Wake County Hospitals

■ No TPA Given
 ■ TPA Given
 ■ ICH

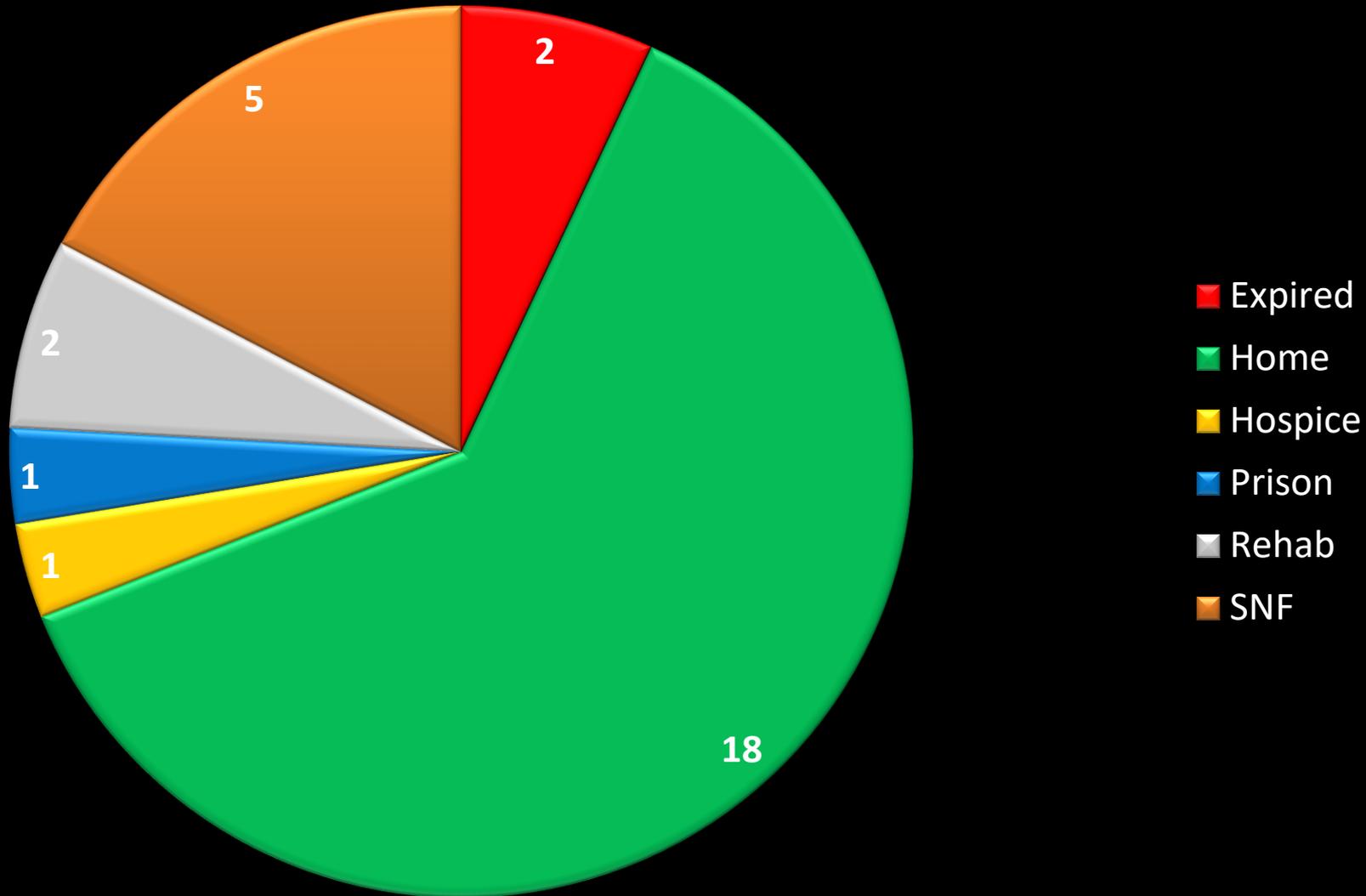


All Hospitals 2nd Qtr 2019
Hospital DCDx Stroke that did not Receive tPA or Intervention

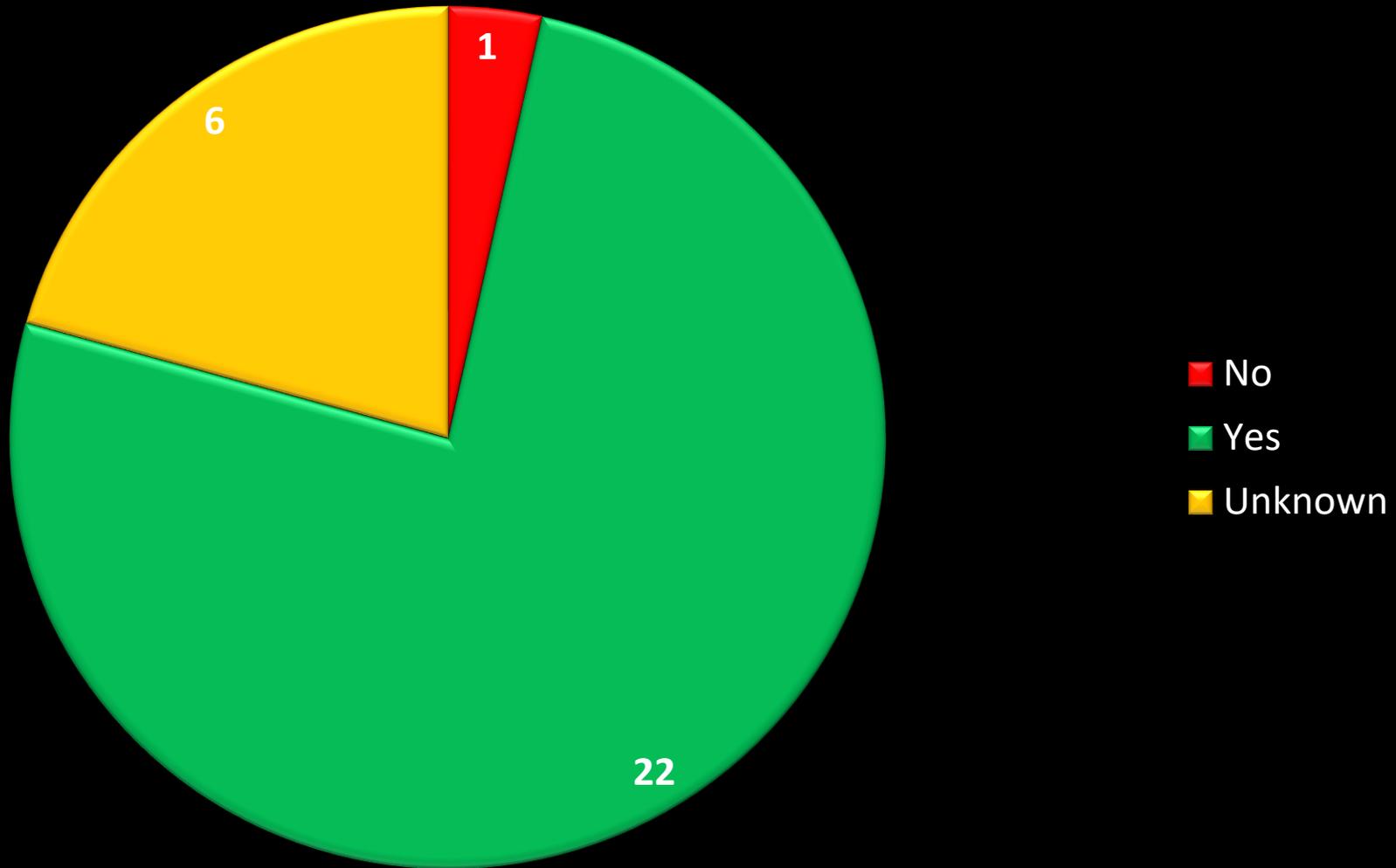


All Hospitals 2nd Qtr 2019

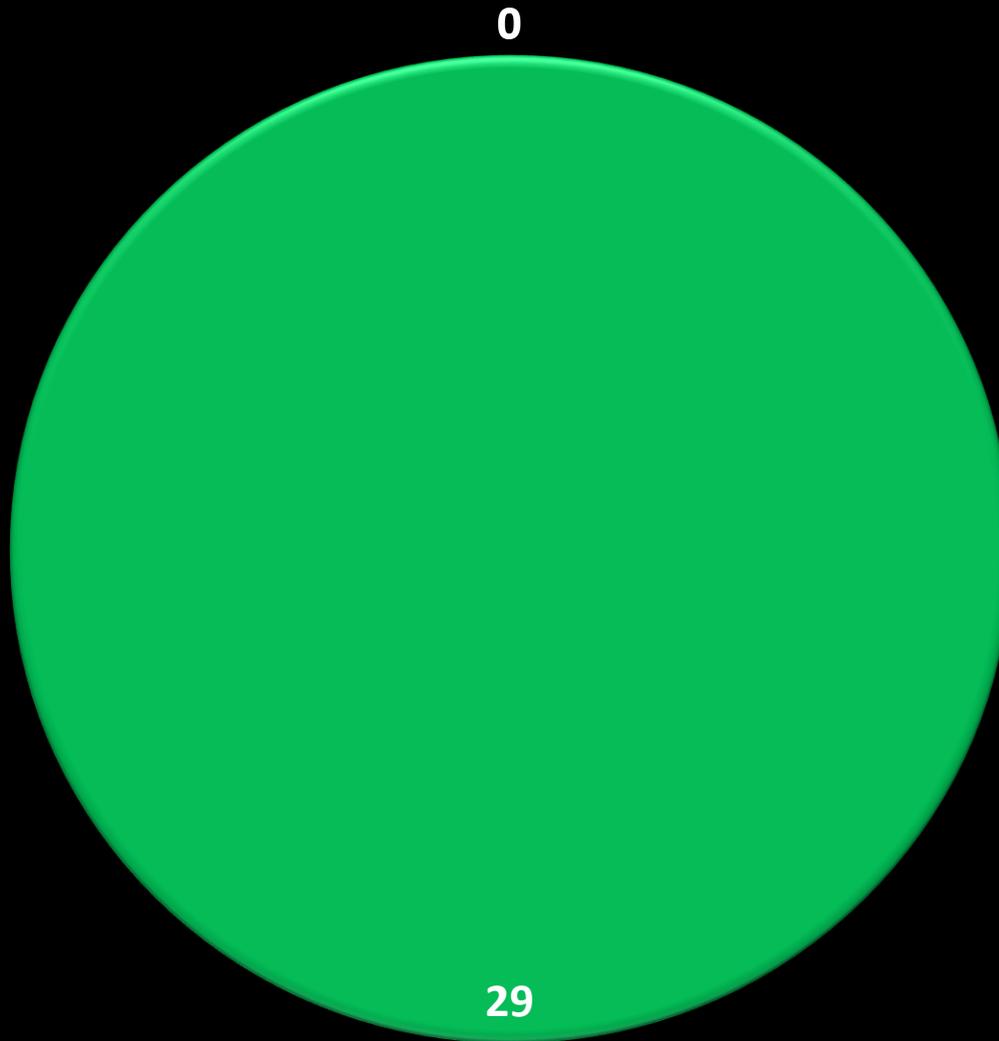
Outcomes for Wake EMS Stroke Patients who Received tPA



All Hospitals 2nd Qtr 2019
Wake EMS Stroke Patients who Received tPA
Symptom Improvement



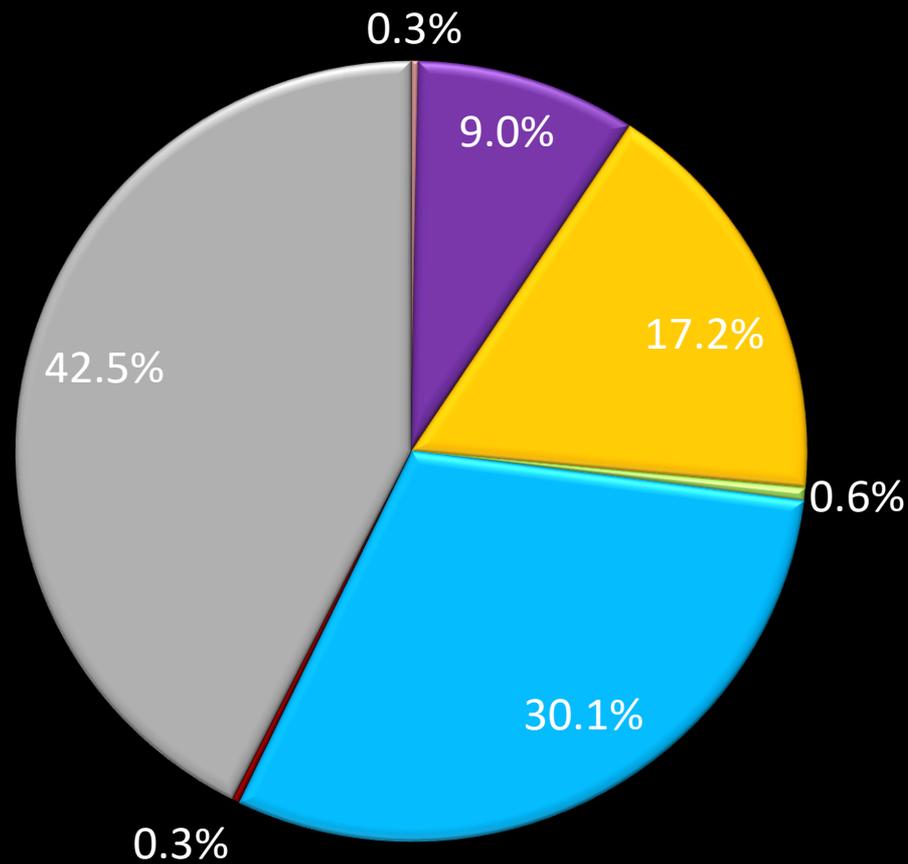
All Hospitals 2nd Qtr 2019
Wake EMS Stroke Patients who Received tPA
ICH Post Administration



-  No
-  Yes
-  Unknown

Destination for Wake EMS Patients with Suspected or Confirmed Stroke 2nd Qtr 2019

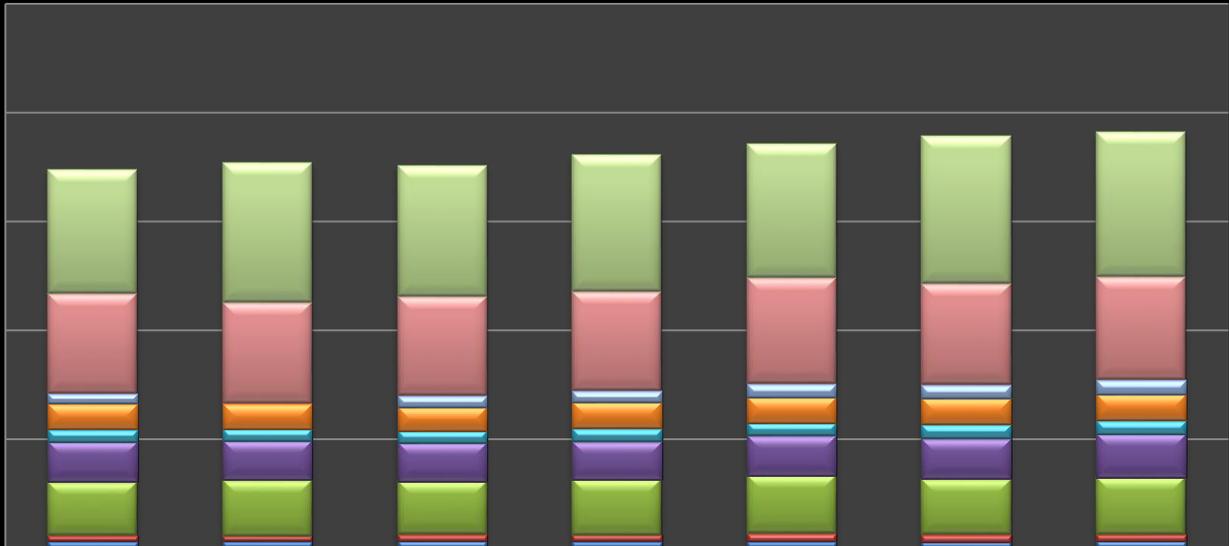
- Apex Healthplex-WakeMed
- Duke Raleigh Hospital
- Rex Healthcare
- WakeMed Main
- Cary-WakeMed
- North-WakeMed
- Brier Creek Healthplex-WakeMed



Total Transports for the System

Number of Transports

25000
20000
15000
10000
5000
0



	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
WakeMed Main	5731	6404	6008	6279	6157	6765	6653
Rex Healthcare	4568	4623	4553	4567	4855	4649	4724
Pediatric ED WakeMed	473		529	507	621	597	674
North- WakeMed	1160	1169	1091	1221	1184	1208	1191
Garner Healthplex WakeMed	567	545	560	590	580	640	636
Duke Raleigh Hospital	1865	1804	1771	1763	1838	1859	1994
Cary- WakeMed	2473	2579	2439	2558	2679	2578	2610
Brier Creek Healthplex- WakeMed	244	238	291	285	360	325	311
Apex Healthplex- WakeMed	314	306	330	302	298	287	324

Trauma

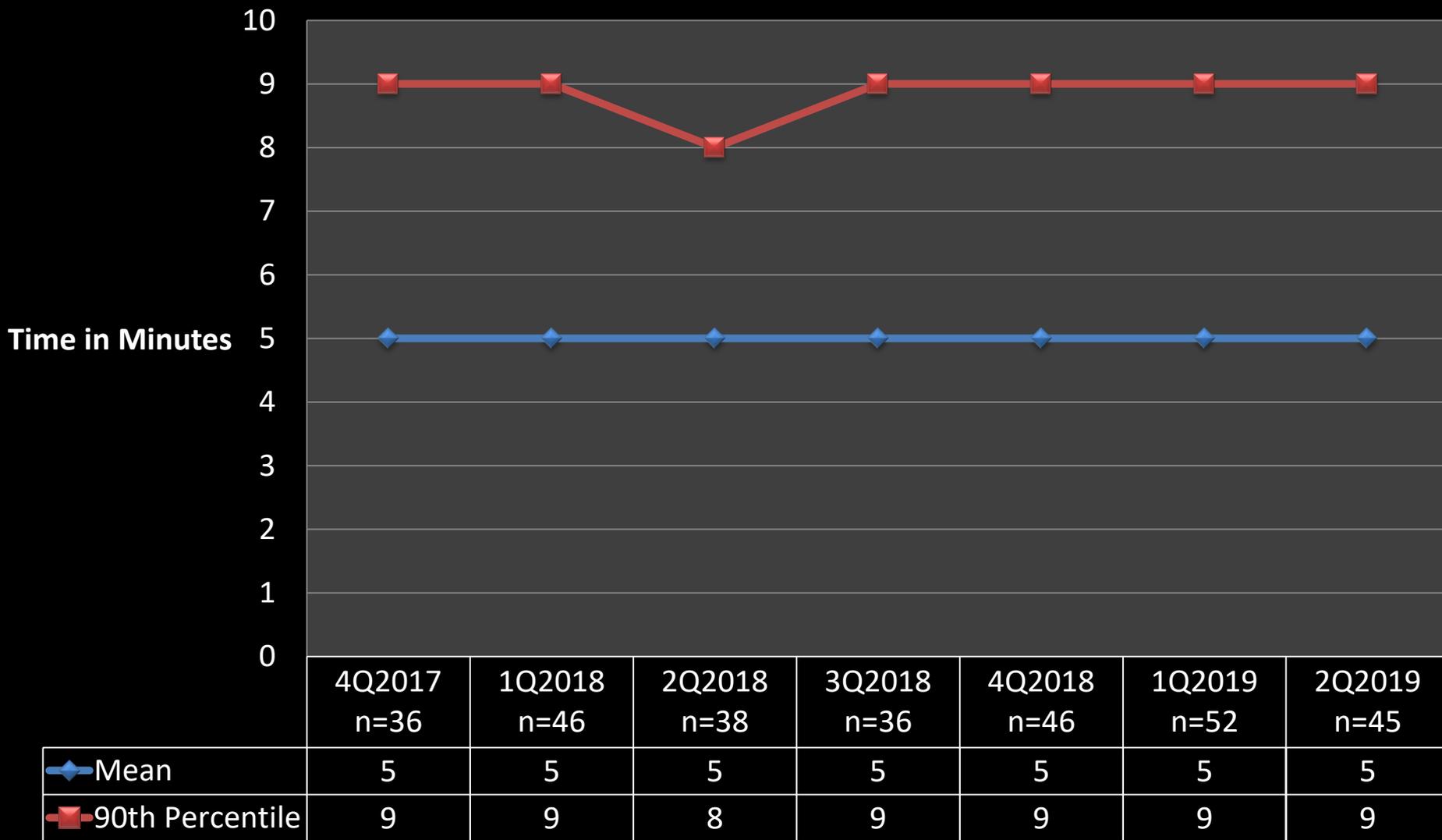
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Wake EMS System Penetrating Trauma Scene Times



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Cardiac Arrest

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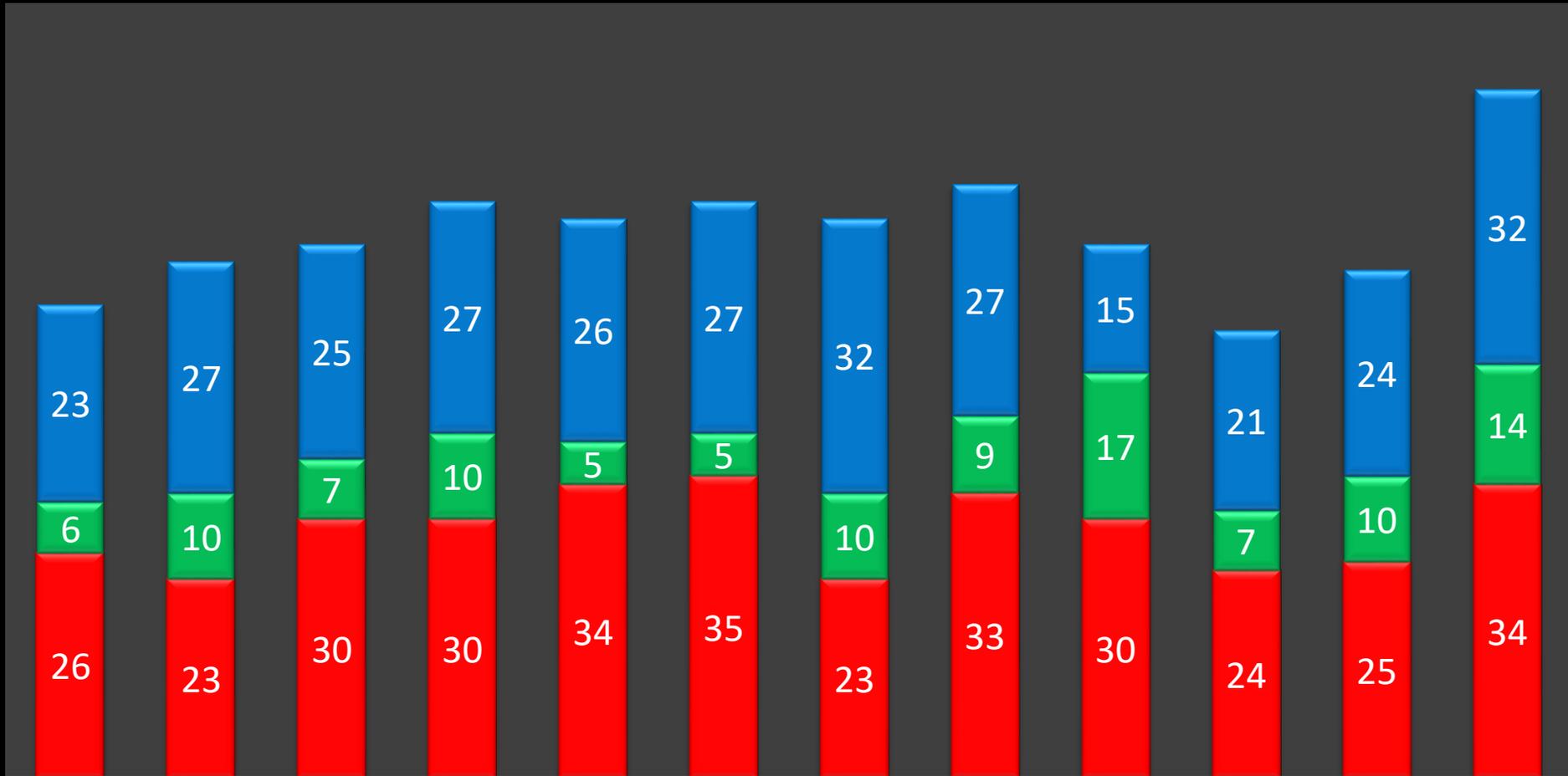


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Wake EMS Worked Cardiac Arrest

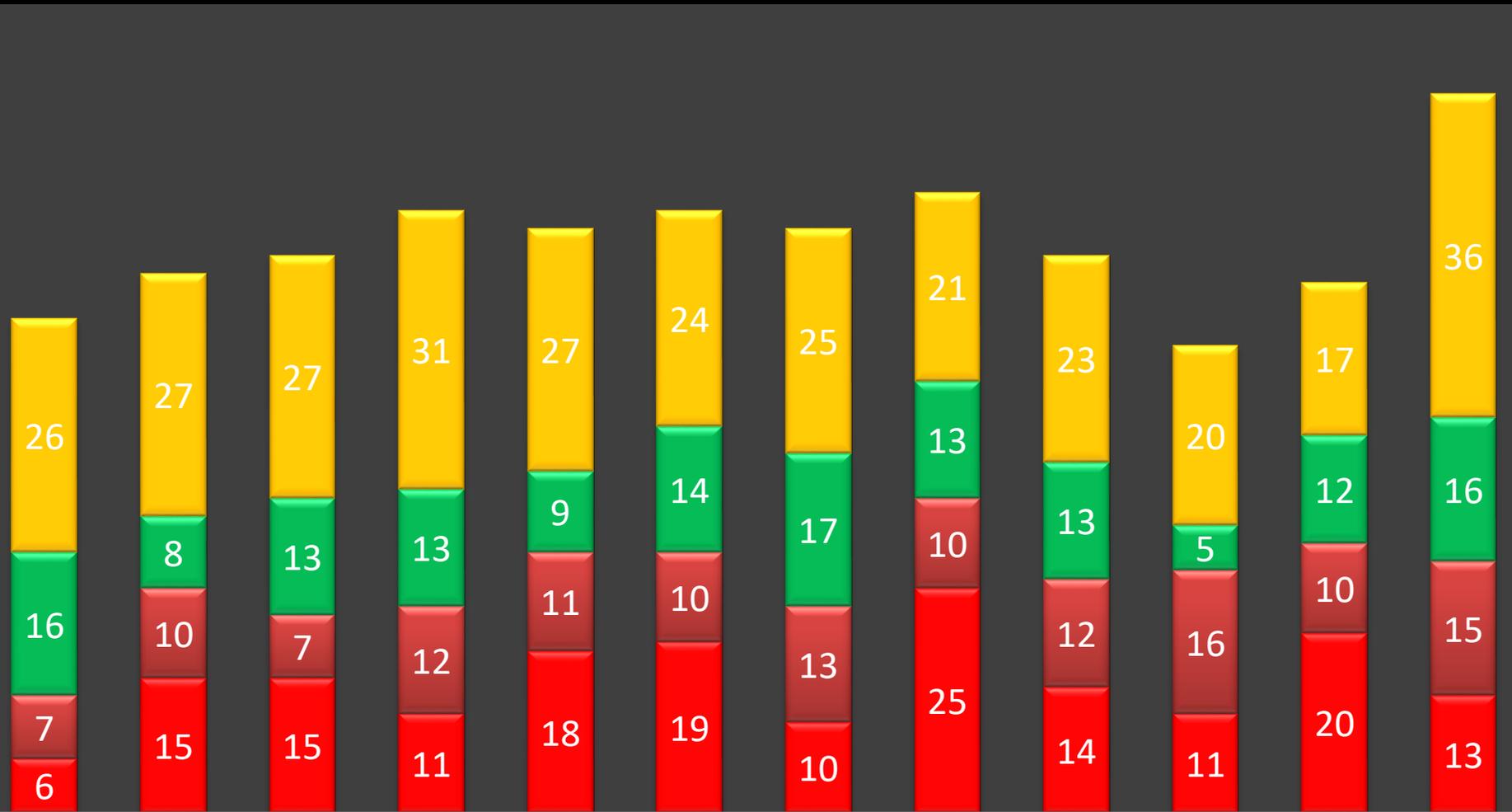
- Resuscitation Ceased in the Field
- Transport to Hospital with no ROSC
- Transport to Hospital with ROSC



July 2018 n=55 Aug 2018 n=60 Sept 2018 n=62 Oct 2018 n=67 Nov 2018 n=65 Dec 2018 n=67 Jan 2019 n=65 Feb 2019 n=69 Mar 2019 n=62 Apr 2019 n=52 May 2019 n=59 June 2019 n=80

Cardiac Arrest Initial Rhythm

■ Aystole
 ■ PEA
 ■ VF/VT
 ■ Unknown Unshockable



July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
2018	2018	2018	2018	2018	2018	2019	2019	2019	2019	2019	2019
n=55	n=60	n=62	n=67	n=65	n=67	n=65	n=69	n=62	n=52	n=59	n=80

Respiratory Distress

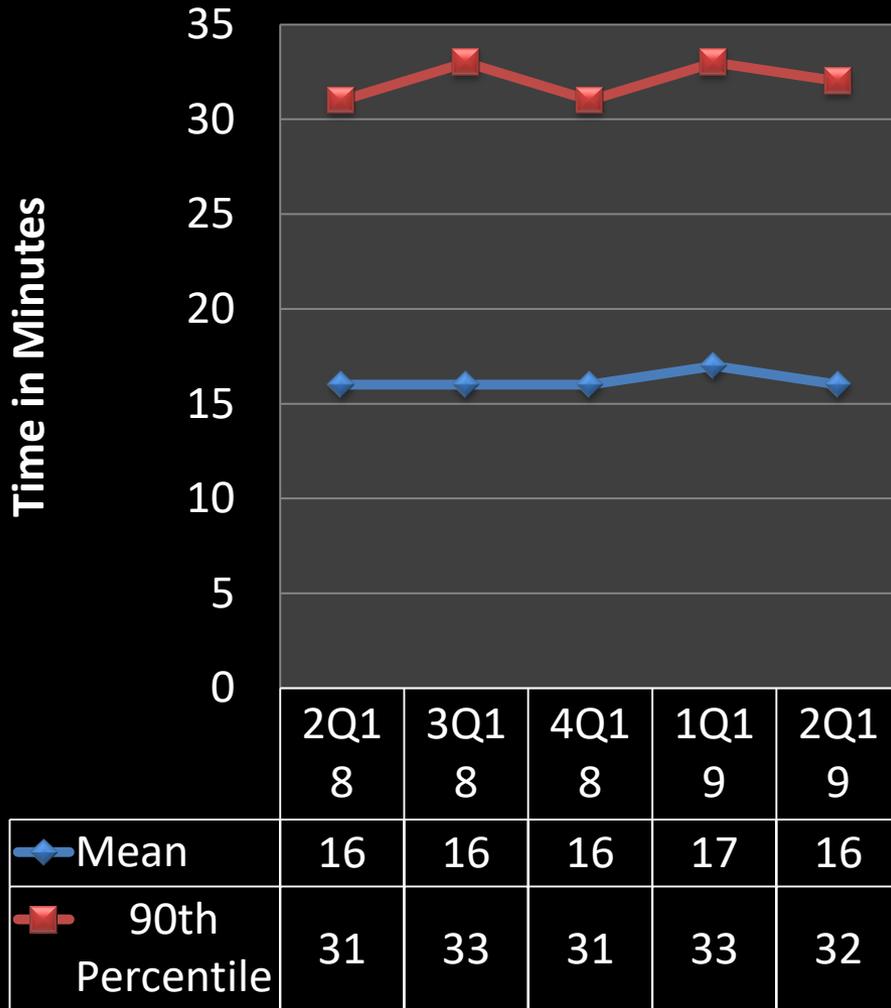
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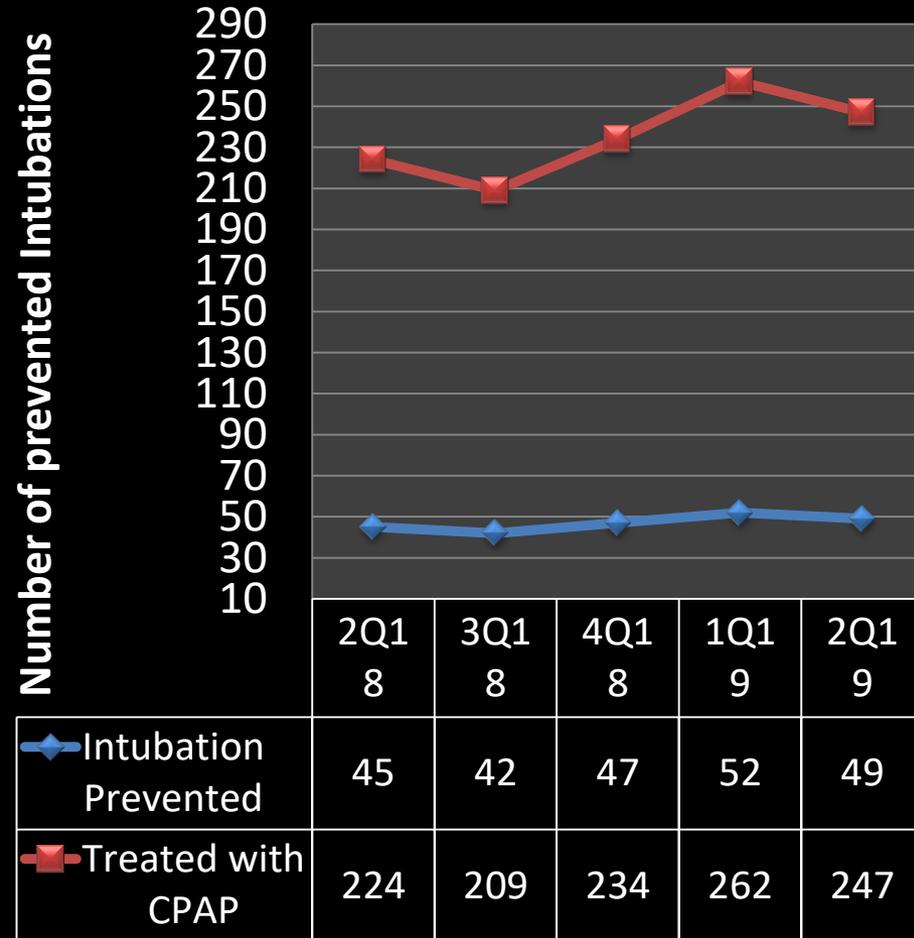
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Wake EMS System CPAP Application Time



Wake EMS System Intubation Prevented with CPAP



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Miscellaneous Reports

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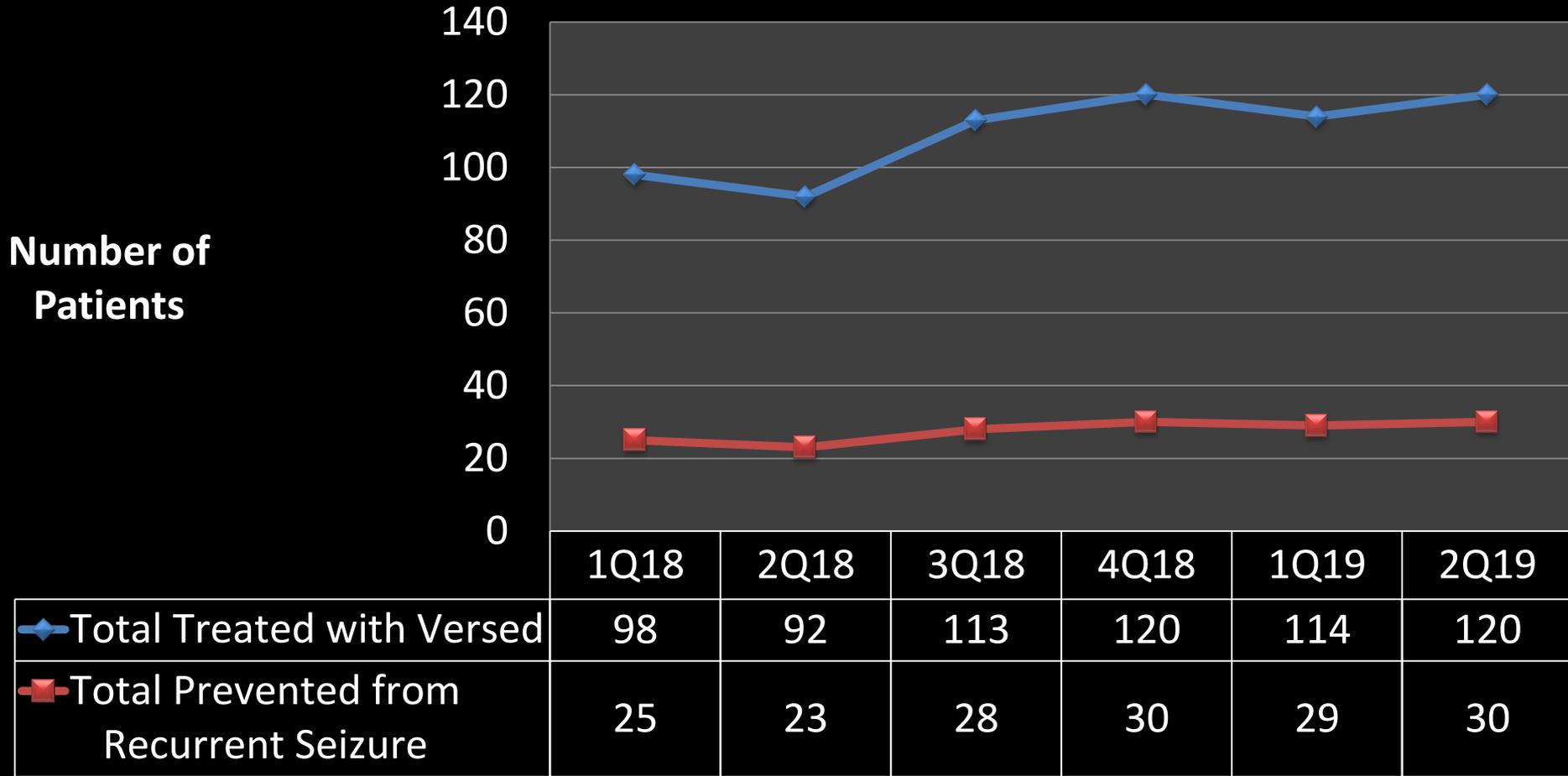


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Wake EMS System

Seizure Patients Treated with Versed



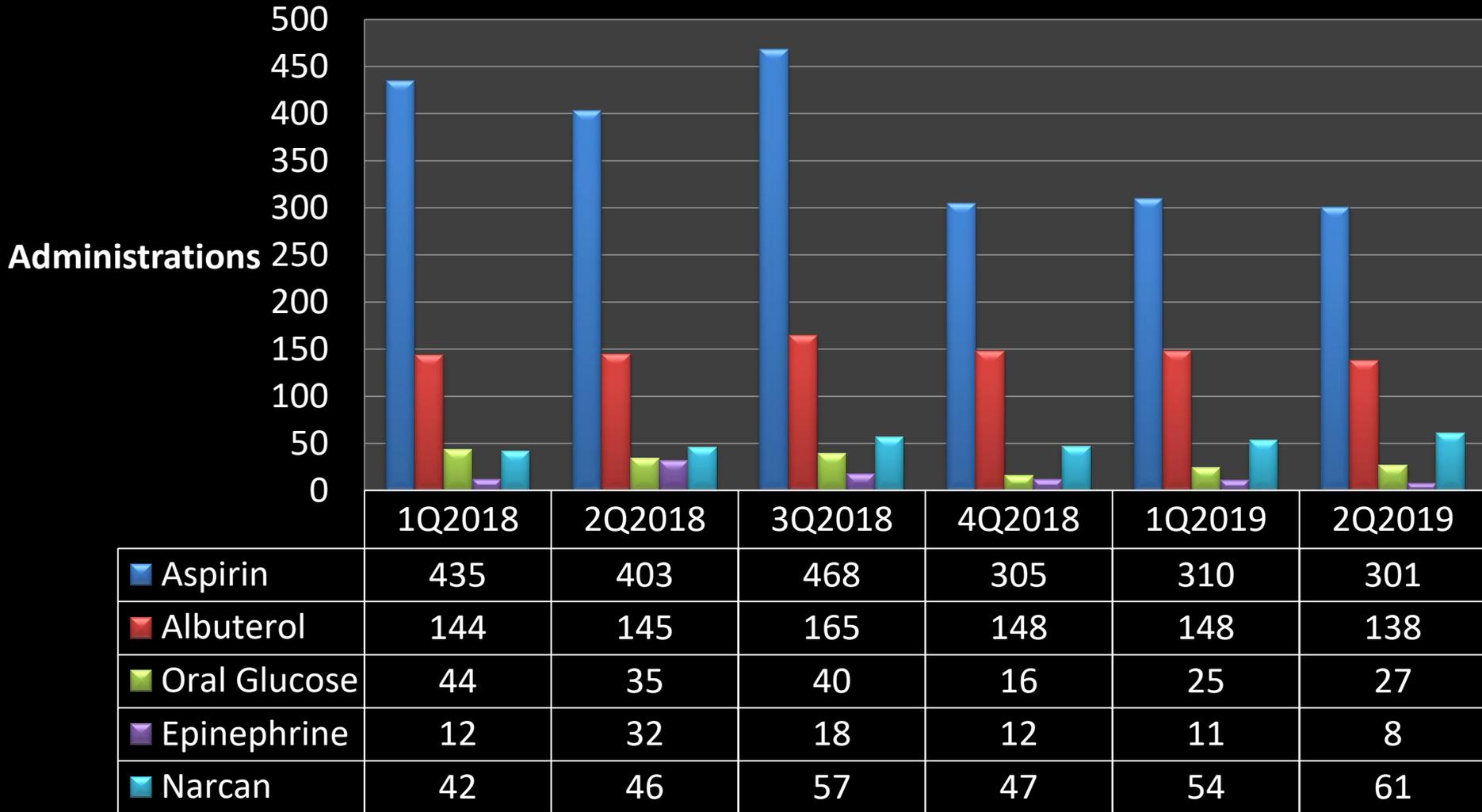
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Medications Administered by First Responders – Derived from EMS Documentation



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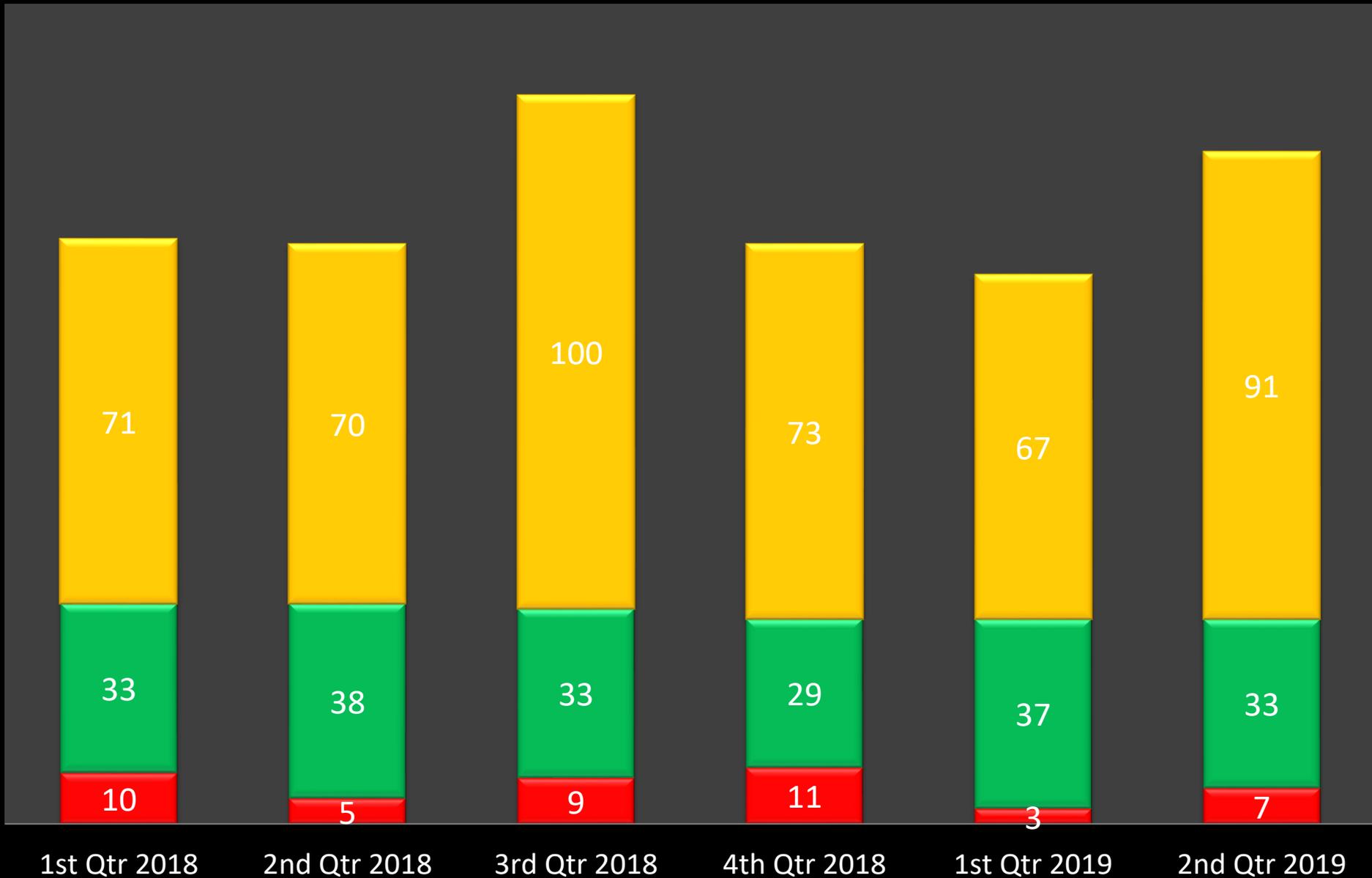


Reason for OMD Contact

■ Automatic Notification

■ Medical Control Order

■ Unusual Event



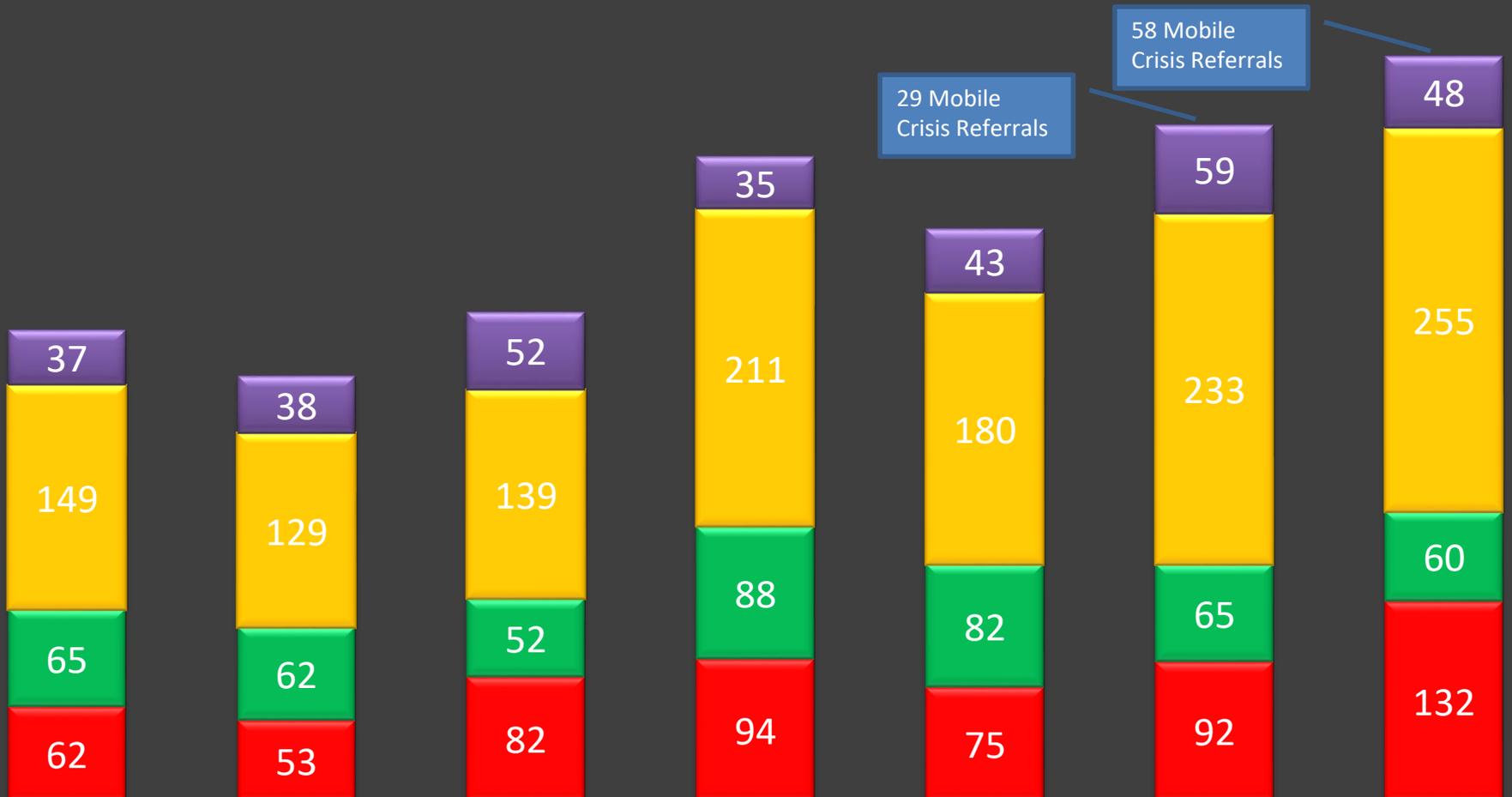
APP Alternate Destination

■ No Transport

■ Transport to Alternative Location

■ Transport to ED

■ Transported to Psychiatric Hospital



4Q2017 n=313 1Q2018 n=282 2Q2018 n=325 3Q2018 n=428 4Q2018 n=380 1Q2019 n=449 2Q2019 n=495

2nd Quarter 2019 Alternate Destination Reason for ED Transport

