

Wake EMS System Peer Review Clinical Data

3rd Quarter 2021



@wakegov    

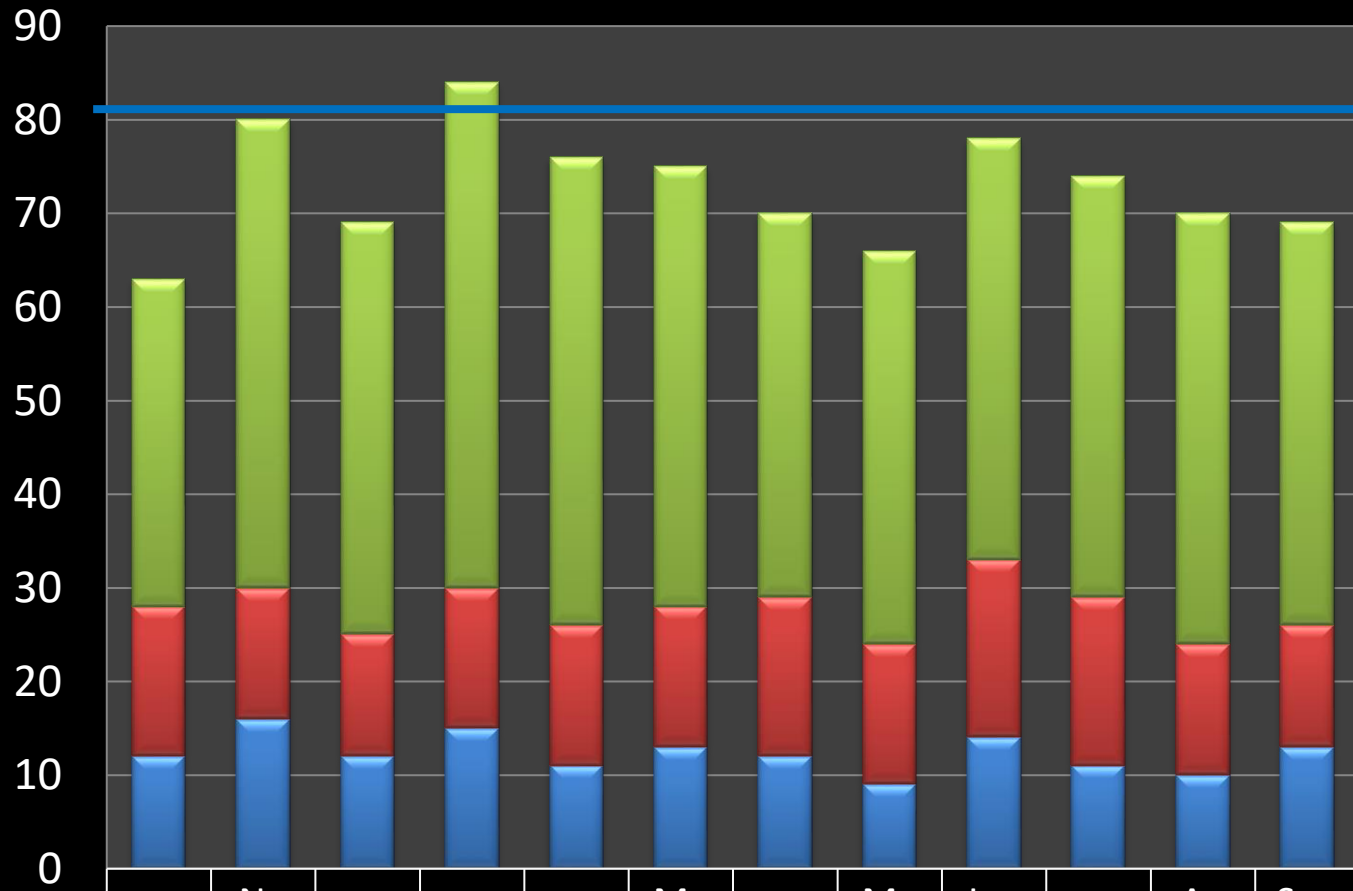
wakegov.com

STEMI

Prompt
Compassionate
Clinically Excellent Care

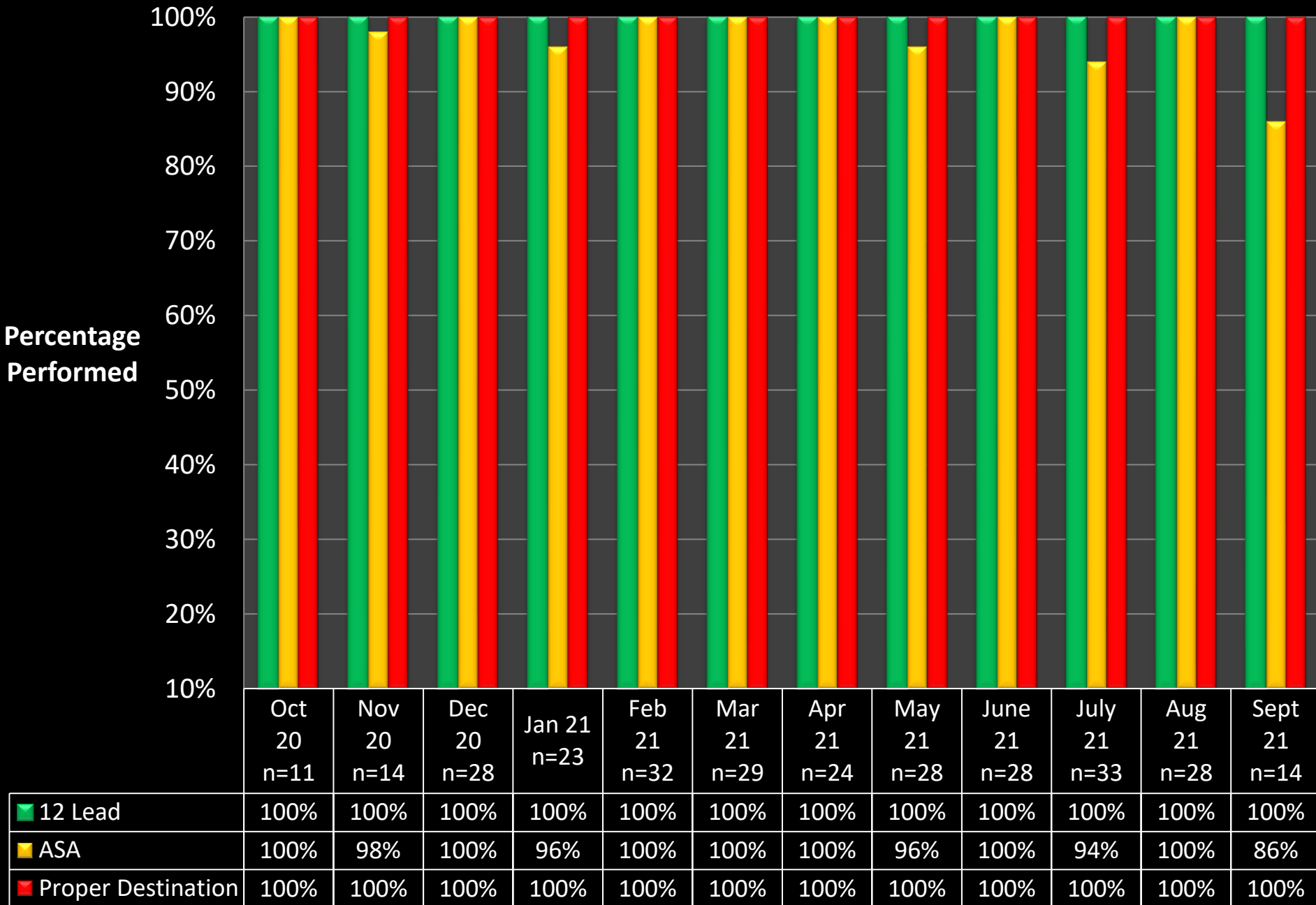
Mean Time for Patients with Confirmed STEMI; Combined for All Hospitals

Time in Minutes



■ Hospital Arrival to Intervention	35	50	44	54	50	47	41	42	45	45	46	43
■ Scene Departure to Hospital Arrival	16	14	13	15	15	15	17	15	19	18	14	13
■ 1st Patient Contact to Scene Departure	12	16	12	15	11	13	12	9	14	11	10	13

Patients Transported by EMS with Suspected or Confirmed STEMI



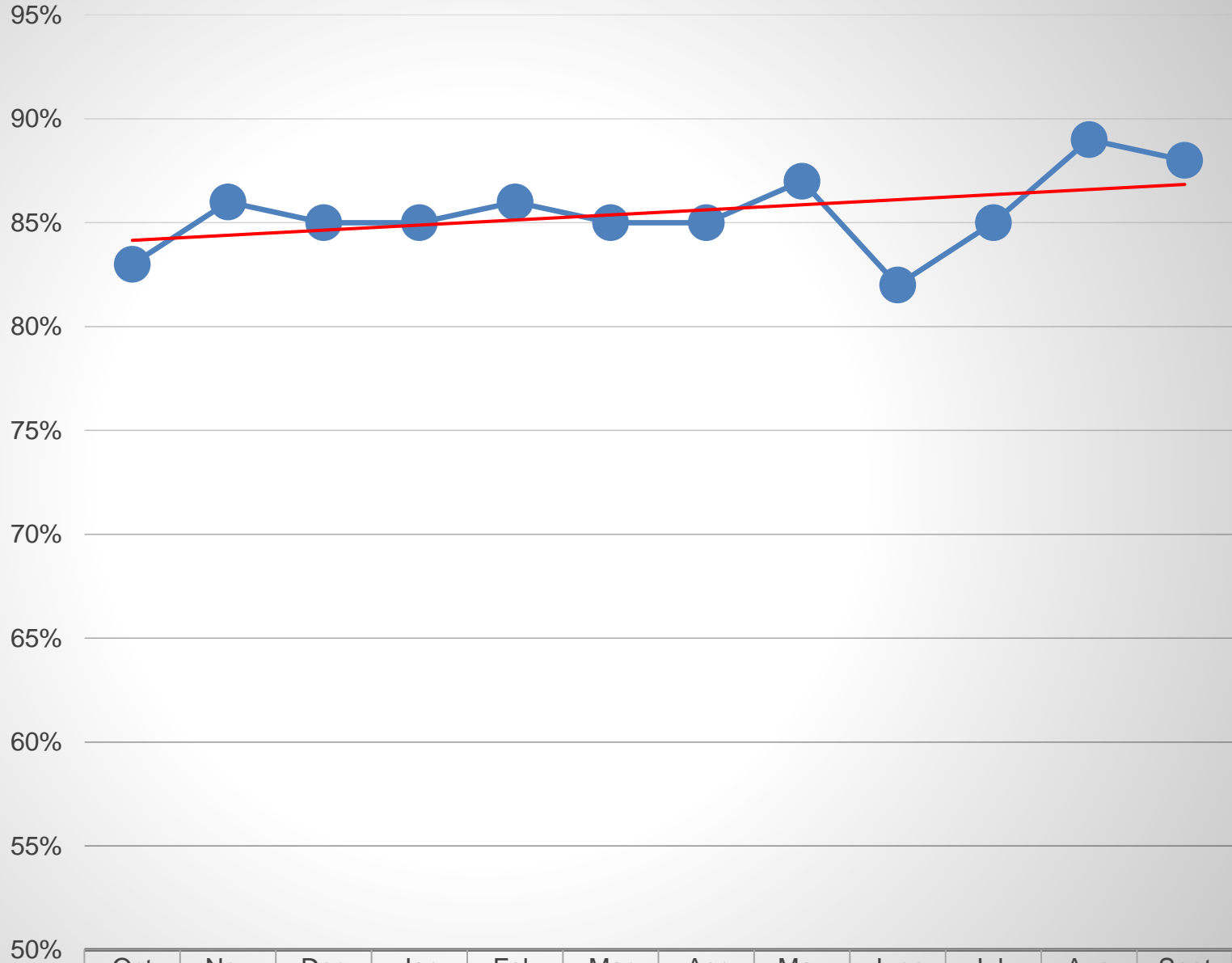
STEMI Over Triage

3rd Quarter 2021

Category	Total From Hospitals	Final Disposition = Triage Correctly	Final Disposition = Over Triage
ED EKG Does Not Meet STEMI Criteria	9	8	1
ST Elevation Resolved	14	14	0
EKG Unchanged from Previous EKG	4	4	0
STEMI Imposter (LVH, J Point Elev., Etc)	19	18	1
Other	10	10	0
2% Over triage Rate	34 That EMS Did Not Call STEMI	21 That EMS Transmitted for Consult Only	

Wake EMS

Chest Pain Patient Age>35 Who Had ASA Administered



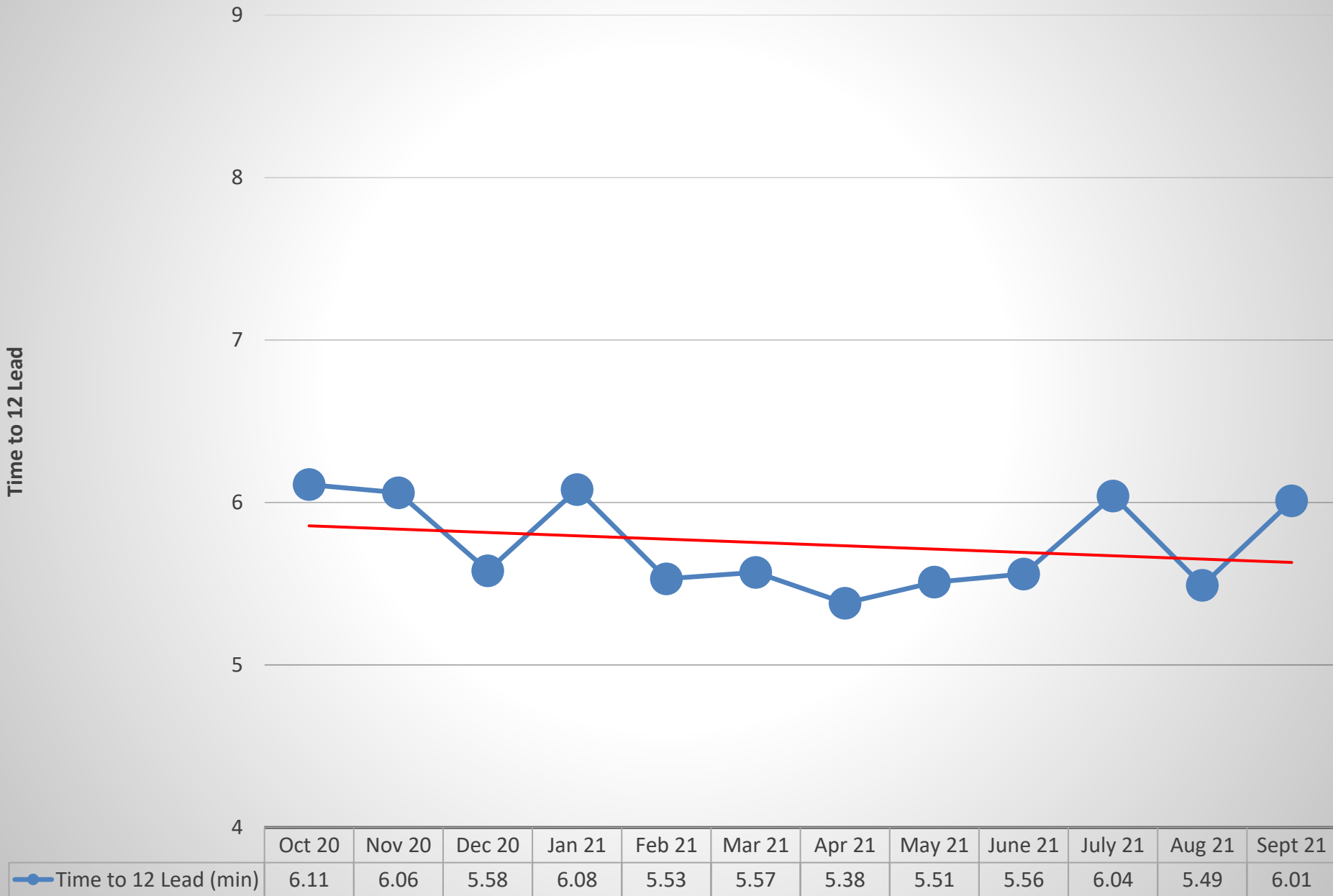
Percent Administered

ASA Administered

Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	June 21	July 21	Aug 21	Sept 21
83%	86%	85%	85%	86%	85%	85%	87%	82%	85%	89%	88%

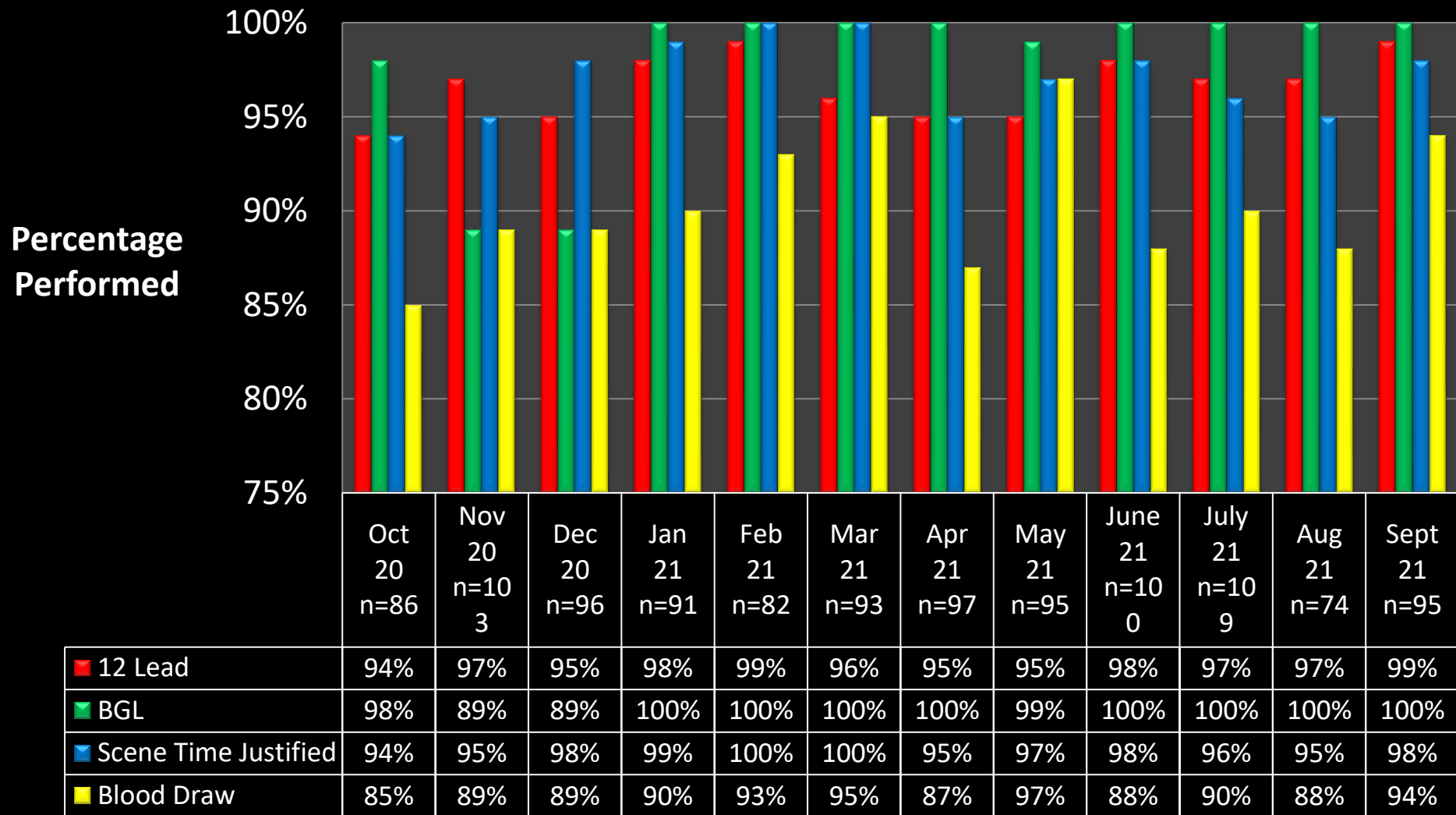
Wake EMS

Chest Pain Patient Contact to 12lead Time in Minutes



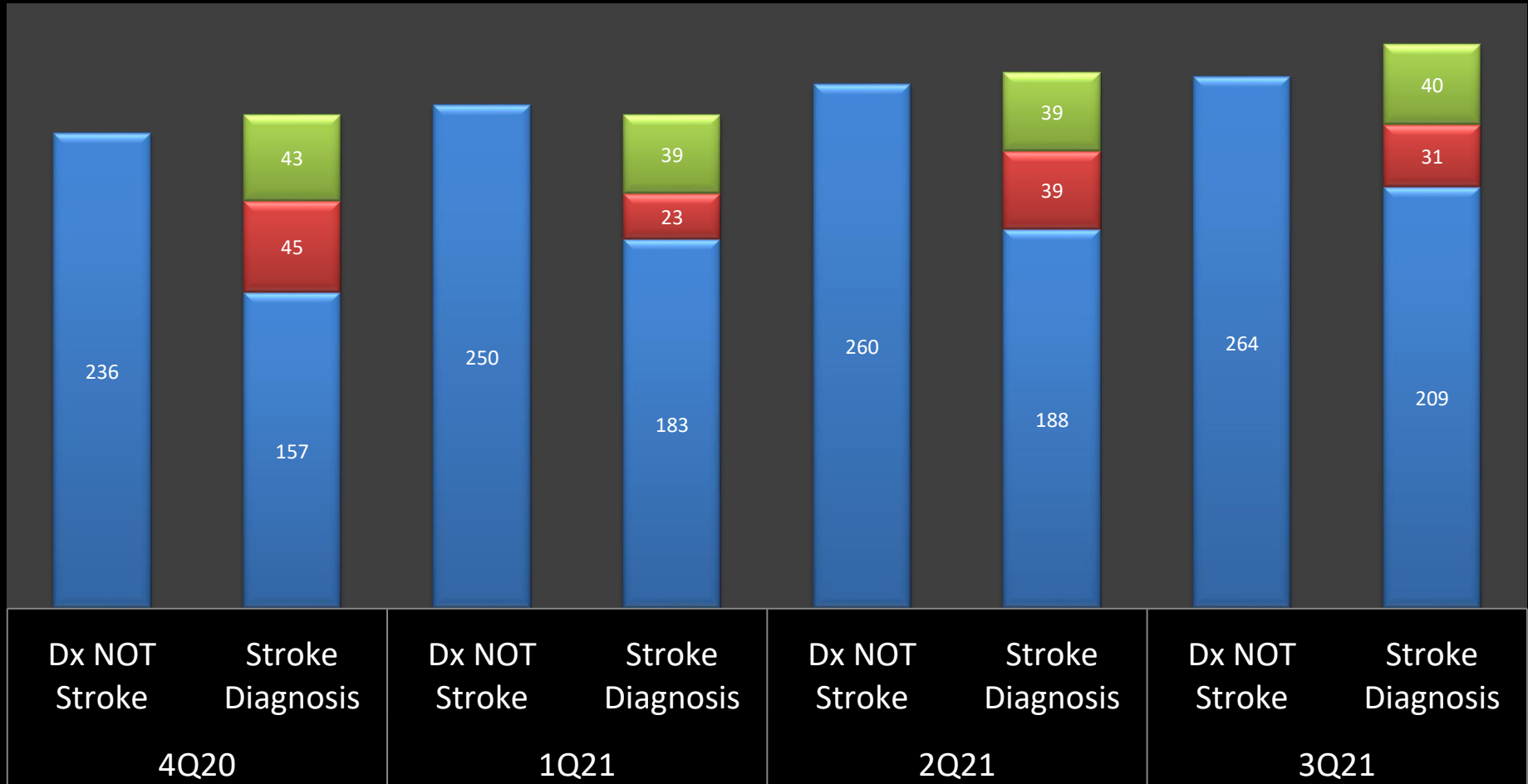
EMS Stroke Evidence Based Medicine Measures

Patients Transported by EMS with Suspected or Confirmed Stroke



Code Strokes by EMS taken to Wake County Hospitals

■ No TPA Given ■ TPA Given ■ ICH

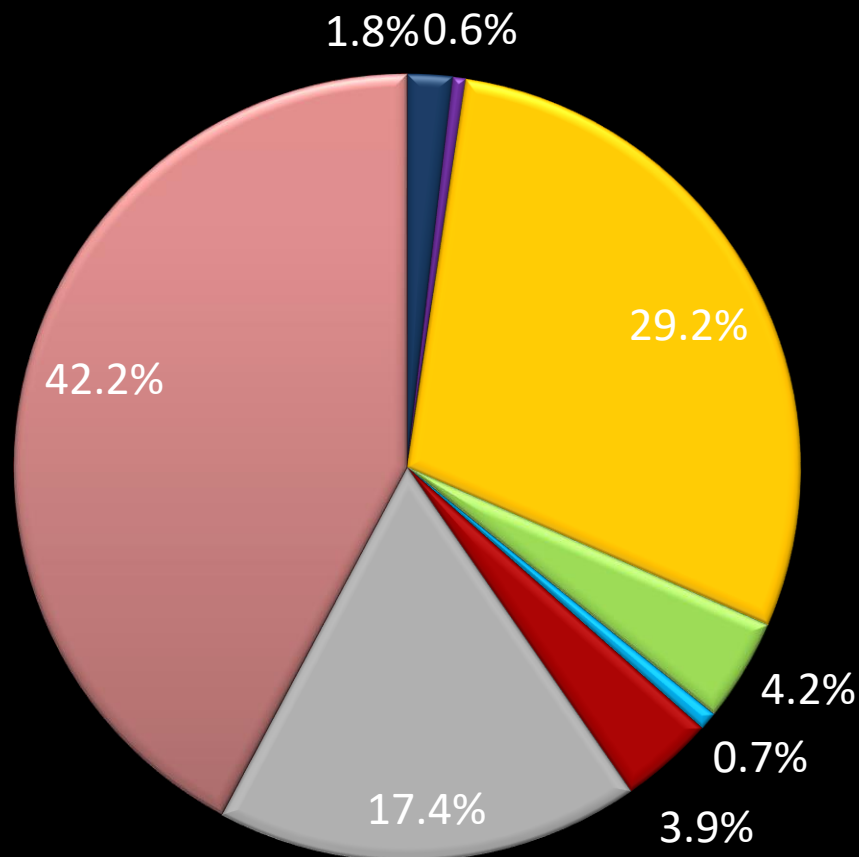


Stroke Intervention

Date	Initial Hospital	2nd Receiving Hospital	Intervention Type	Intervention Performed (thrombectomy, intervention for ICH, Neurosurgery)	2nd Hospital Arrival Time	Groin Puncture Time	TICI	Comment
05-Jul-21	Rex Healthcare	Rex	IA	Thrombectomy	7/5/21 1:49 AM	7/5/21 4:05 AM	2c	m1 occlusion
06-Jul-21	Rex Healthcare	Rex	none	none	NA	NA	NA	arteriogram only
08-Jul-21	Rex Healthcare	Rex	IA	PCA stent	7/8/21 4:56 PM	7/8/21 6:25 PM	NA	from UNC UC; PCA stent, no thrombectomy
15-Jul-21	Rex Healthcare	Rex	IA	Thrombectomy	7/15/21 8:27 AM	7/15/21 9:45 AM	2c	m2 occlusion, nsdc
23-Jul-21	Rex Healthcare	Rex	tpa-IA	Thrombectomy	7/23/21 10:53 PM	7/24/21 12:41 AM	3	ICA occlusion
26-Jul-21	Cary-WakeMed	Cary	tpa-IA	Angiogram	7/26/21 6:58 PM	7/26/21 9:20 PM	NA	ICA dissection
01-Aug-21	Cary-WakeMed	Cary	tpa-IA	Angiogram	8/1/21 1:14 PM	8/1/21 4:17 PM	NA	cerebellar stroke, no LVO
02-Aug-21	Rex Healthcare	Rex	IA	Thrombectomy	8/2/21 8:42 PM	8/2/21 10:18 PM	1	ACA occlusion
04-Aug-21	Rex Healthcare	Rex	IA	Thrombectomy	8/4/21 9:30 PM	8/4/21 11:21 PM	3	ICA/MCA occlusion
05-Aug-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	8/5/21 7:51 AM	8/5/21 9:05 AM	2c	ICA dissection/occlusion
08-Aug-21	WakeMed Main	WakeMed Main	tpa-IA	Thrombectomy	8/8/21 4:59 PM	8/8/21 6:58 PM	3	ICA occlusion
17-Aug-21	Rex Healthcare	Rex	IA	Thrombectomy	8/17/21 10:23 AM	8/17/21 11:11 AM	2b	ICA/MCA occlusion, COVID
20-Aug-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	8/20/21 6:26 PM	8/20/21 8:13 PM	2b	m1 occlusion
24-Aug-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	8/24/21 12:56 AM	8/24/21 2:58 AM	2b	ICA, mca occlusion, COVID
27-Aug-21	Rex Healthcare	Rex	IA	Thrombectomy	8/27/21 10:30 PM	8/28/21 12:19 AM	3	m2 occlusion
30-Aug-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	8/30/21 7:15 AM	8/30/21 8:09 AM	3	m1 occlusion
03-Sep-21	Rex Healthcare	Rex	IA	Thrombectomy	9/3/21 3:07 AM	9/3/21 5:25 AM	3	m2 occlusion- chemo for MM
08-Sep-21	Rex Healthcare	Rex	IA	Thrombectomy	9/3/21 5:27 AM	9/3/21 7:47 AM	2c	m1 occlusion
12-Sep-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	9/12/21 3:36 AM	9/12/21 5:18 AM	2b	m2, aca occlusion
15-Sep-21	Rex Healthcare	Rex	IA	Angiogram	9/15/21 1:20 PM	9/15/21 4:59 PM	NA	ACA - A2 saddle embolus- "angiogram with small embolic fragments removed"
19-Sep-21	Rex Healthcare	Rex	IA	Thrombectomy	9/19/21 5:36 PM	9/19/21 8:58 PM	2b	cancer, PE, ICA/MCA thrombus
19-Sep-21	Rex Healthcare	Rex	IA	Thrombectomy	9/19/21 10:14 PM	9/19/21 11:37 PM	2a	m1 occlusion
20-Sep-21	WakeMed Main	WakeMed Main	IA	Thrombectomy	9/20/21 1:20 PM	9/20/21 2:58 PM	3	m1 occlusion
23-Sep-21	Rex Healthcare	Rex	tpa	none	NA	NA	NA	intermittent basilar. Family declined IA

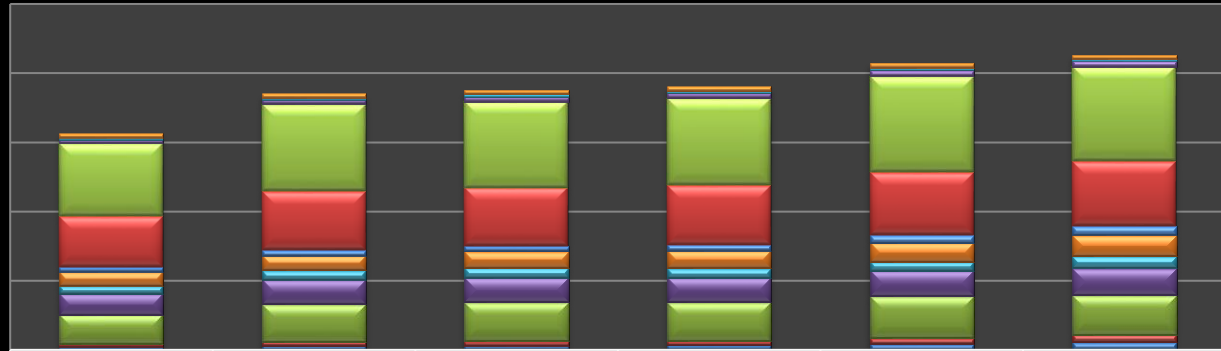
Destination for Wake EMS Patients with Suspected or Confirmed Stroke 3rd Qtr 2021

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



Number of Transports

Total Transports for the System

25000
20000
15000
10000
5000
0

2Q20

3Q20

4Q20

1Q21

2Q21

3Q21

Out of County

267

292

270

315

332

259

UNC

145

140

148

153

171

117

Duke Durham

280

351

354

357

418

440

WakeMed Main

5288

6319

6248

6331

6937

6864

Rex Healthcare

3639

4209

4197

4273

4522

4656

Pediatric ED WakeMed

343

408

383

411

562

636

North- WakeMed

998

1069

1181

1264

1392

1540

Garner Healthplex WakeMed

575

668

715

695

649

859

Duke Raleigh Hospital

1524

1757

1784

1771

1847

1941

Cary- WakeMed

2126

2699

2820

2824

3021

2868

Brier Creek Healthplex-
WakeMed

192

292

317

289

418

560

Apex Healthplex- WakeMed

240

333

319

348

438

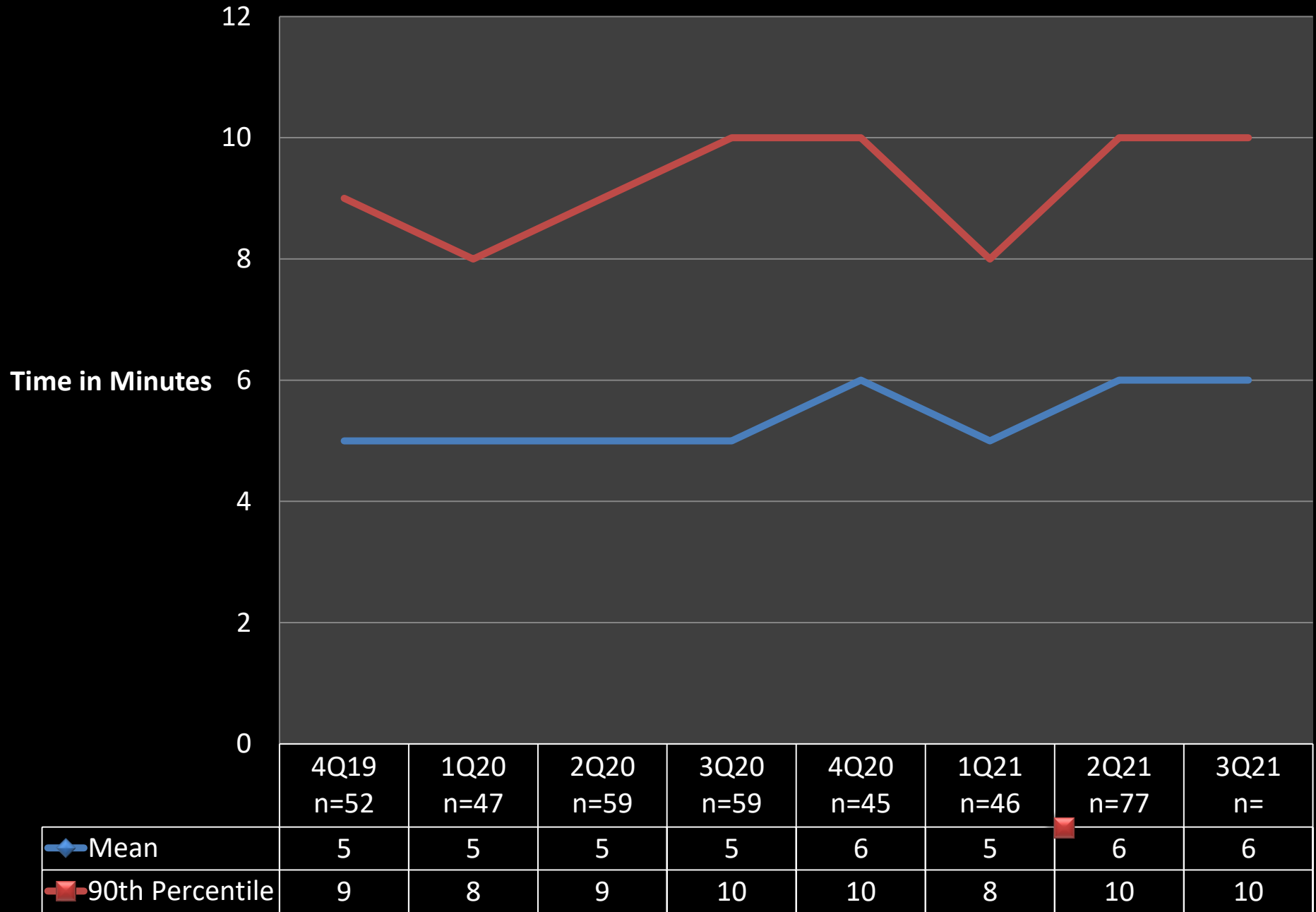
556

Trauma

Prompt
Compassionate
Clinically Excellent Care

Wake EMS System

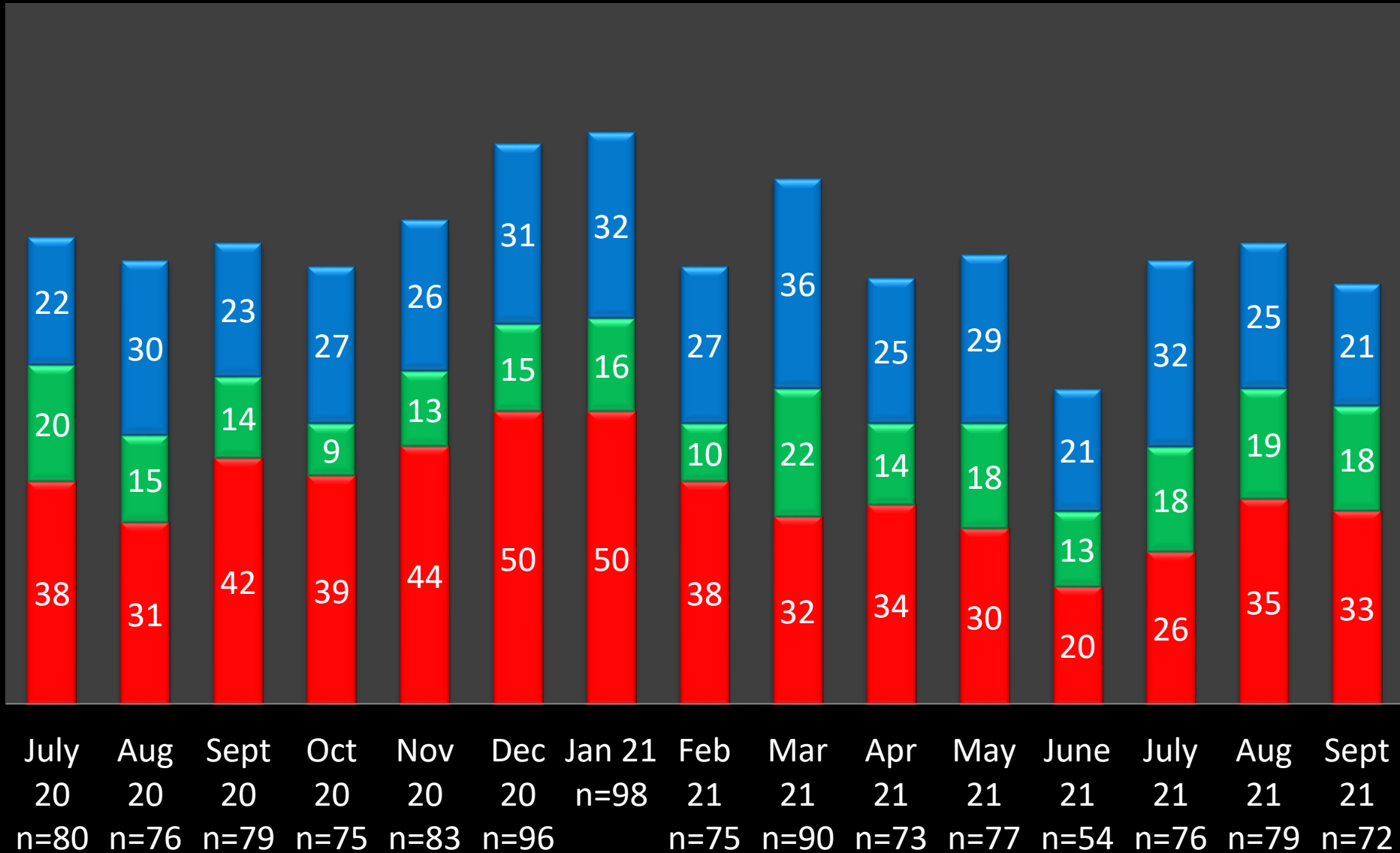
Penetrating Trauma Scene Times



Cardiac Arrest

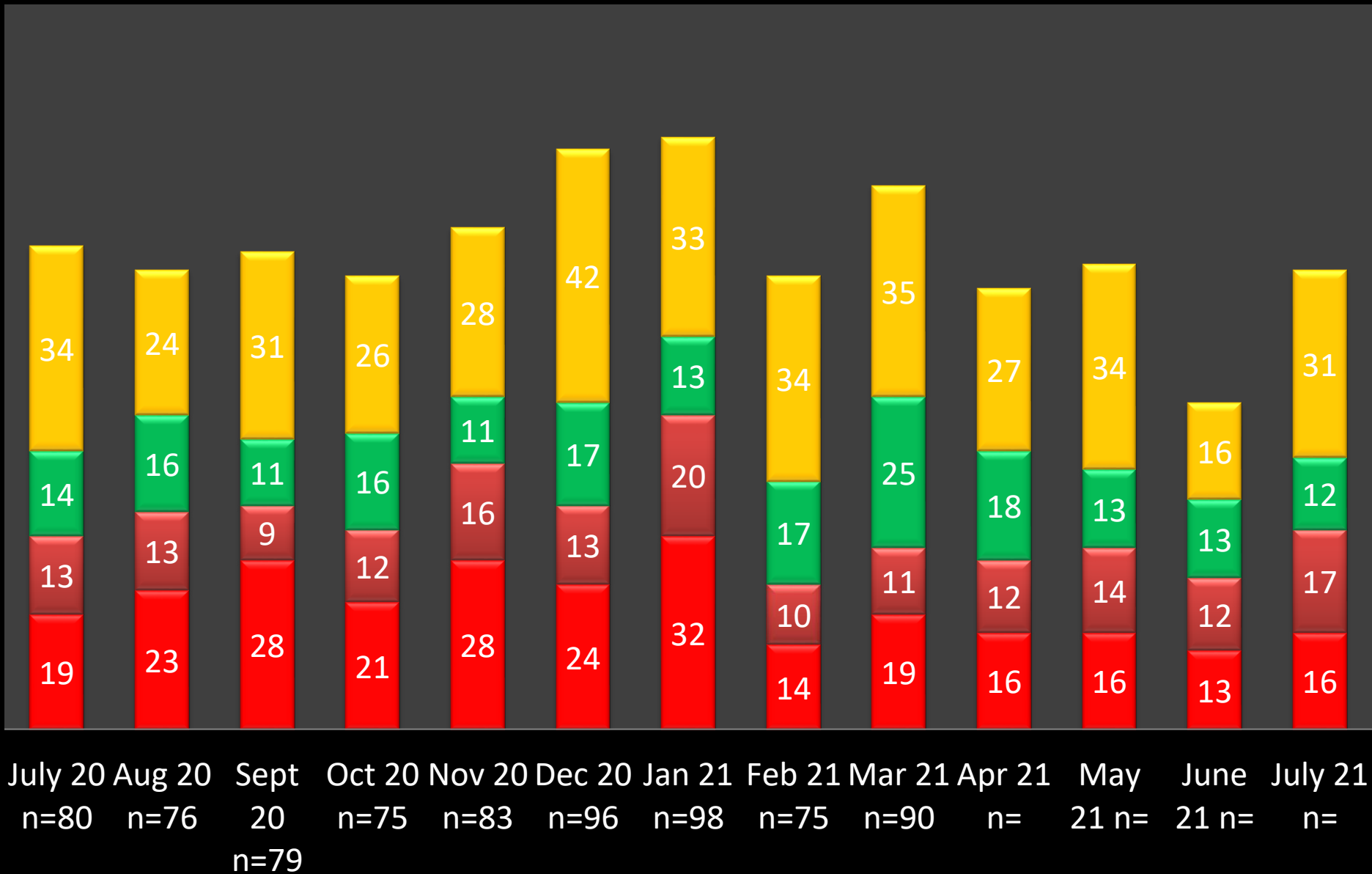
Wake EMS Worked Cardiac Arrest

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

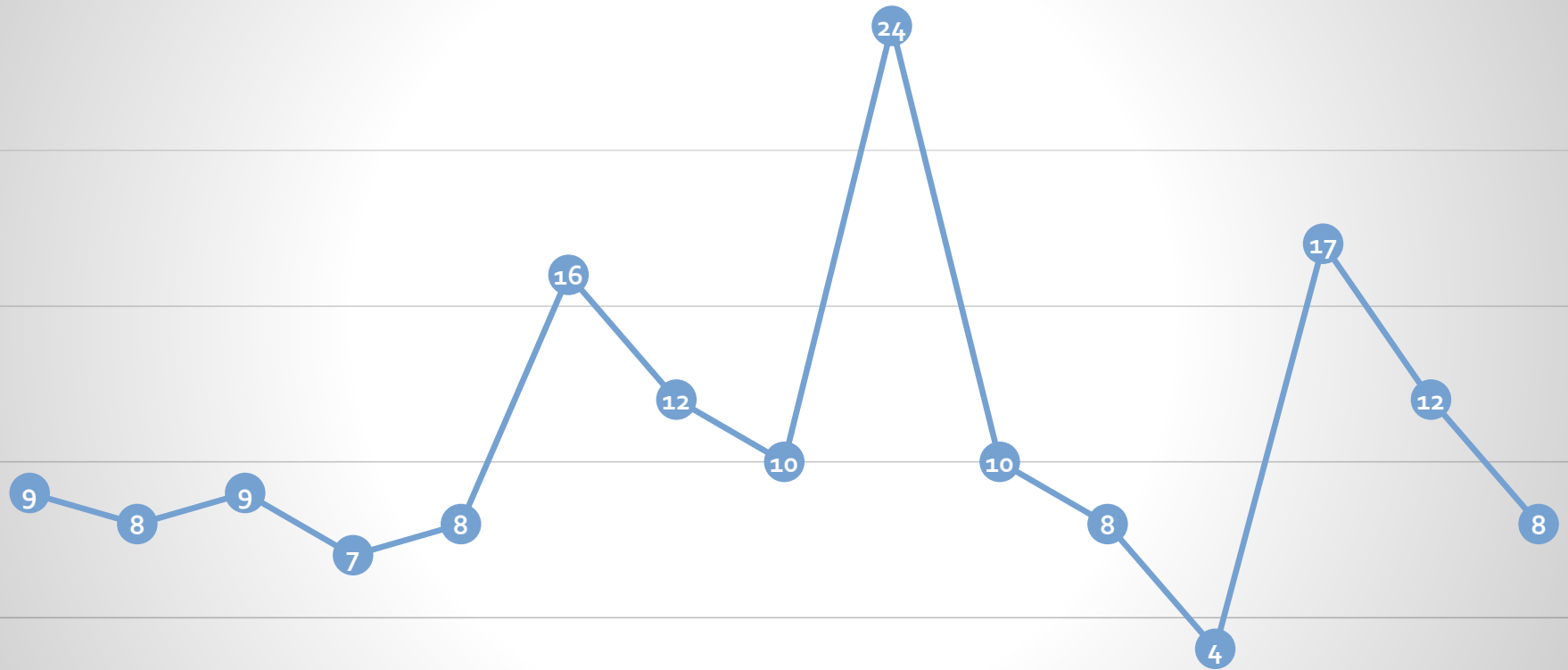


Cardiac Arrest Initial Rhythm

■ Aystole ■ PEA ■ VF/VT ■ Unknown Unshockable



Total LUCAS Uses



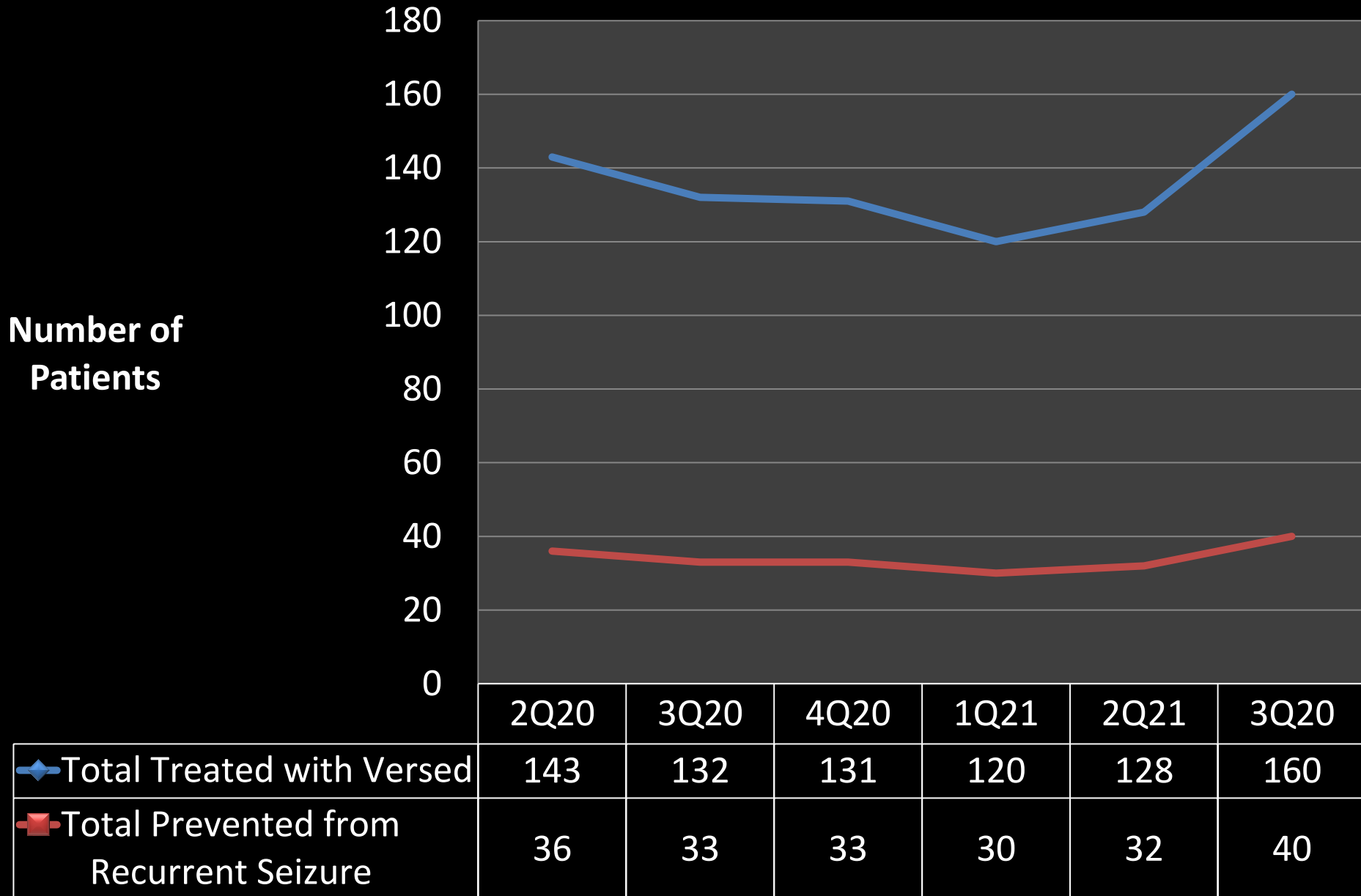
—●— Total LUCAS Uses

Respiratory Distress

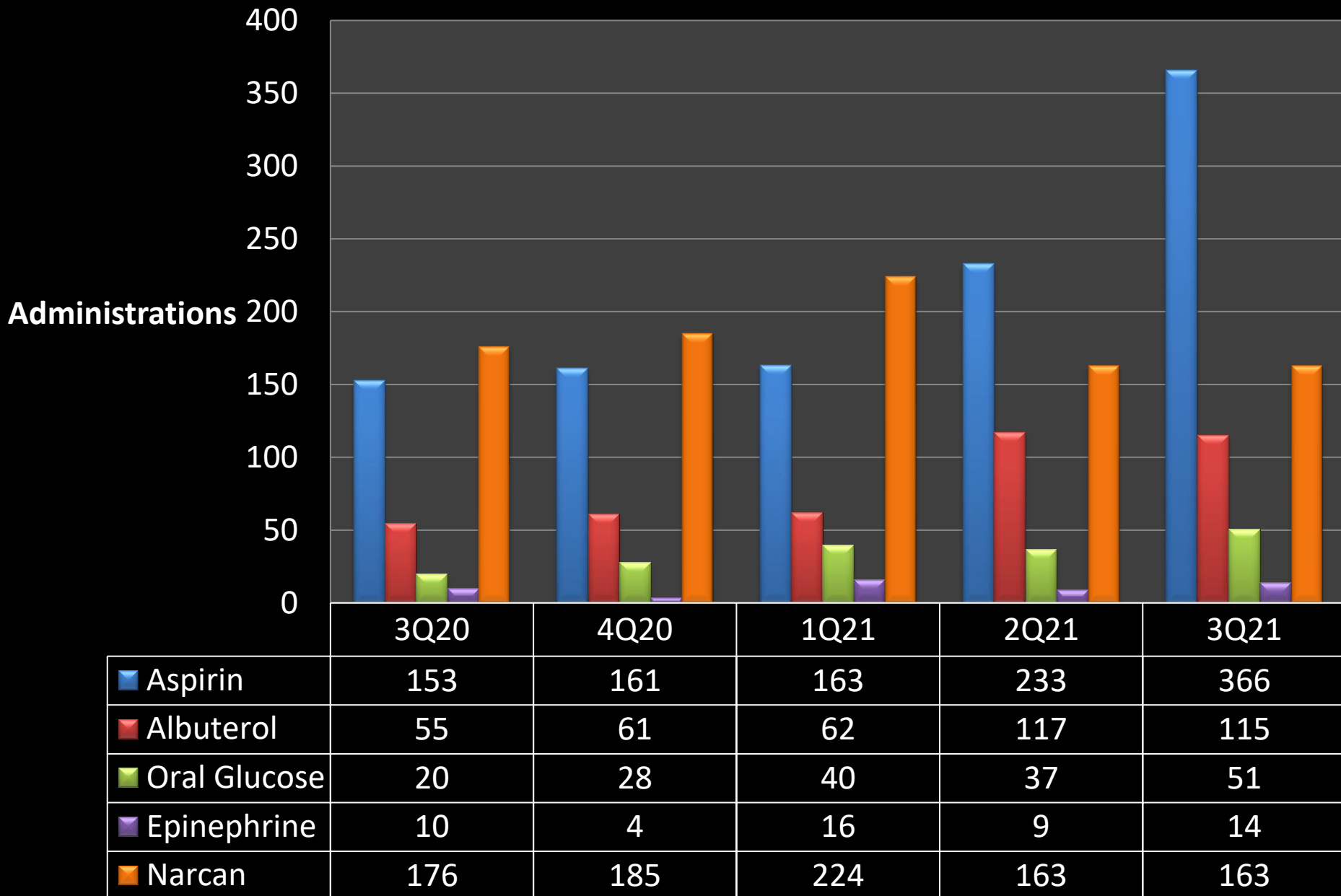
Miscellaneous Reports

Wake EMS System

Seizure Patients Treated with Versed



Medications Administered by First Responders – Derived from EMS Documentation

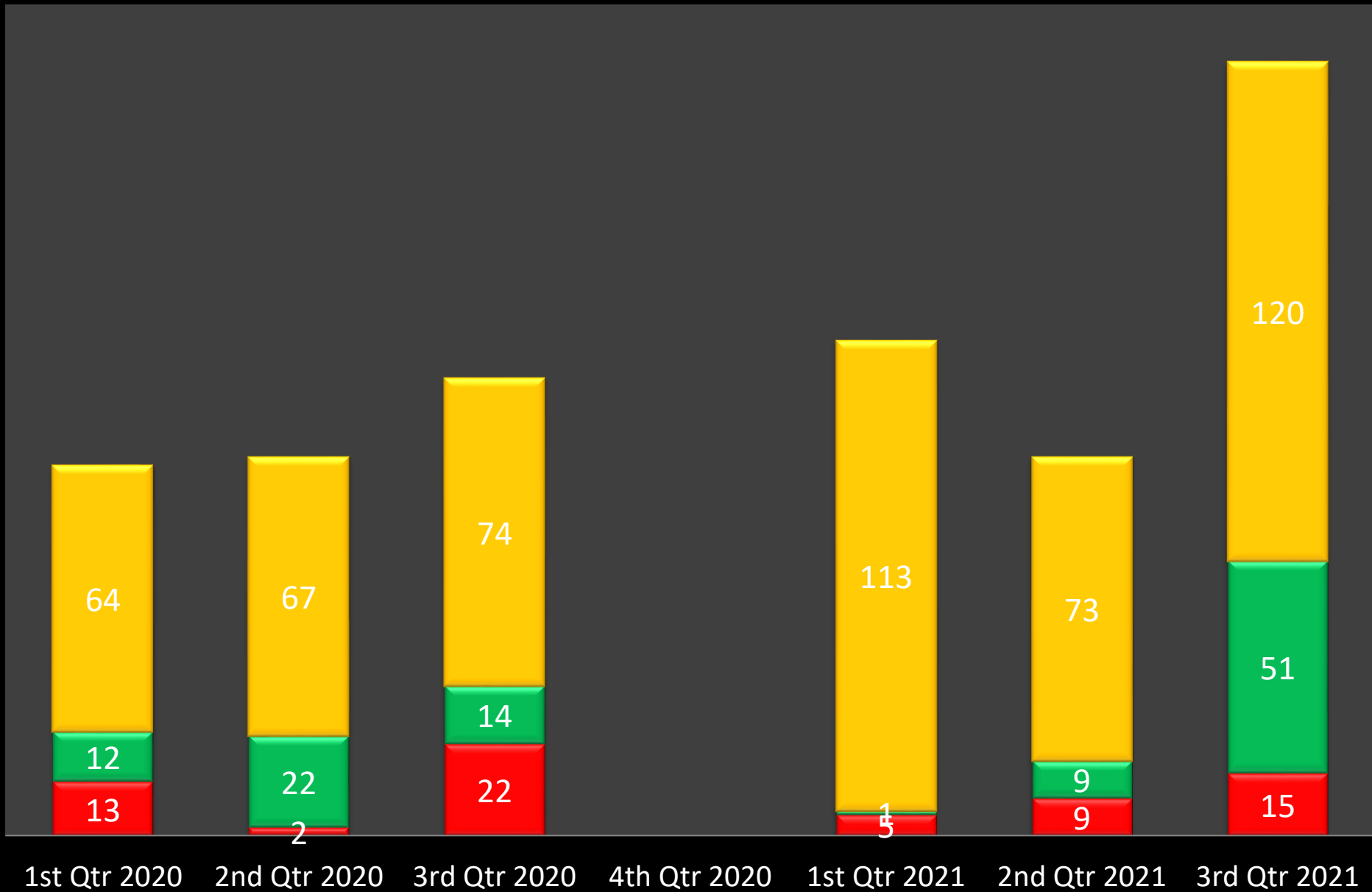


Reason for OMD Contact

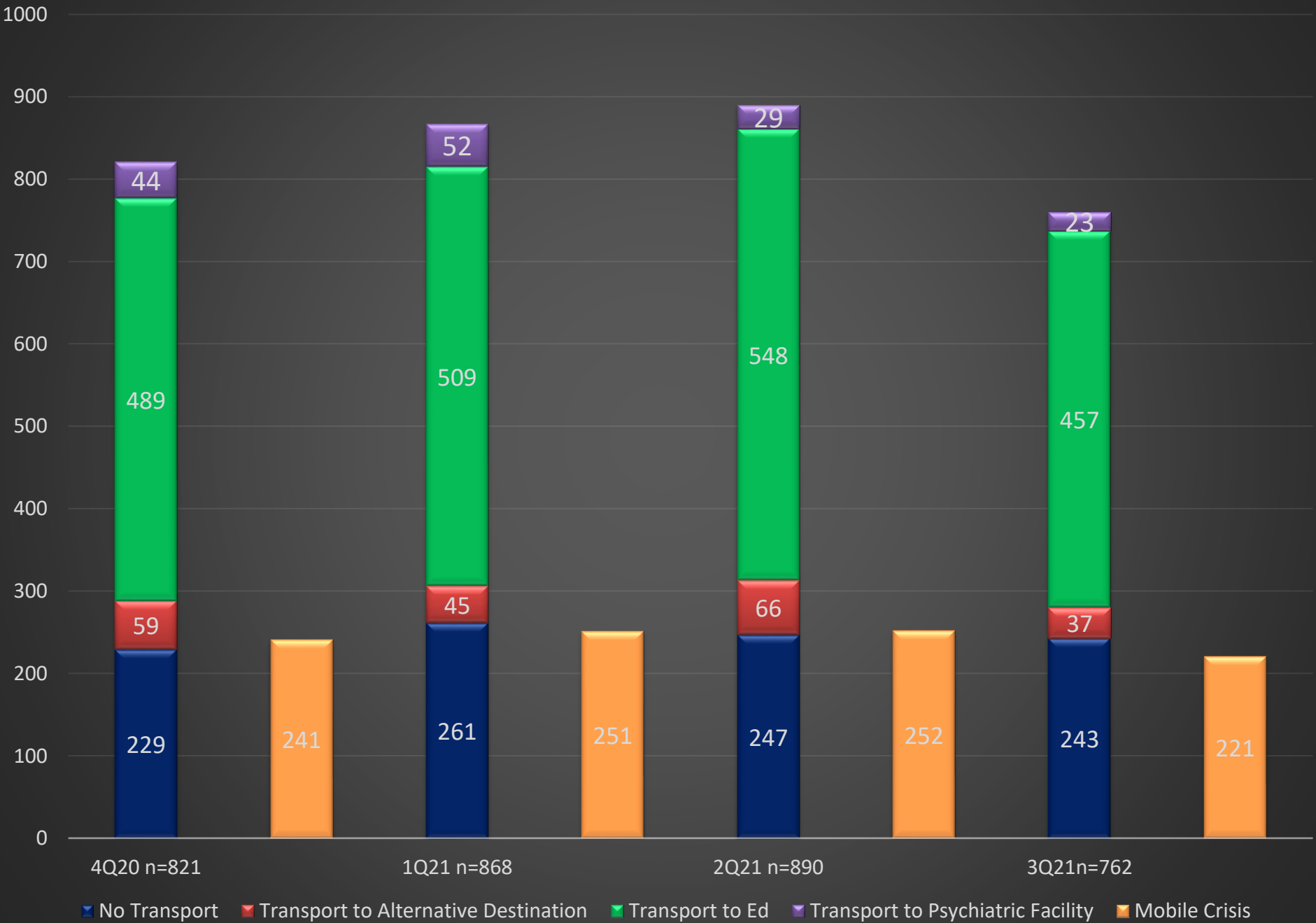
■ Automatic Notification

■ Medical Control Order

■ Unusual Event



APP Alternate Destination



3rd Quarter 2021 Alternate Destination Reason for ED Transport

