

Peer Review Clinical Data

2nd QUARTER 2025

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Chief Clinical Quality Officer

Division of Medical Affairs

August 21st, 2025

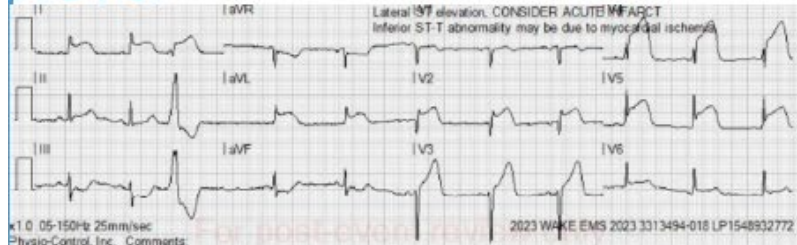


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STEMI Outcome Report

Pre-PCI

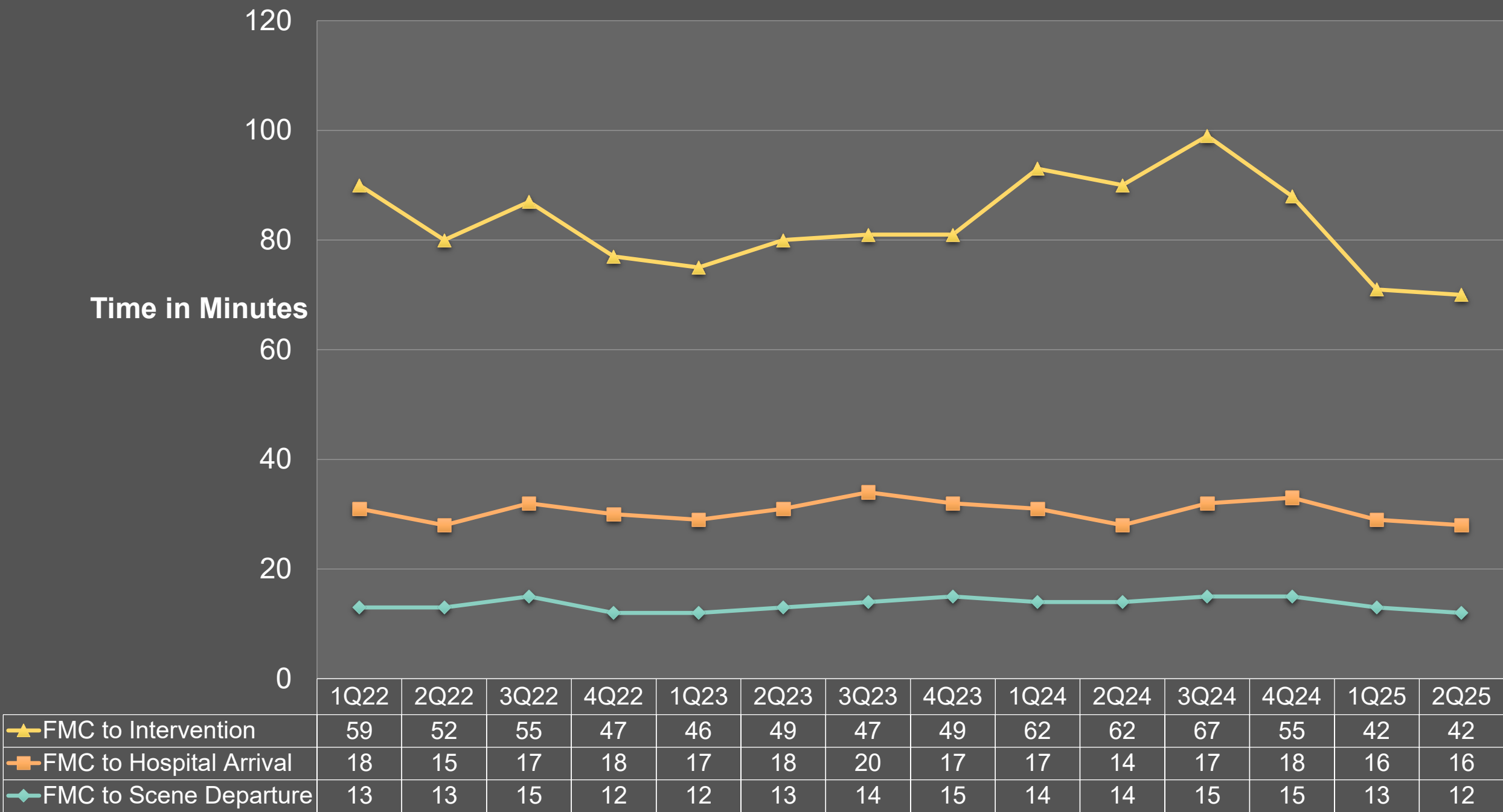


Post-PCI



CP	0	0	27	55	LAD	HOME
Chief Complaint	Time in ED	Cath Lab Ready	Door to Device	First Medical Contact to Device	VESSEL	DISPO

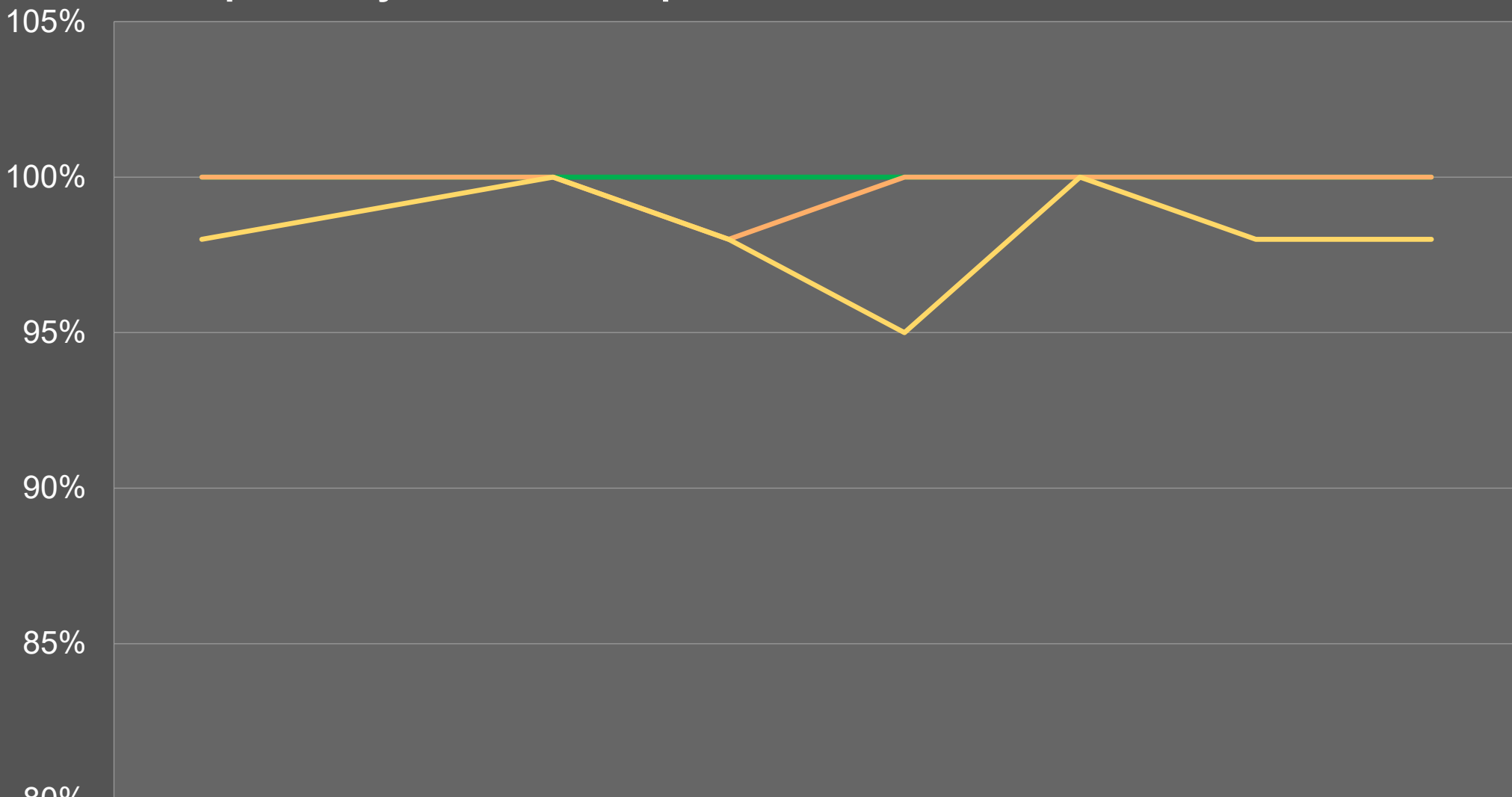
Mean Time for Patients with Confirmed STEMI; Combined for All Hospitals



EMS STEMI Bundle

Patients Transported by EMS with Suspected or Confirmed STEMI

Percentage Performed



	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25
12 Lead	100%	100%	100%	100%	100%	100%	100%	100%
ASA	100%	100%	100%	98%	100%	100%	100%	100%
Scene Time<15 min	98%	99%	100%	98%	95%	100%	98%	98%

STEMI Overtriage - 2Q2024

STEMIs activated
by EMS: 49 (88)

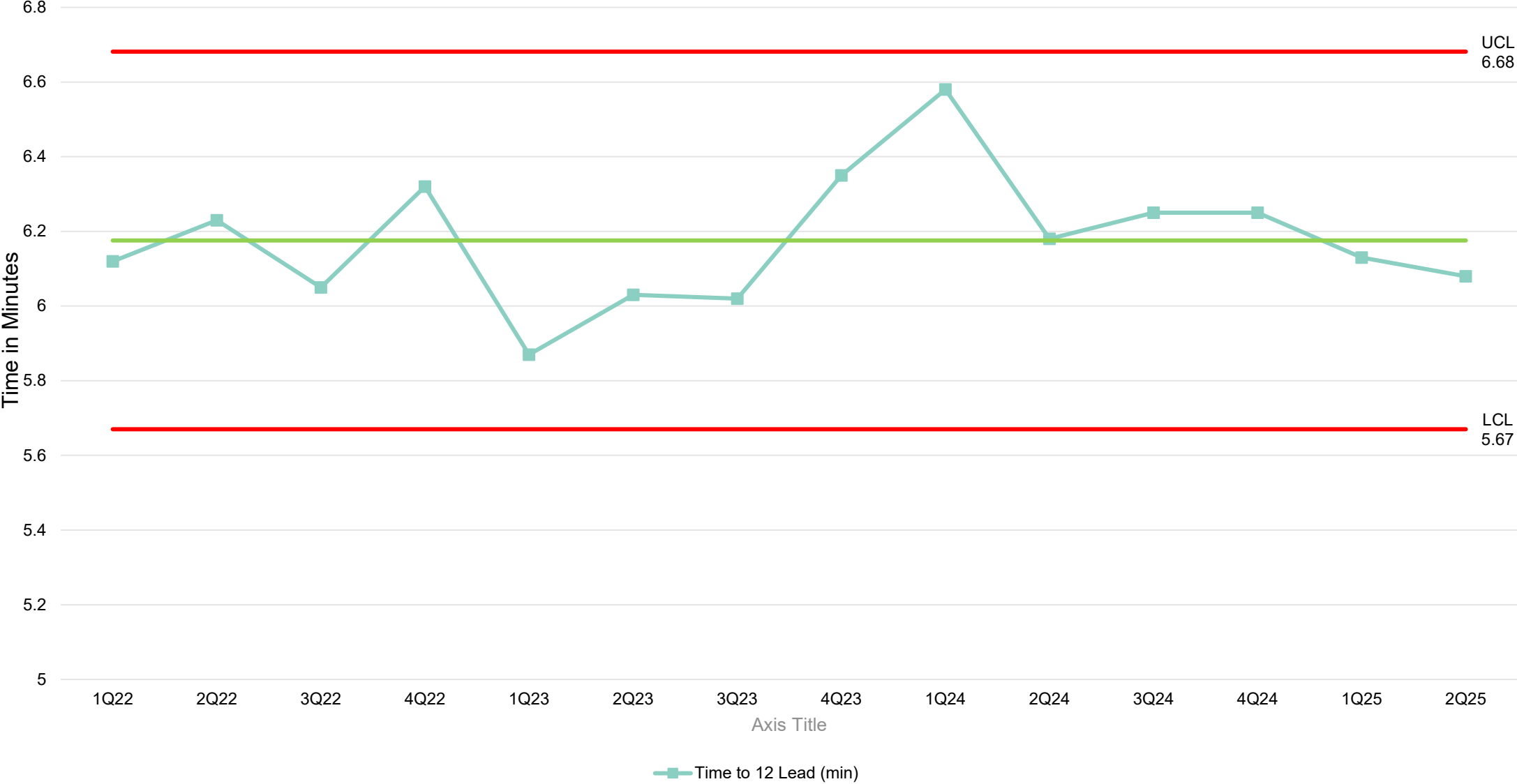
Total STEMI Activations cancelled as reported by hospitals: n= 44

- ED Activations sent for consult only by EMS: n= 23
- EMS did not activate or send for consult: n= 3

STEMIs activated by EMS that were cancelled by Hospital n= 18

Category	Reason Cancelled	Final Disposition = Triage Correctly	Final Disposition = Over Triage
ED EKG Does Not Meet STEMI Criteria	8	5	3
ST Elevation Resolved	2	2	0
Expired / Refused	4	4	0
STEMI Imposter (LVH, J Point Elev., Etc)	2	1	1
Other	2	1	1
		*4/5 EKG's read "STEMI"	*10% Overtriage Rate

Wake EMS
Chest Pain Patient Contact to 12lead Time in Minutes



Stroke Outcome Report

SUMMARY

- y.o female presented to ED. Per EMS, pt was found unresponsive in [REDACTED]
- EMS noted a dysconjugate gaze, right sided weakness and facial droop
- LKW 13:15 per daughter
- Initial NIHSS = 28 (LOC, gaze, weakness, language, dysarthria)
- CTA head/neck revealed a basilar tip, proximal left PCA and bilat SCA acute occlusions

BEFORE

vs.

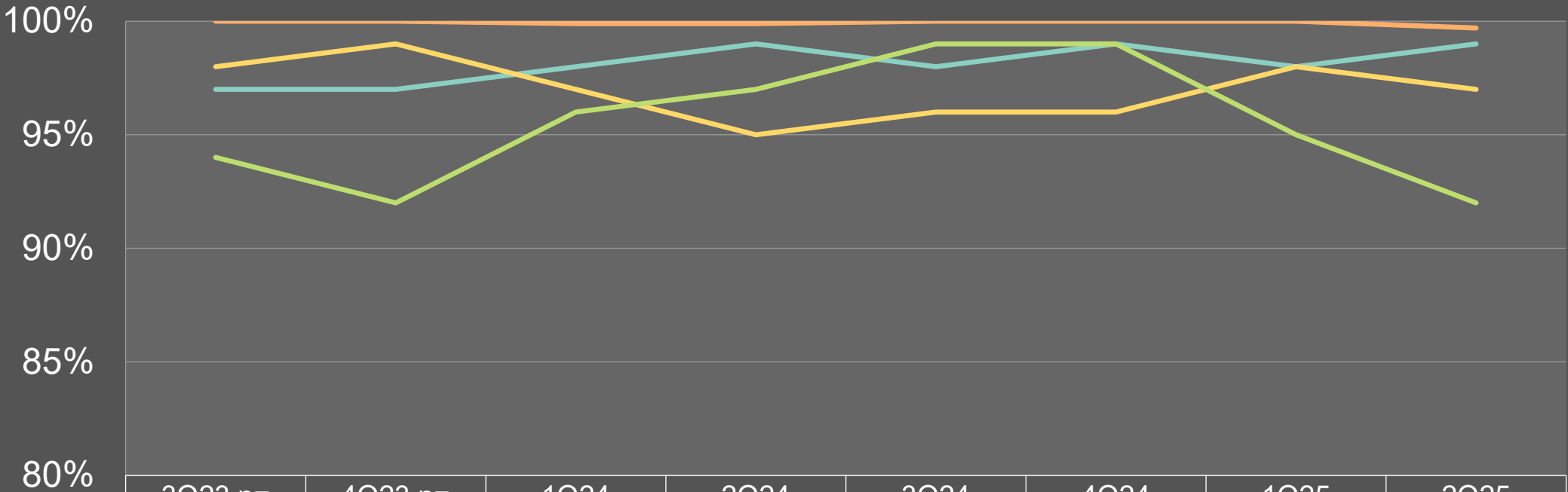
AFTER



Arrival Time	16:38
CODE STROKE *55	16:42
LKW MD Notes	13:15
GROIN	17:47
FIRST PASS	17:56
FINAL TICI	3
CODE STROKE CALCULATIONS	
LKW to Arrival	3:23
IA CALCULATIONS	
DOOR TO GROIN	Goal < 90 min 1:09
GROIN TO TICI 2B	Goal < 60min 0:10
EMS INCIDENT NUMBER	
[REDACTED]	
PROCEDURAL OUTCOMES	
▪ Occlusion of distal basilar artery. Initial TICI = 0	
▪ Successful thrombectomy with final TICI = 2C	
CLINICAL OUTCOMES	
▪ As of [REDACTED] = pt remains intubated at this time	

EMS Stroke Bundle
Patients Transported by EMS with Suspected or Confirmed Stroke

Percentage
Performed



12 Lead	97%	97%	98%	99%	98%	99%	98%	99%
BGL	100%	100%	100%	100%	100%	100%	100%	100%
Scene Time Justified	98%	99%	97%	95%	96%	96%	98%	97%
Blood Draw	94%	92%	96%	97%	99%	99%	95%	92%

Interventional Stroke Report

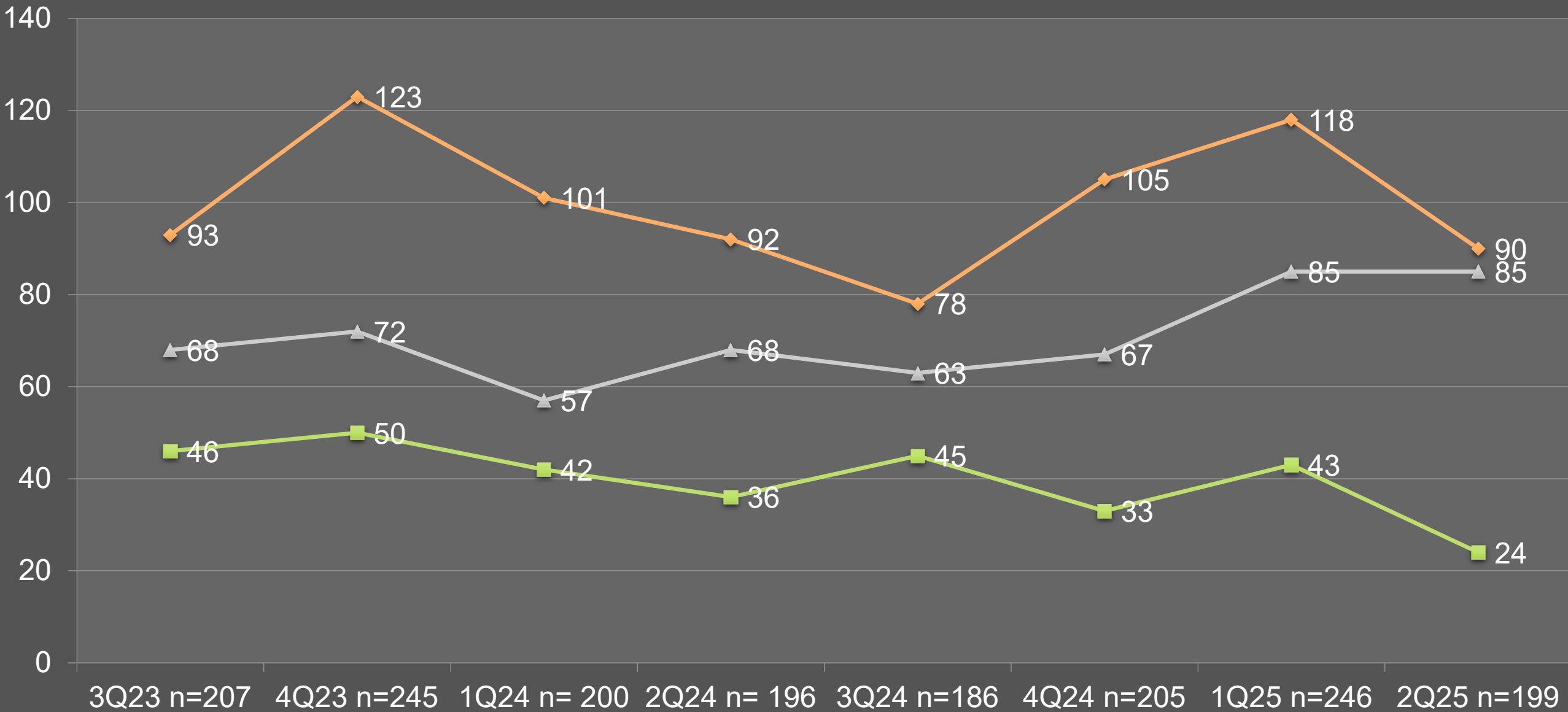
Date	Initial Hospital	Intervention Type	Intervention Performed	GroinPunctureTime	TICI
11-Apr-25	WakeMed Raleigh Campus	IA	Thrombectomy	12-Apr-25	2b
13-Apr-25	WakeMed Raleigh Campus	TNK / IA	Thrombectomy	13-Apr-25	2b
03-May-25	WakeMed Raleigh Campus	IA	Thrombectomy	03-May-25	2b
15-May-25	WakeMed Cary	TNK / IA	Thrombectomy	15-May-25	3
16-May-25	WakeMed Cary	TNK / IA	Thrombectomy	15-May-25	3
23-May-25	WakeMed Raleigh Campus	IA	Thrombectomy	31-May-25	3
31-May-25	WakeMed Raleigh Campus	IA	Thrombectomy	31-May-25	3
04-Jun-25	WakeMed Raleigh Campus	IA	None	04-Jun-25	2a
07-Jun-25	WakeMed Cary	TNK / IA	Thrombectomy	07-Jun-25	2b
09-Jun-25	UNC Rex Healthcare	IA	Thrombectomy	09-Jun-25	3
16-Jun-25	UNC Rex Healthcare	TNK / IA	Thrombectomy	16-Jun-25	3
25-Jun-25	WakeMed Cary	IA	Thrombectomy	25-Jun-25	2b
25-Jun-25	WakeMed Raleigh Campus	TNK / IA	Thrombectomy	25-Jun-25	3
29-Jun-25	WakeMed Cary	IA	Thrombectomy	29-Jun-25	3

Cardiac Arrest



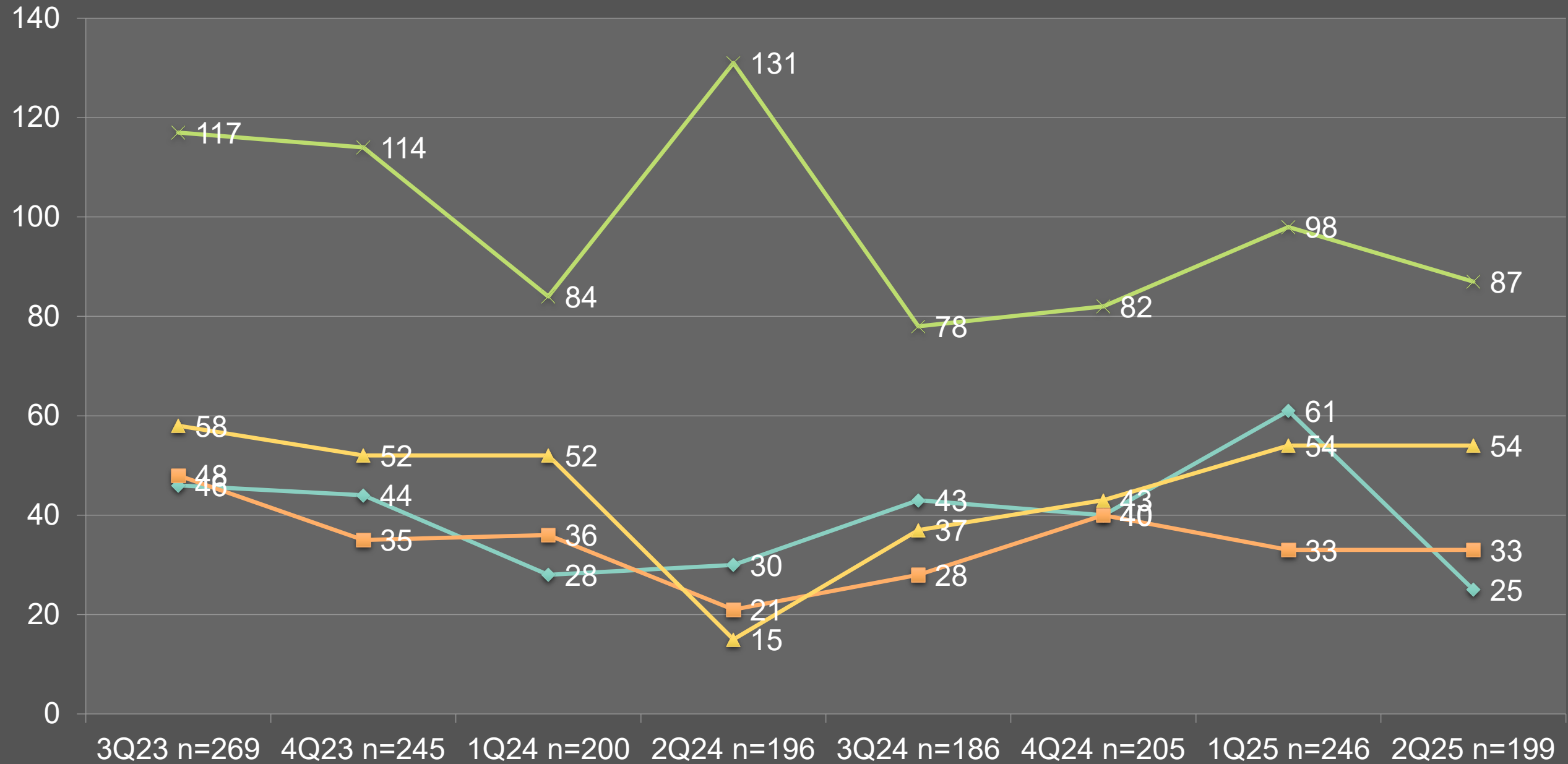
Cardiac Arrest: Disposition for Attempted Resuscitations

—◆— Resuscitation Ceased in the Field —■— Transport to Hospital with no ROSC —▲— Transport to Hospital with ROSC

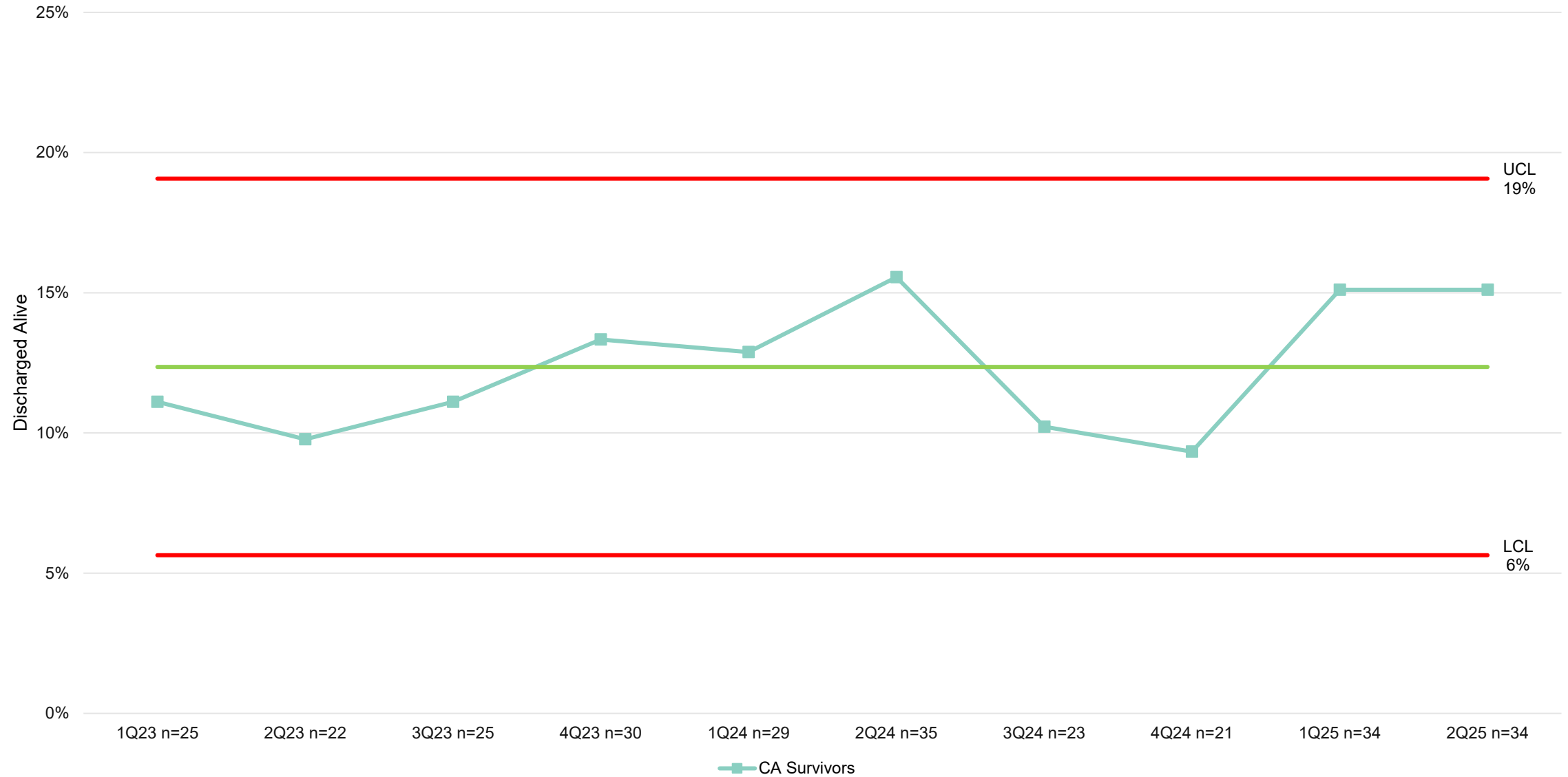


Cardiac Arrest Initial Rhythm

—◆— Aystole —■— PEA —▲— VF/VT —×— Unknown Unshockable



Cardiac Arrest Survival by Quarter (Overall Percentage)



CARES Dispatcher Assisted-CPR Report

End of the Event: Dead in Field, Pronounced Dead in ED, Ongoing Resuscitation in ED | Resuscitation Attempted by 911 Responder: Yes | Presumed Cardiac Etiology, Respiratory/Asphyxia, Drowning/Submersion, Electrocution, Other, Drug Overdose, Exsanguination/Hemorrhage | Date of Arrest: From 04/01/2025 Through 06/30/2025

ALL TIME

2Q25

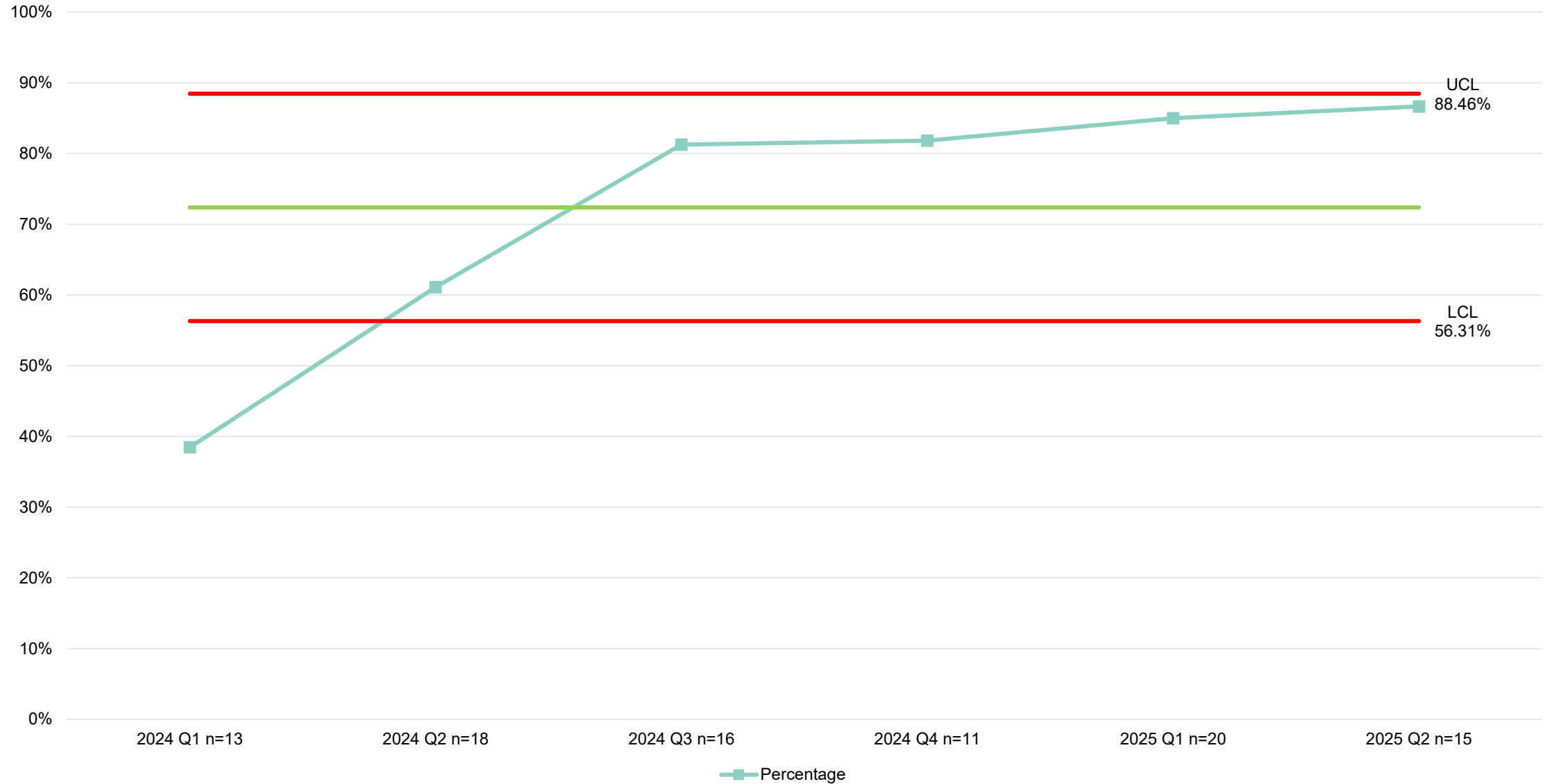
Characteristic	Wake County EMS System
Bystander CPR (Module-based)	N=2095
Bystander CPR with dispatcher assistance	1118 (53.4%)
Bystander CPR without dispatcher assistance	202 (9.6%)
Dispatcher CPR Instructions	
Dispatcher recognized need for CPR	1629 (88.8%)
CPR instructions started	1519 (82.2%)
CPR instructions refused	53 (3.8%)
Compressions started	1135 (64.3%)
Time Intervals	
Call receipt to CPR recognition	1644
Mean	01:17
Median	00:50
Call receipt to CPR instruction	1554
Mean	01:45
Median	01:23
Call receipt to first compression	1185
Mean	02:56
Median	02:39

Characteristic	Wake County EMS System
Bystander CPR (Module-based)	N=102
Bystander CPR with dispatcher assistance	43 (42.2%)
Bystander CPR without dispatcher assistance	20 (19.6%)
Dispatcher CPR Instructions	
Dispatcher recognized need for CPR	79 (98.8%)
CPR instructions started	75 (98.7%)
CPR instructions refused	2 (3.1%)
Compressions started	45 (65.2%)
Time Intervals	
Call receipt to CPR recognition	78
Mean	00:58
Median	00:40
Call receipt to CPR instruction	75
Mean	01:31
Median	01:11
Call receipt to first compression	45
Mean	02:54
Median	02:41



Miscellaneous Clinical Reports

Percentage of Field Deliveries Receiving Oxytocin by EMS



Transports By Facility

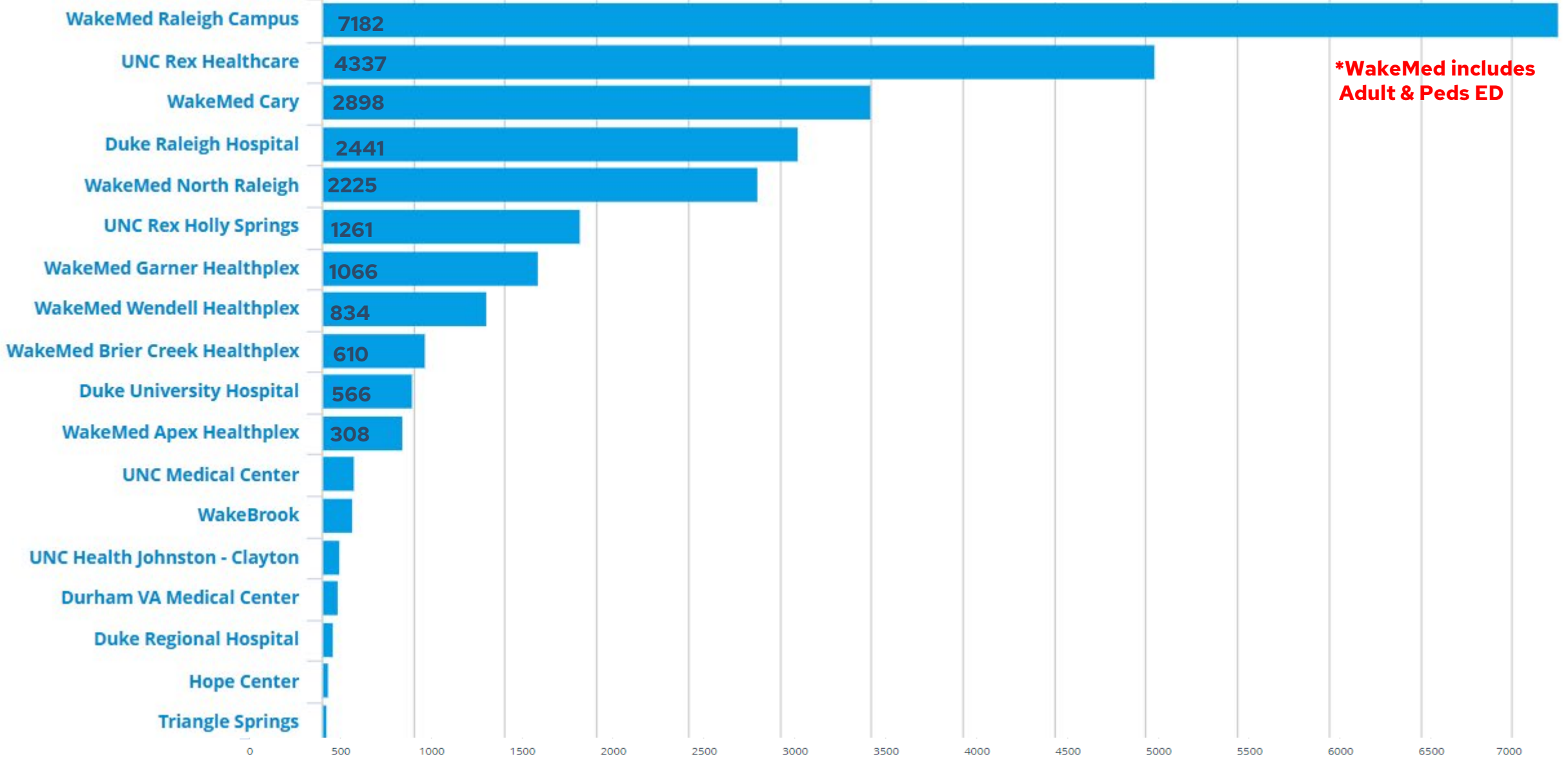
24,451

RECORDS

In Selected Time Slice

-523 transports
From 1Q25

Apr 1, 2025 - Jun 30, 2025



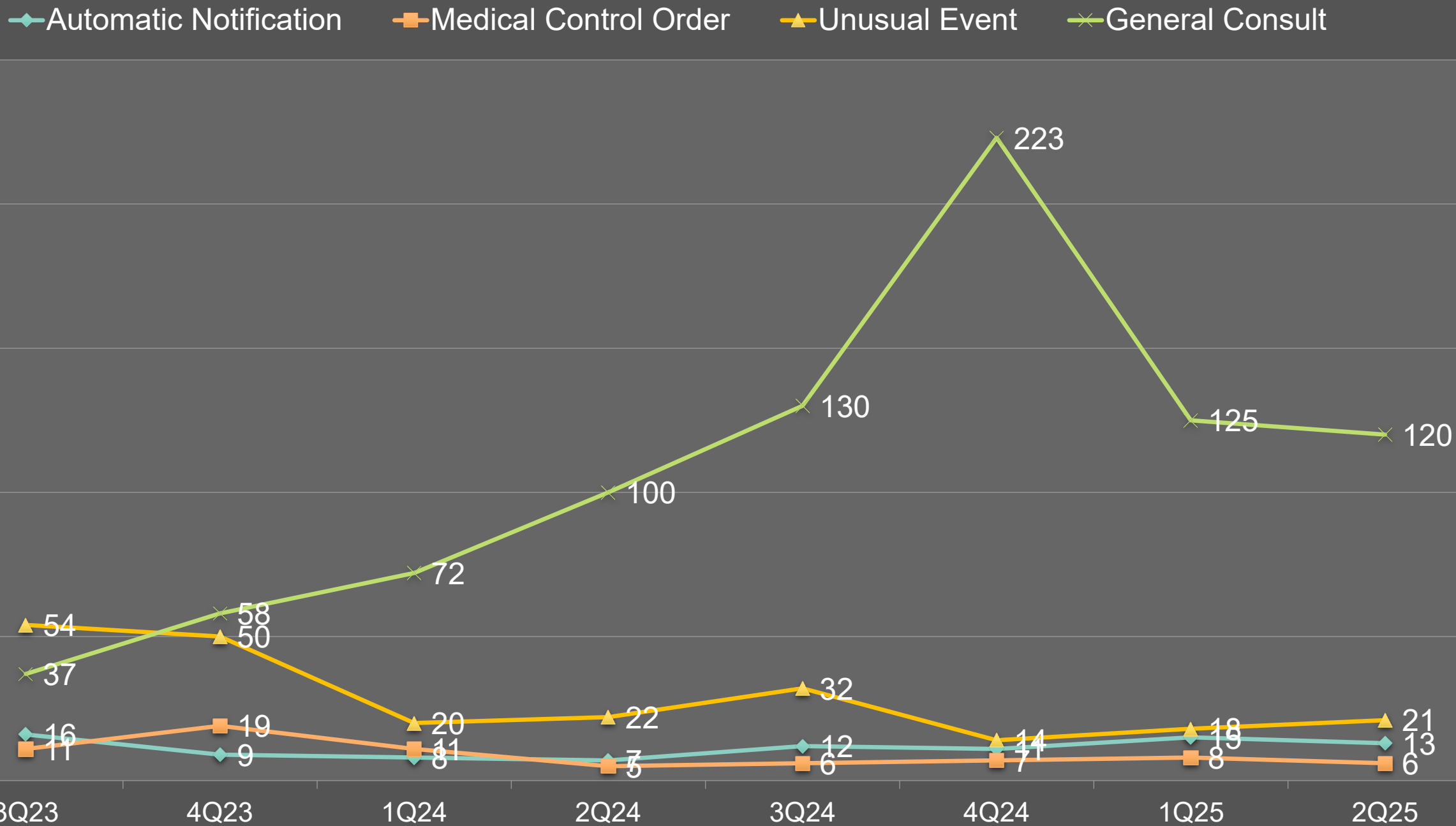
Transports by Quarter



Penetrating Trauma Scene Time

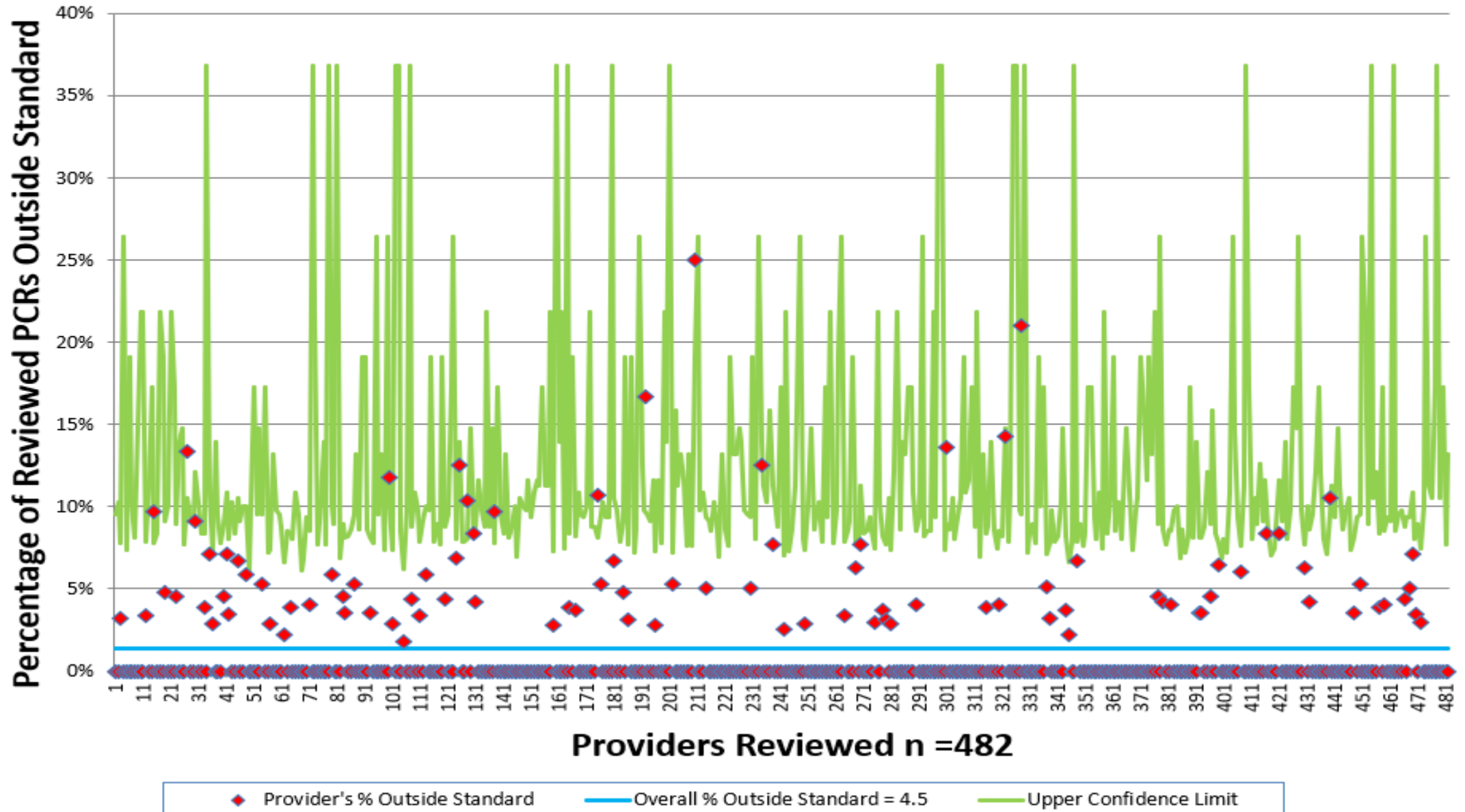


Reason for OLMC Contact



QA ePCR Chart Review

Clinical Care Outside Standard
(based on EBM Bundles, n = 8693 PCRs)



Mental Health / Substance Use Alternate Destination

Michael Lyons

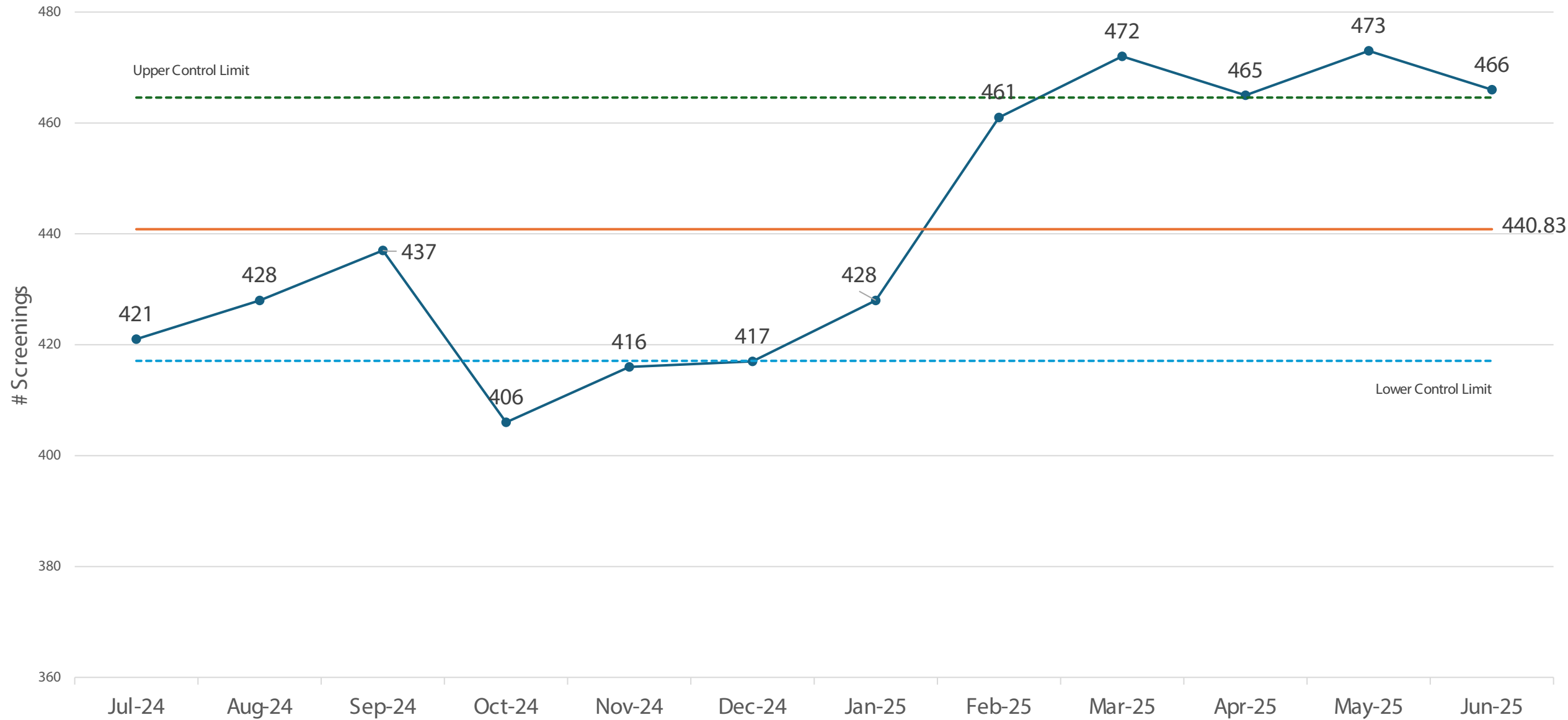
Commander – Mobile Integrated Health



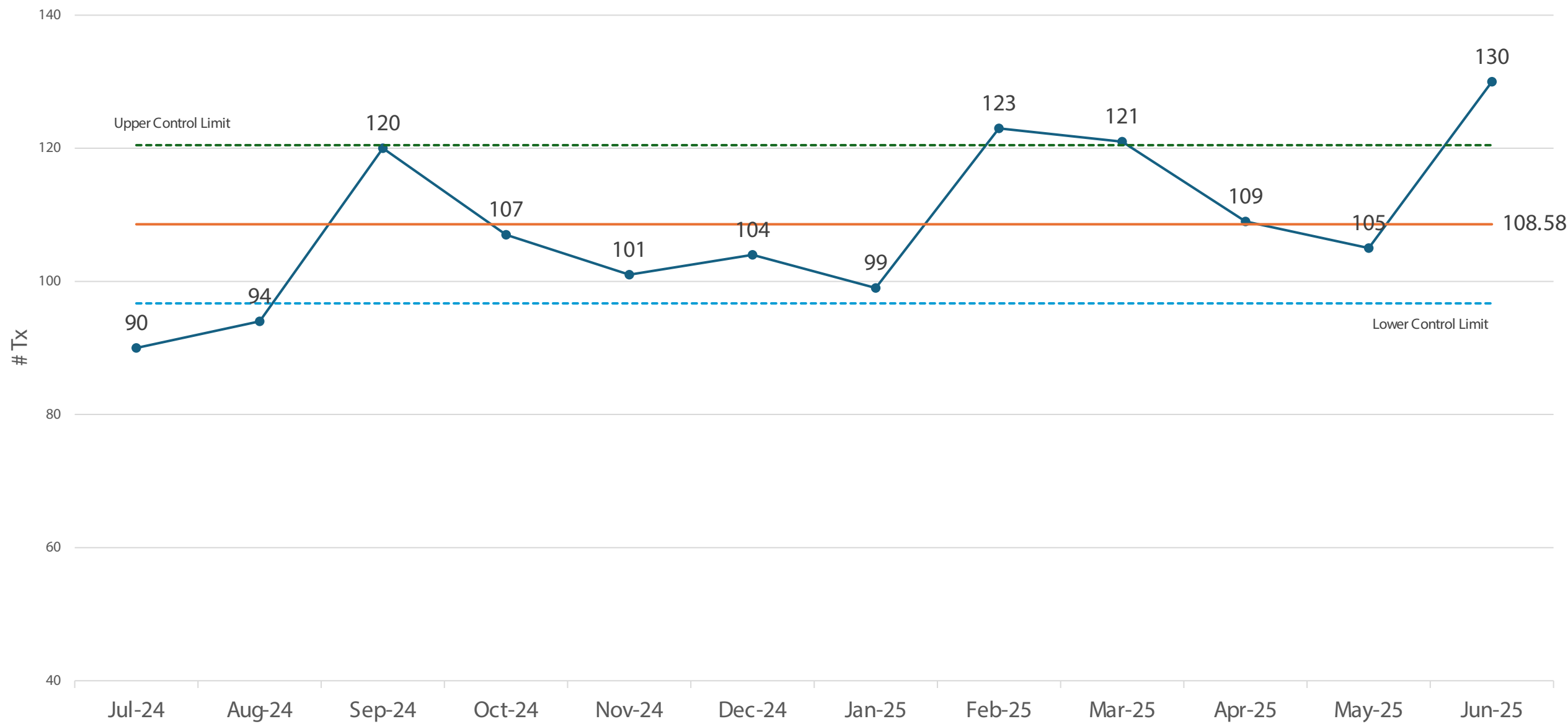
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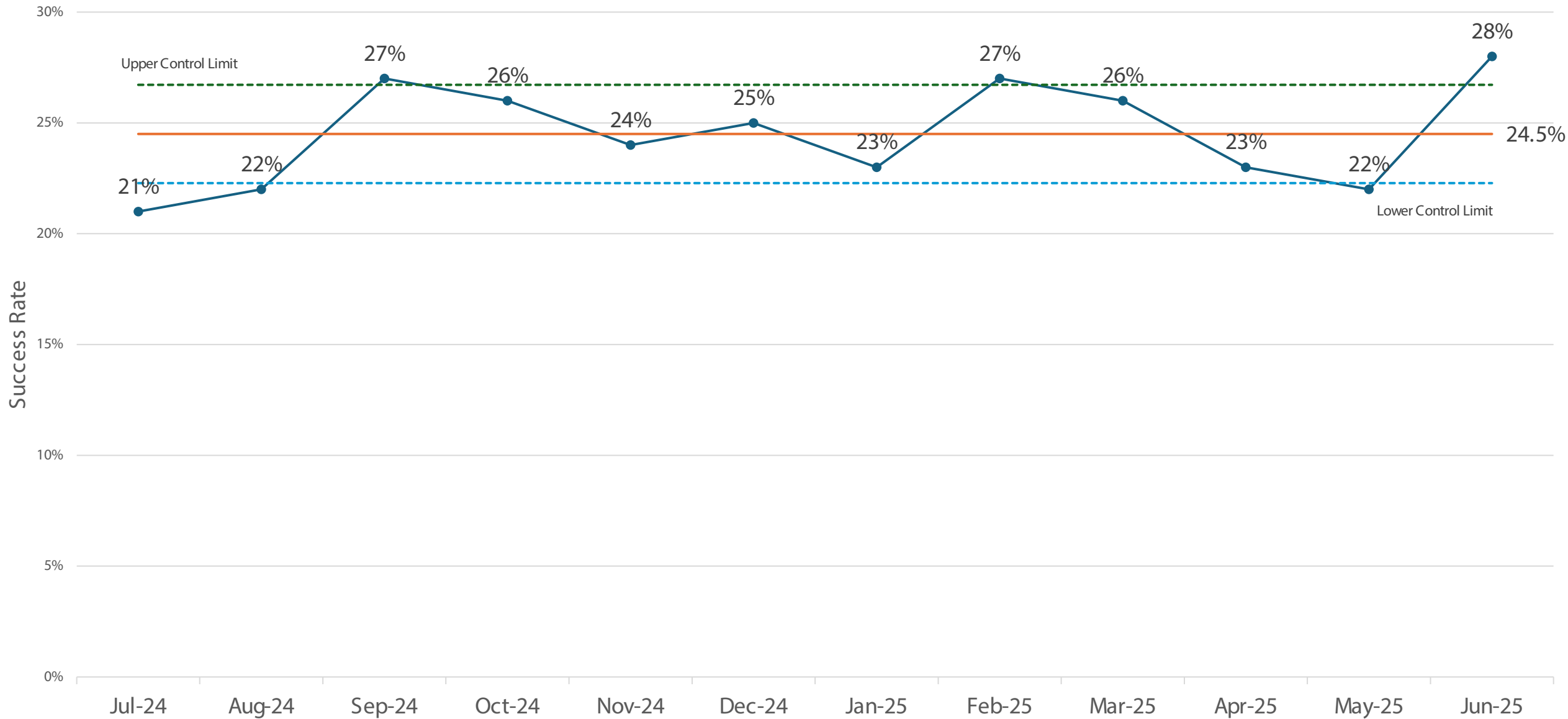
APP MH Screenings



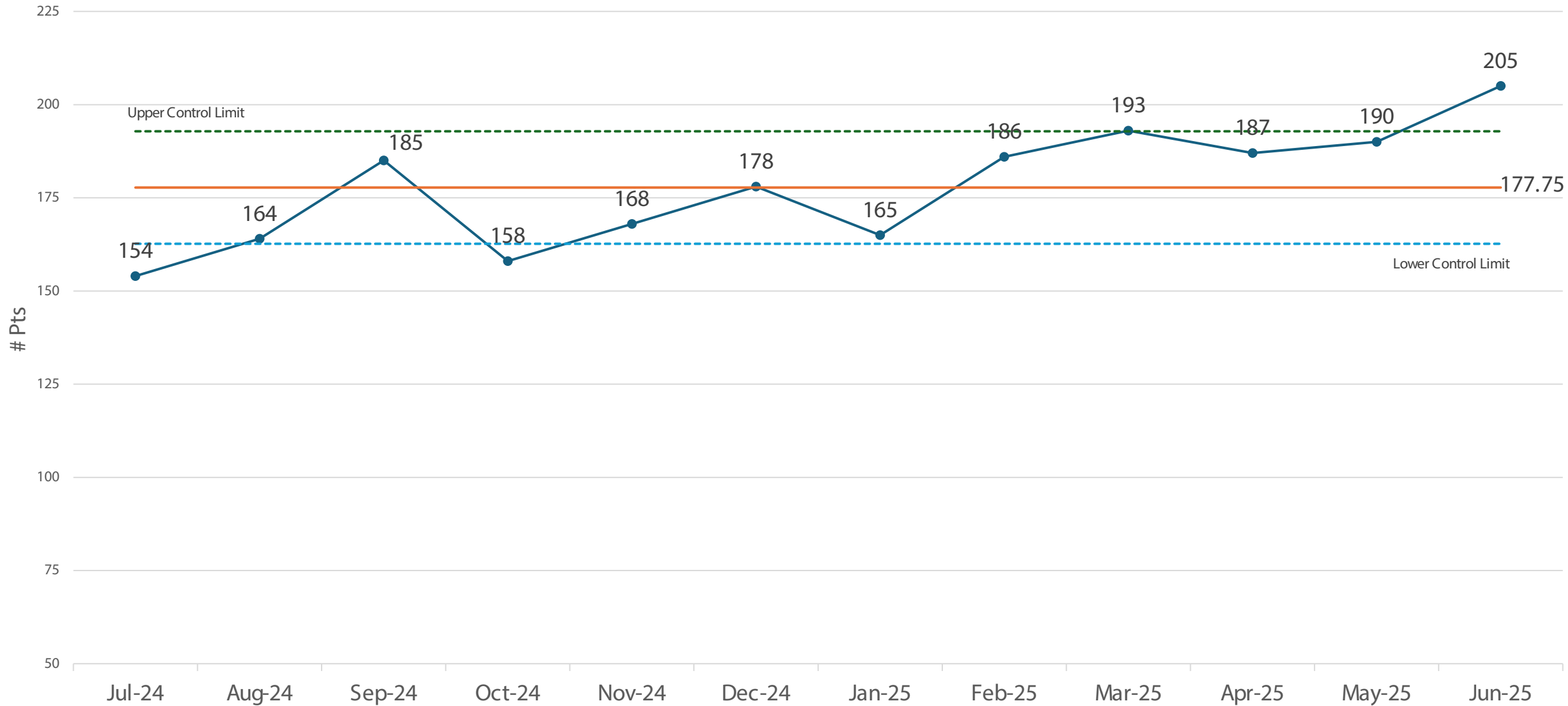
Alternate Destinations



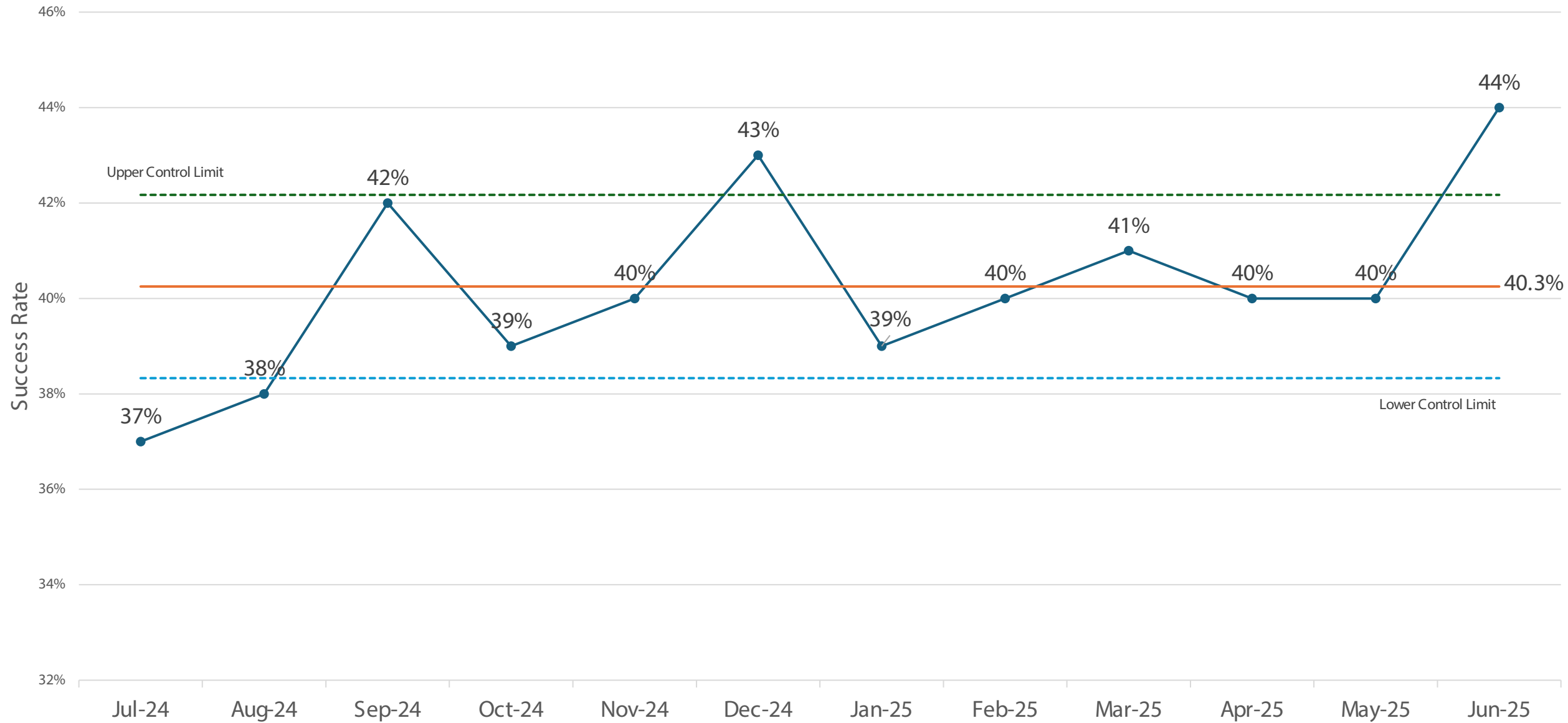
Alternate Success Rate



MH/SA Non-ED Dispositions



MH/SA Non-ED Disposition Rate



Buprenorphine Update

Buprenorphine screenings since 7/5/2023:

870

Total patients who received buprenorphine:

146

Total buprenorphine doses administered:

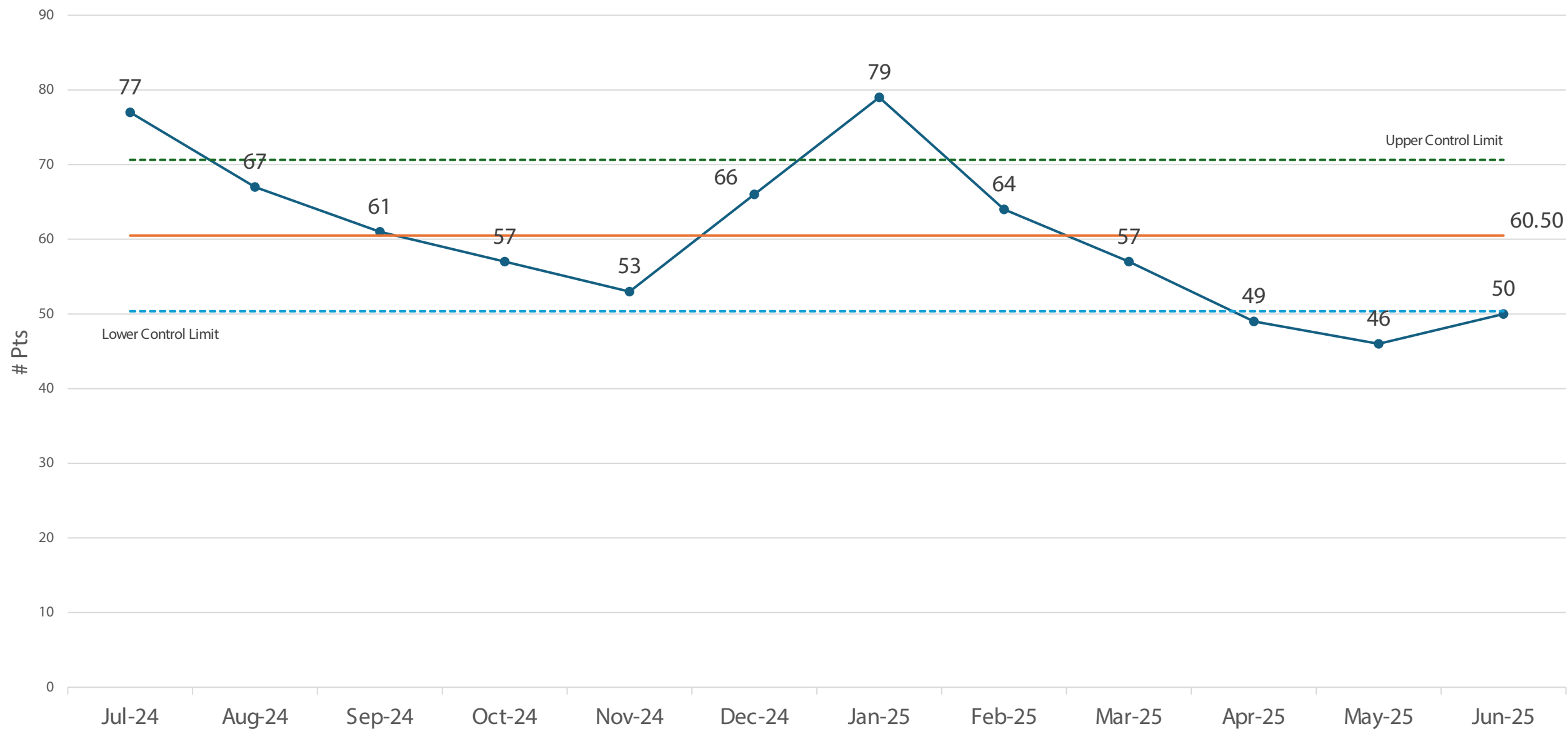
256

**Total patients who followed up with
SouthLight:**

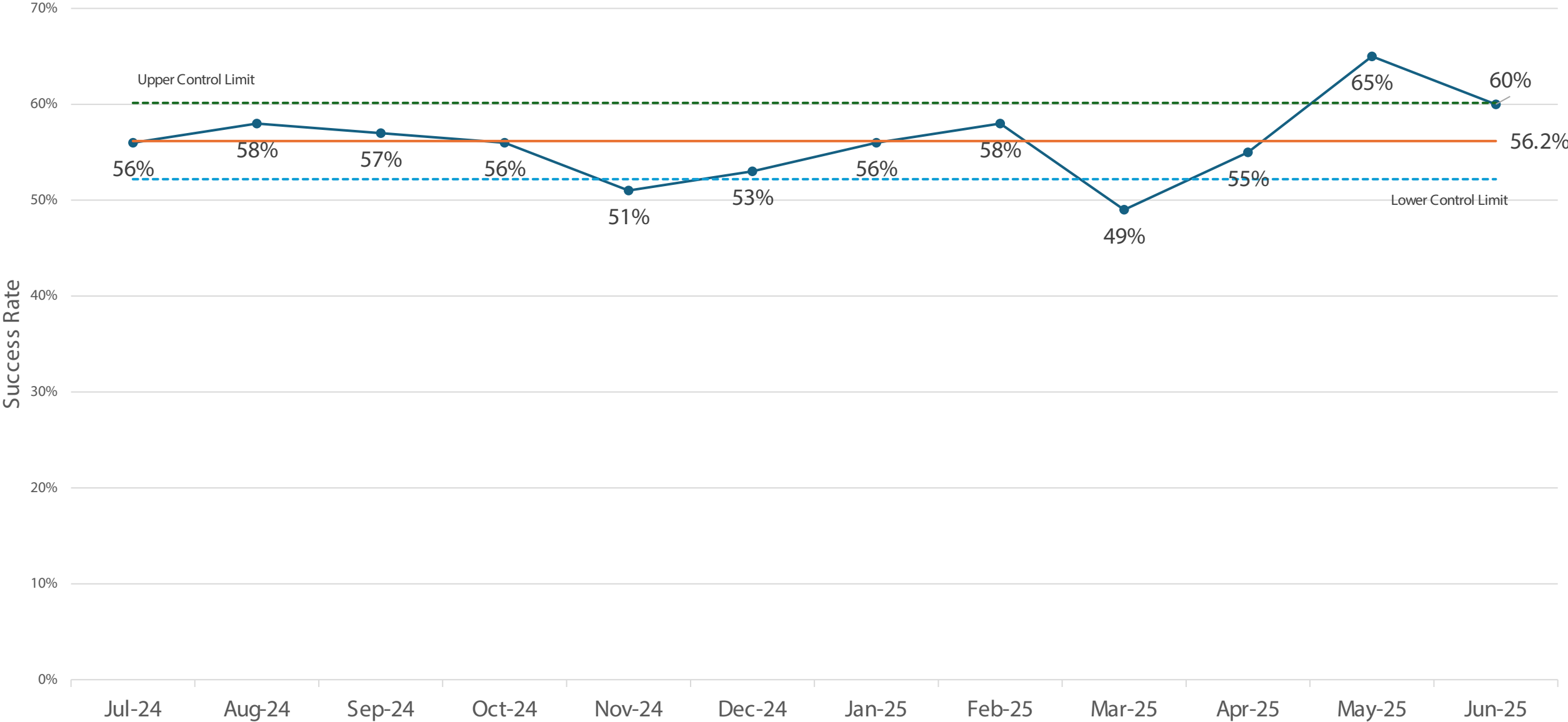
52



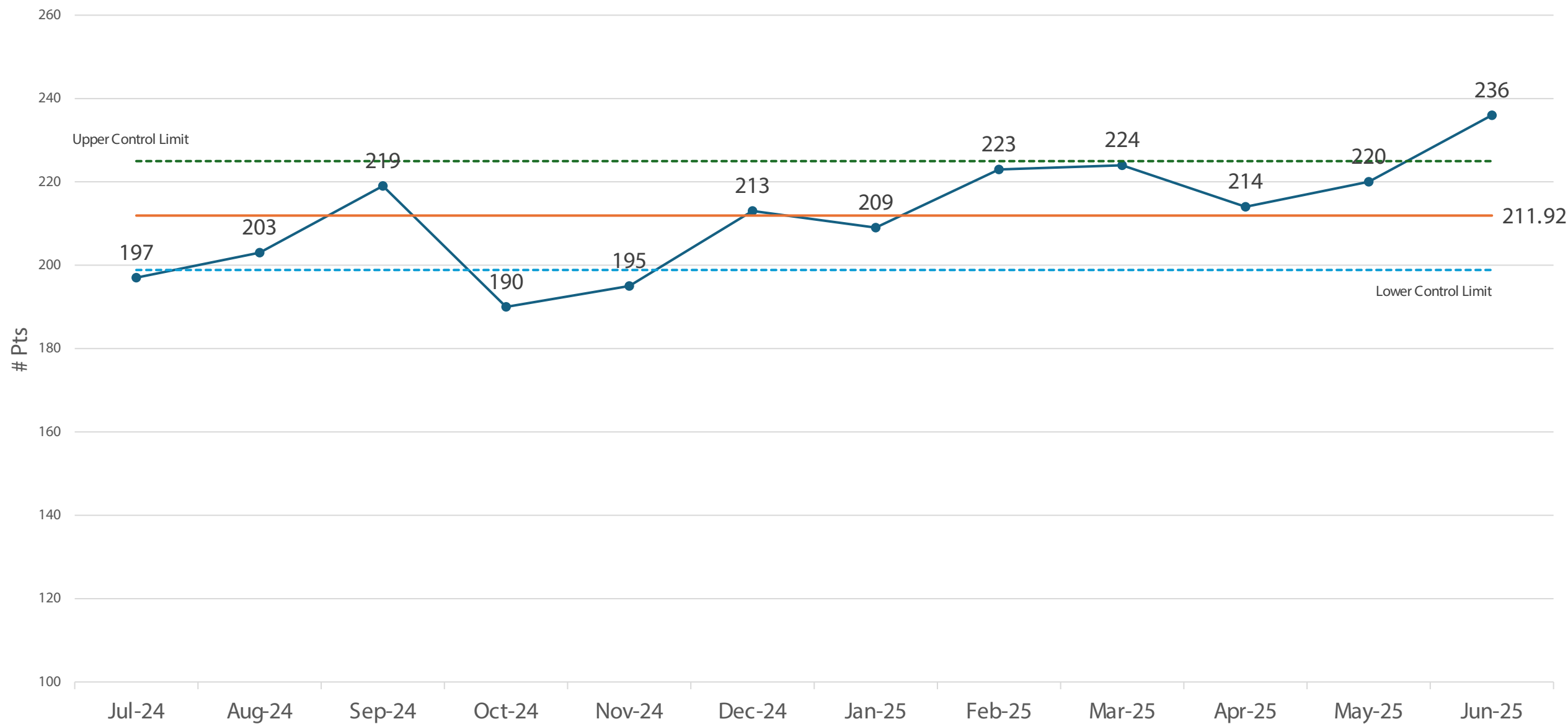
Falls in Assisted Living Facilities



Falls in ALF Success Rate



Total Non-ED Transport Dispositions





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