

Peer Review Clinical Data

1st QUARTER 2026

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Clinical Quality Officer

Division of Medical Affairs

May 21st, 2026

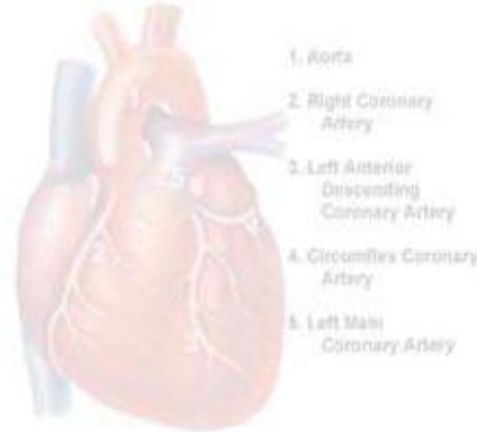
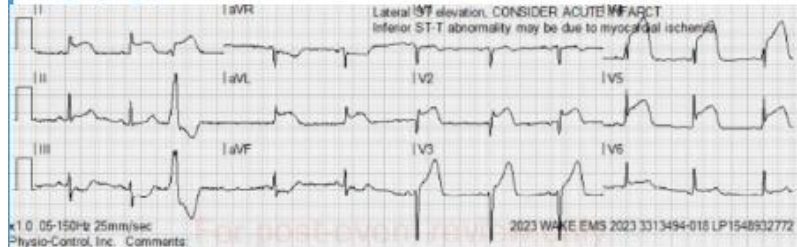


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STEMI Outcome Report

Pre-PCI

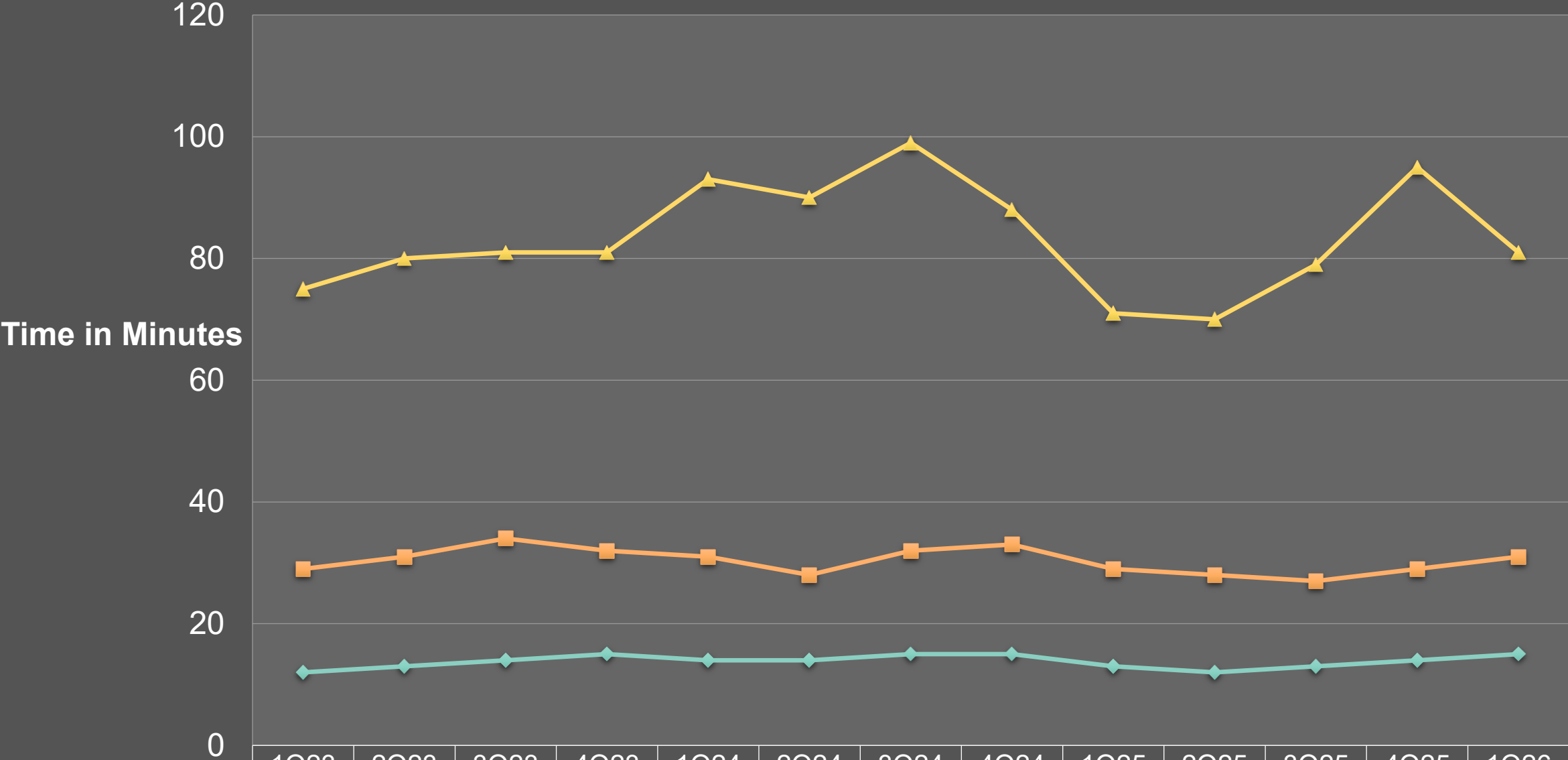


Post-PCI



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

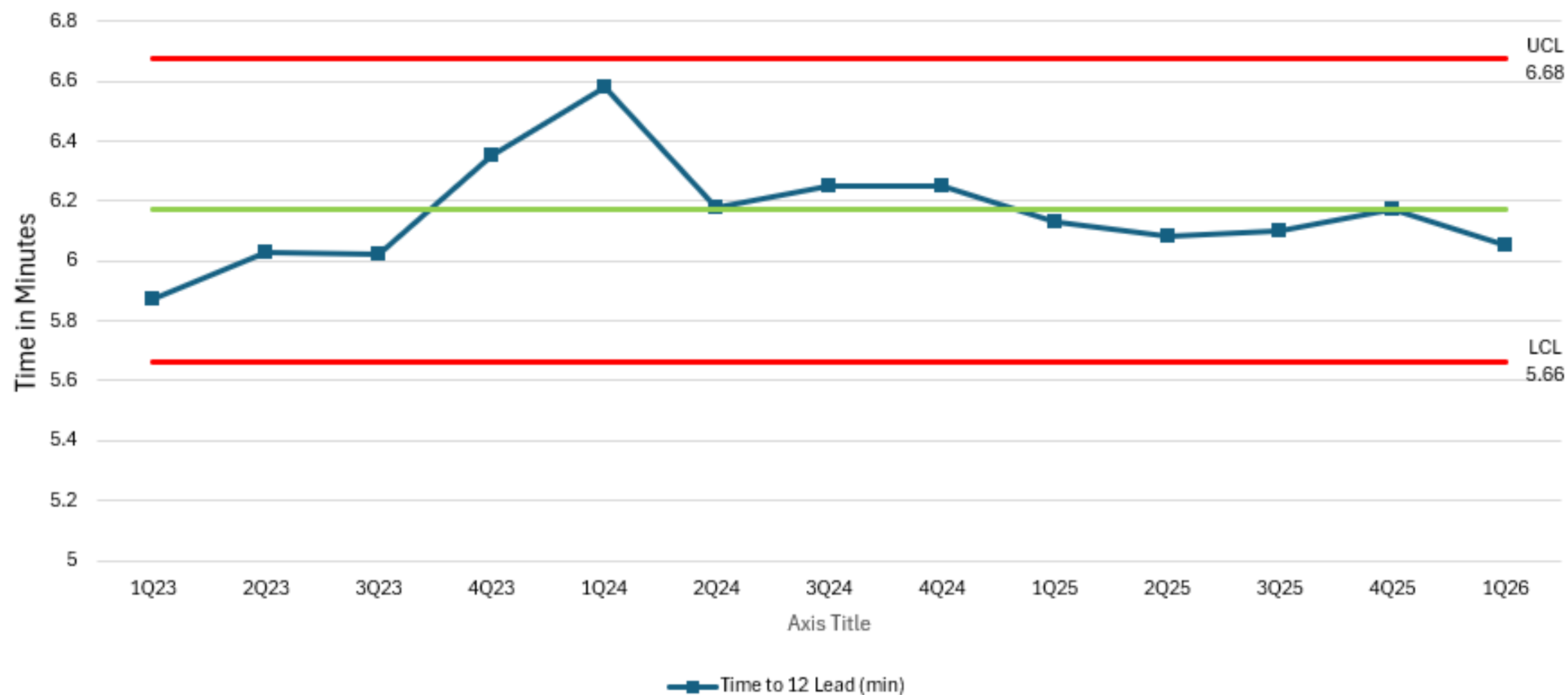
Mean Time for Patients with Confirmed STEMI; Combined for All Hospitals



▲ FMC to Intervention	46	49	47	49	62	62	67	55	42	42	52	66	50
■ FMC to Hospital Arrival	17	18	20	17	17	14	17	18	16	16	14	15	16
◆ FMC to Scene Departure	12	13	14	15	14	14	15	15	13	12	13	14	15

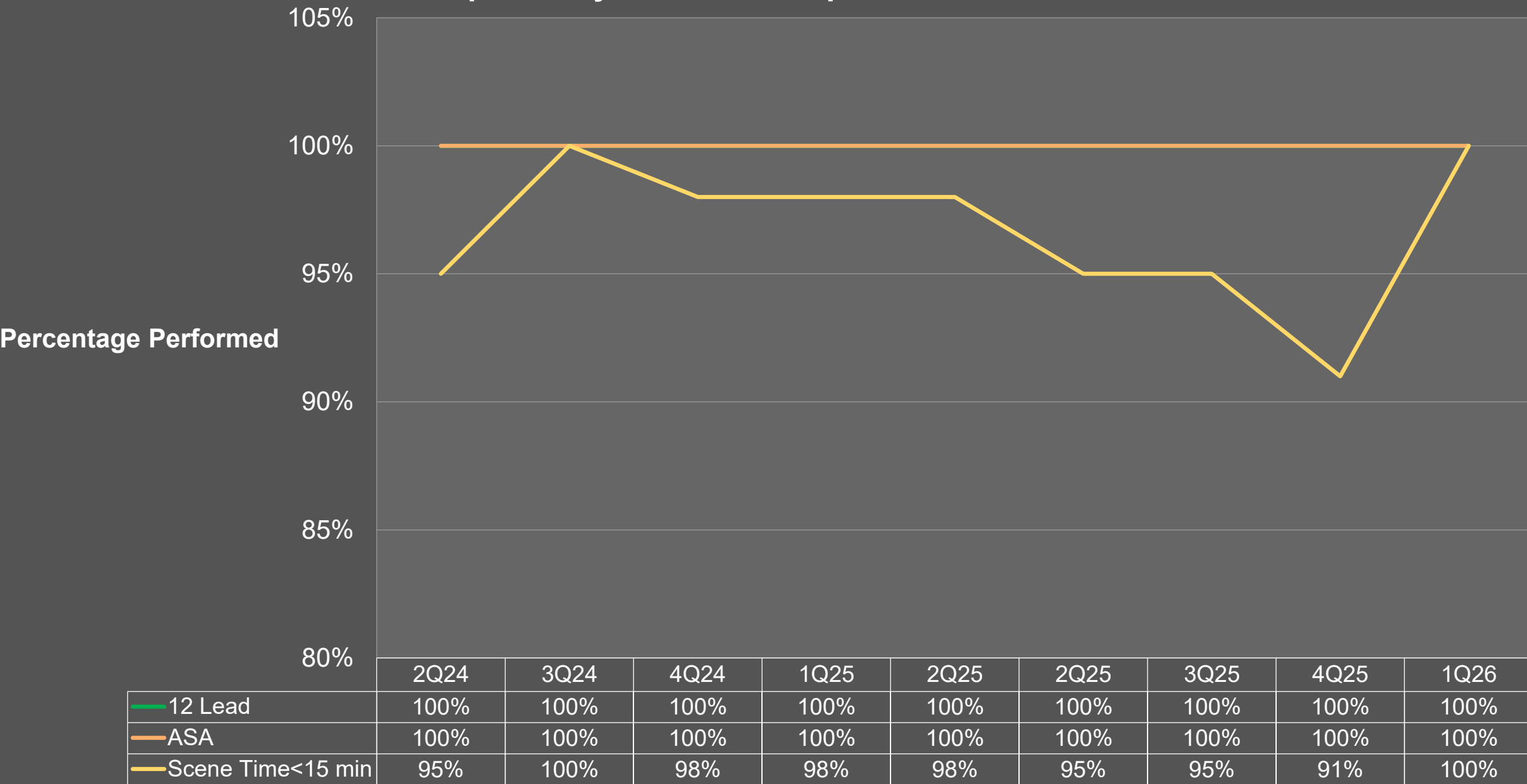
Wake EMS

Chest Pain Patient Contact to 12lead Time in Minutes



EMS STEMI Bundle

Patients Transported by EMS with Suspected or Confirmed STEMI



STEMI Overtriage - 1Q2026

**STEMIs activated
by EMS: 68**

Total STEMI Activations cancelled as reported by hospitals: n= 33

- ED Activations sent for consult only by EMS: n= 14
- EMS did not activate or send for consult: n= 6

STEMIs activated by EMS that were cancelled by Hospital n= 13

Category	Reason Cancelled	Final Disposition = Triage Correctly	Final Disposition = Over Triage
ED EKG Does Not Meet STEMI Criteria	6	5	1
ST Elevation Resolved	1	0	1
Expired / Refused	0	0	0
STEMI Imposter (LVH, J Point Elev., Etc)	2	1	1
Other	4	3	1
			6 % Overtriage Rate

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

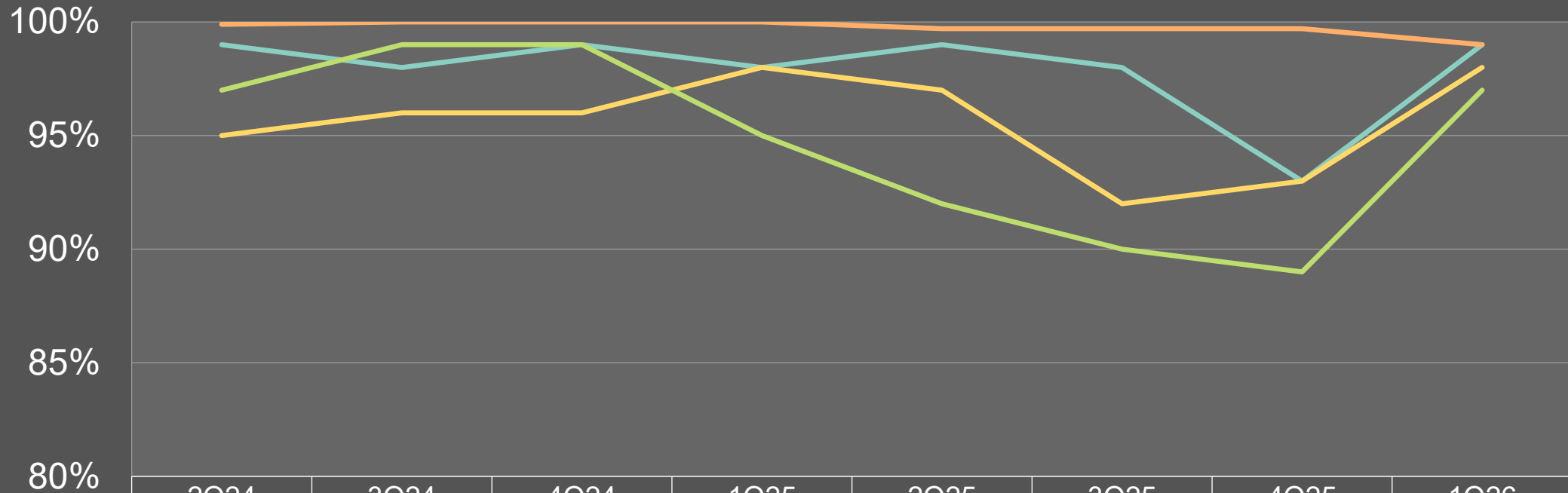


Arrival Time	16:38
CODE STROKE *55	16:42
LKW MD Notes	13:15
GROIN	17:47
FIRST PASS	17:56
FINAL TICI	3
CODE STROKE CALCULATIONS	
LKW to Arrival	3:23
IA CALCULATIONS	
DOOR TO GROIN	Goal < 90 min 1:09
GROIN TO TICI 2B	Goal < 60min 0:10
EMS INCIDENT NUMBER	
[REDACTED]	
PROCEDURAL OUTCOMES	
▪ Occlusion of 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



	2Q24 n=331	3Q24 n=300	4Q24 n=328	1Q25 n=357	2Q25 n=352	3Q25 n=365	4Q25 n=365	1Q26 n=358
12 Lead	99%	98%	99%	98%	99%	98%	93%	99%
BGL	100%	100%	100%	100%	100%	100%	100%	99%
Scene Time Justified	95%	96%	96%	98%	97%	92%	93%	98%
Blood Draw	97%	99%	99%	95%	92%	90%	89%	97%

Interventional Stroke Report

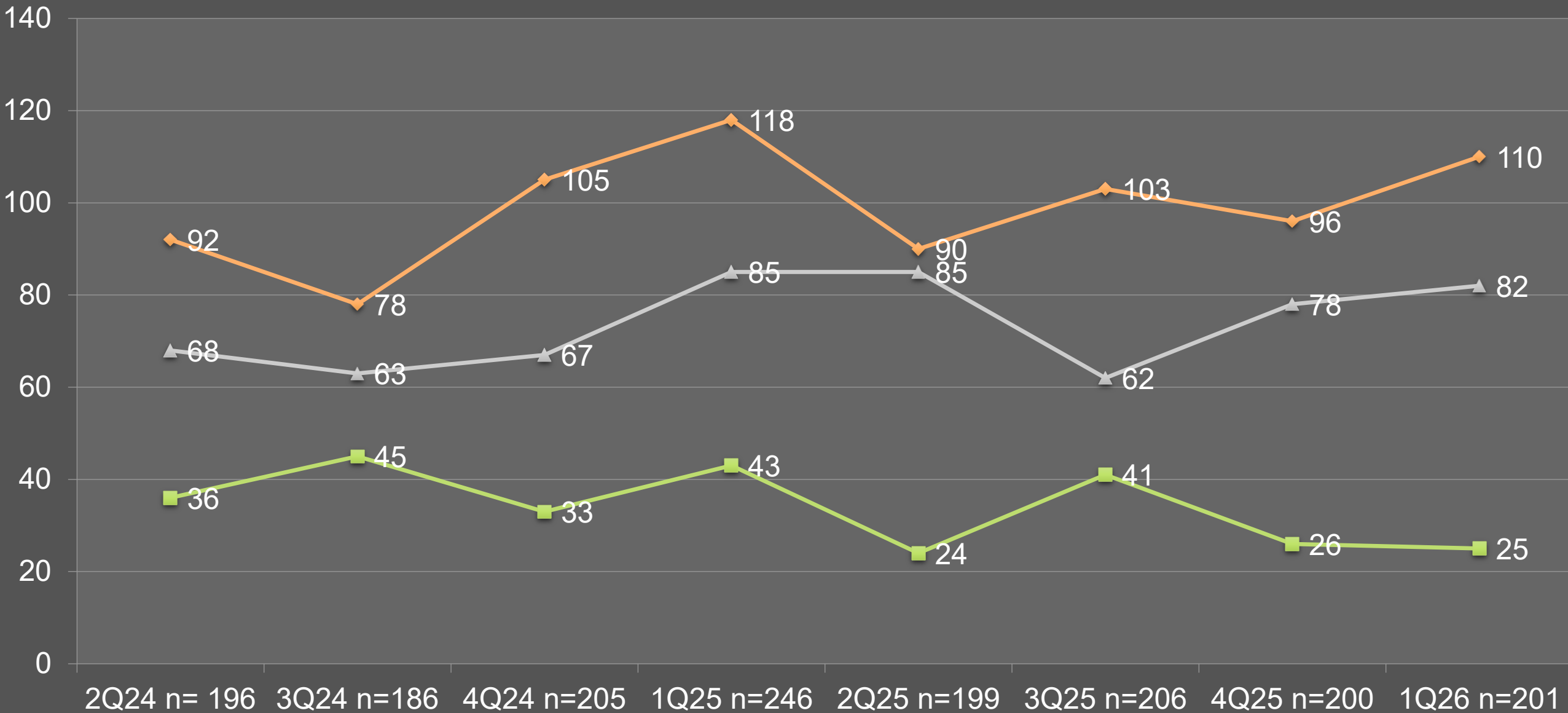
Date	Initial Hospital	2nd Receiving Hospital	Intervention Type	Intervention Performed	Arrival Time 2nd Hospital	Groin Puncture Time	TICI
02-Jan-26	WakeMed Cary		IA	Thrombectomy		02-Jan-26	3
09-Jan-26	WakeMed Raleigh		IA	Thrombectomy		09-Jan-26	3
18-Jan-26	WakeMed Raleigh		IA	Thrombectomy		18-Jan-26	3
20-Jan-26	Duke Raleigh	WakeMed Main	IA	None	20-Jan-26	20-Jan-26	0
22-Jan-26	UNC Rex		IA	Thrombectomy		22-Jan-26	3
25-Jan-26	WakeMed Raleigh		TNK/IA	Thrombectomy		26-Jan-26	3
02-Feb-26	WakeMed Raleigh		TNK/IA	Thrombectomy		02-Feb-26	3
04-Feb-26	WakeMed Raleigh		IA	Thrombectomy		04-Feb-26	3
08-Feb-26	Duke Raleigh	WakeMed Main	TPA	Thrombectomy	09-Feb-26	09-Feb-26	3
03-Mar-26	WakeMed Raleigh		IA	Thrombectomy		03-Mar-26	3
08-Mar-26	UNC Rex		IA	Thrombectomy		08-Mar-26	3
11-Mar-26	UNC Rex		IA	Thrombectomy		11-Mar-26	3
11-Mar-26	UNC Rex		IA	Thrombectomy		11-Mar-26	0
13-Mar-26	WakeMed Raleigh		IA	Thrombectomy		13-Mar-26	3
15-Mar-26	WakeMed Raleigh		IA	Thrombectomy		16-Mar-26	3
18-Mar-26	WakeMed Raleigh		IA	Thrombectomy		18-Mar-26	2b
19-Mar-26	WakeMed Raleigh		IA	Thrombectomy		19-Mar-26	3
19-Mar-26	WakeMed Cary		IA	Thrombectomy		19-Mar-26	2b
24-Mar-26	UNC Rex		IA	Thrombectomy		24-Mar-26	3

Cardiac Arrest



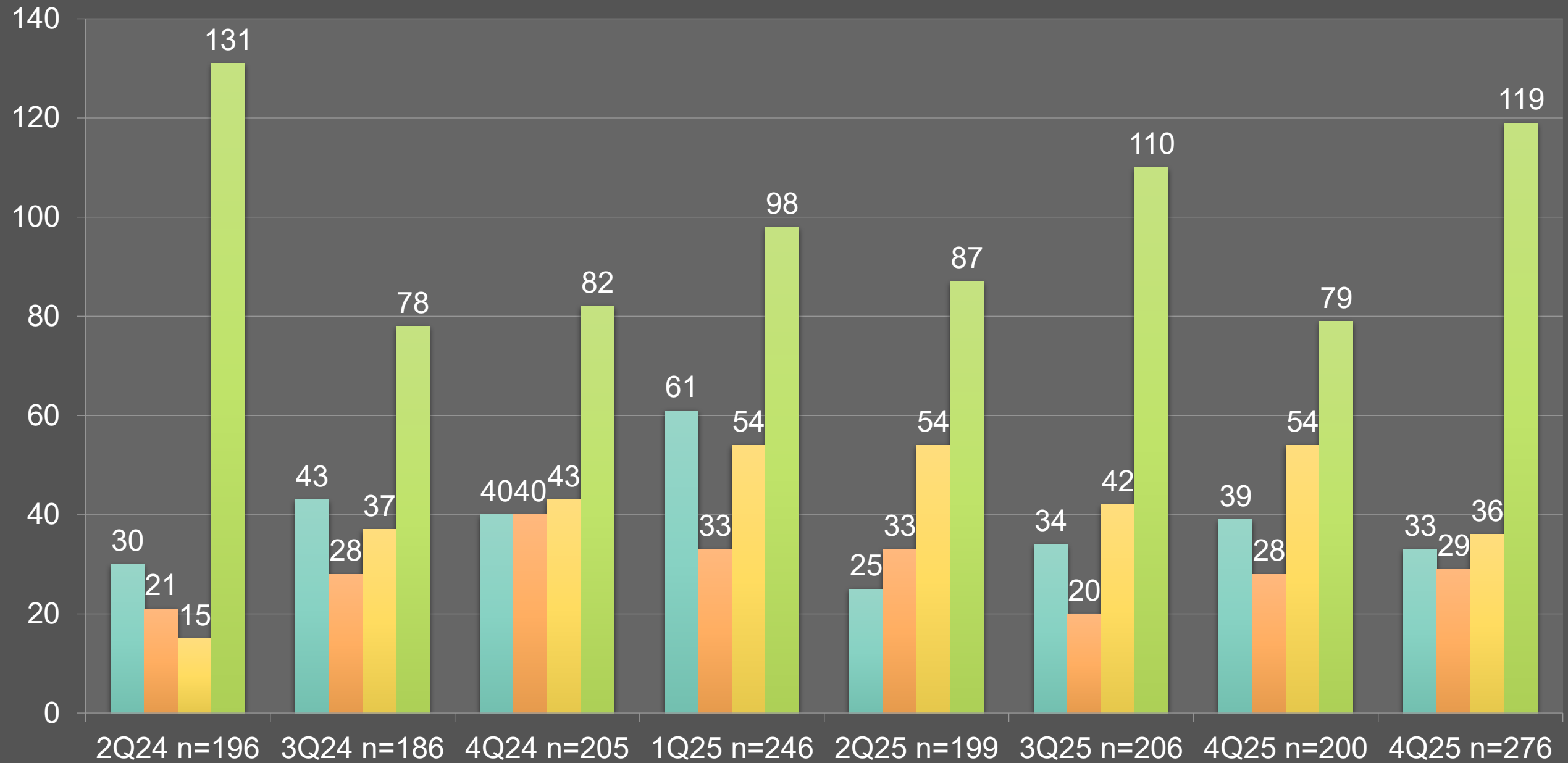
Cardiac Arrest: Disposition for Attempted Resuscitations

—◆— 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



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 7/1/2025 Through 9/30/2025

ALL TIME

1Q26

Characteristic	Wake County EMS System
Bystander CPR (Module-based)	N=2651
Bystander CPR with dispatcher assistance	1401 (52.8%)
Bystander CPR without dispatcher assistance	278 (10.5%)

Dispatcher CPR Instructions

Dispatcher recognized need for CPR	2085 (90.5%)
CPR instructions started	1947 (84.7%)
CPR instructions refused	68 (4.0%)
Compressions started	1421 (65.6%)

Time Intervals

Call receipt to CPR recognition	2100
Mean	01:15
Median	00:50
Call receipt to CPR instruction	1982
Mean	01:44
Median	01:22
Call receipt to first compression	1465
Mean	02:56
Median	02:38

Characteristic	Wake County EMS System
Bystander CPR (Module-based)	N=119
Bystander CPR with dispatcher assistance	64 (53.8%)
Bystander CPR without dispatcher assistance	10 (8.4%)

Dispatcher CPR Instructions

Dispatcher recognized need for CPR	104 (96.3%)
CPR instructions started	98 (93.3%)
CPR instructions refused	5 (6.8%)
Compressions started	64 (70.3%)

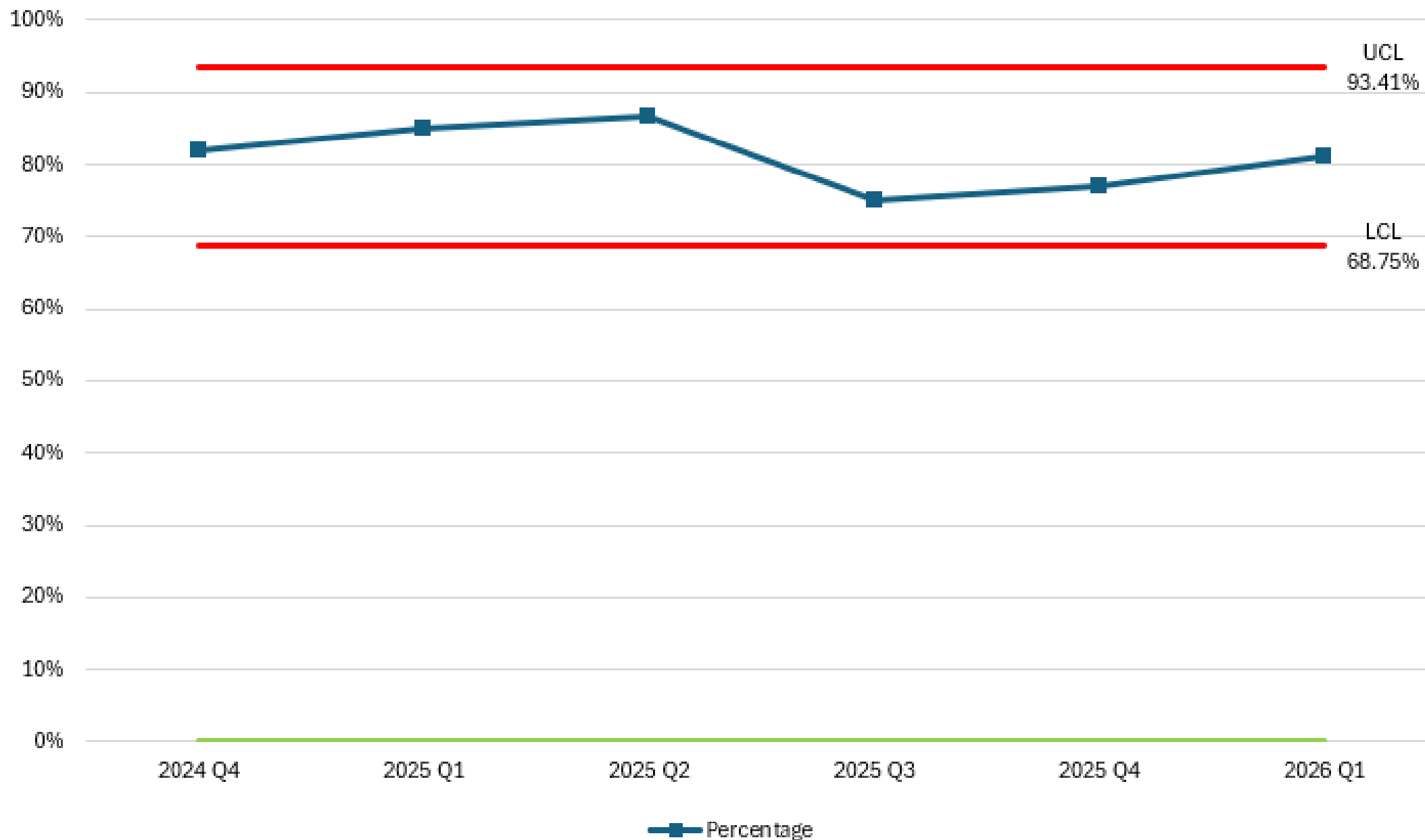
Time Intervals

Call receipt to CPR recognition	105
Mean	01:04
Median	00:45
Call receipt to CPR instruction	97
Mean	01:40
Median	01:20
Call receipt to first compression	63
Mean	02:46
Median	02:26



Miscellaneous Clinical Reports

Percentage of Field Deliveries Receiving Oxytocin by EMS

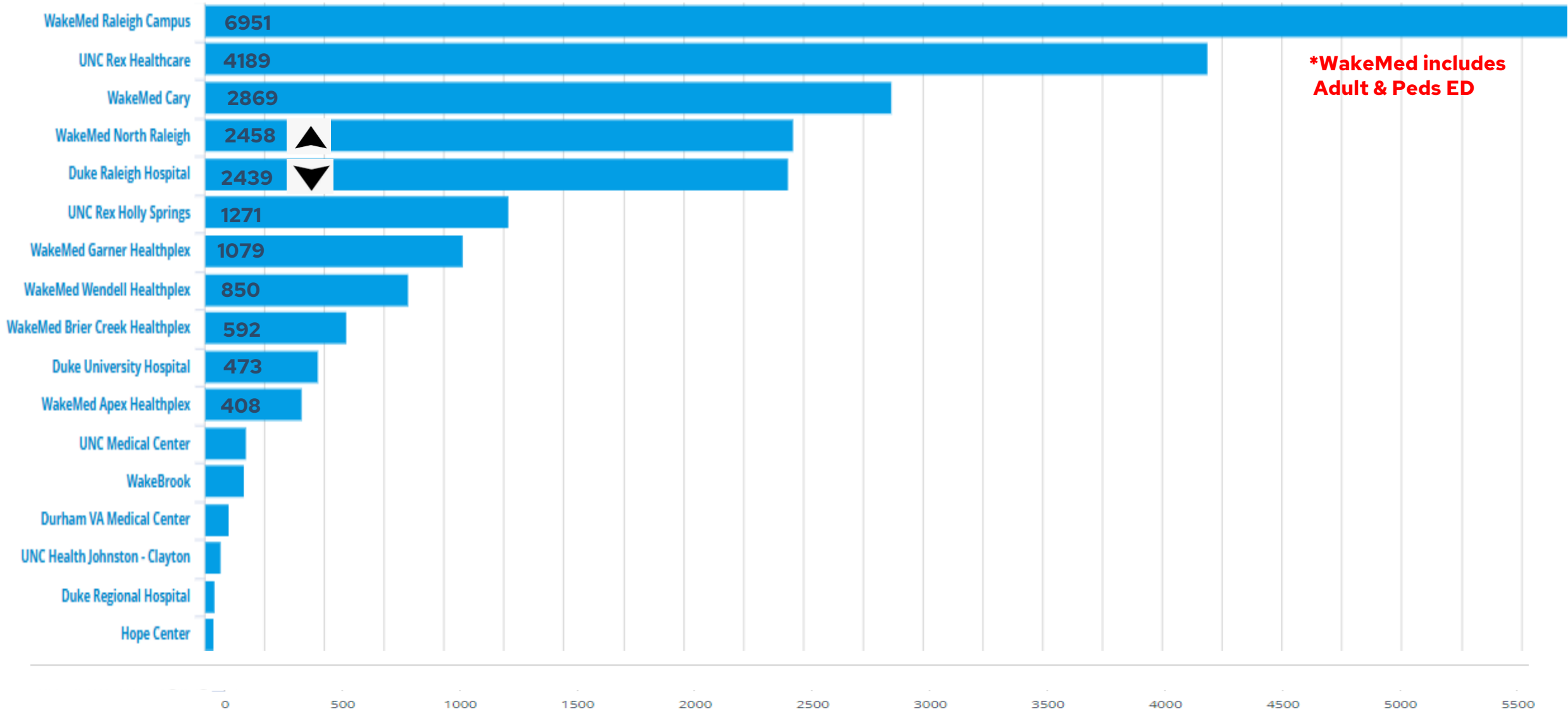


Transports By Facility

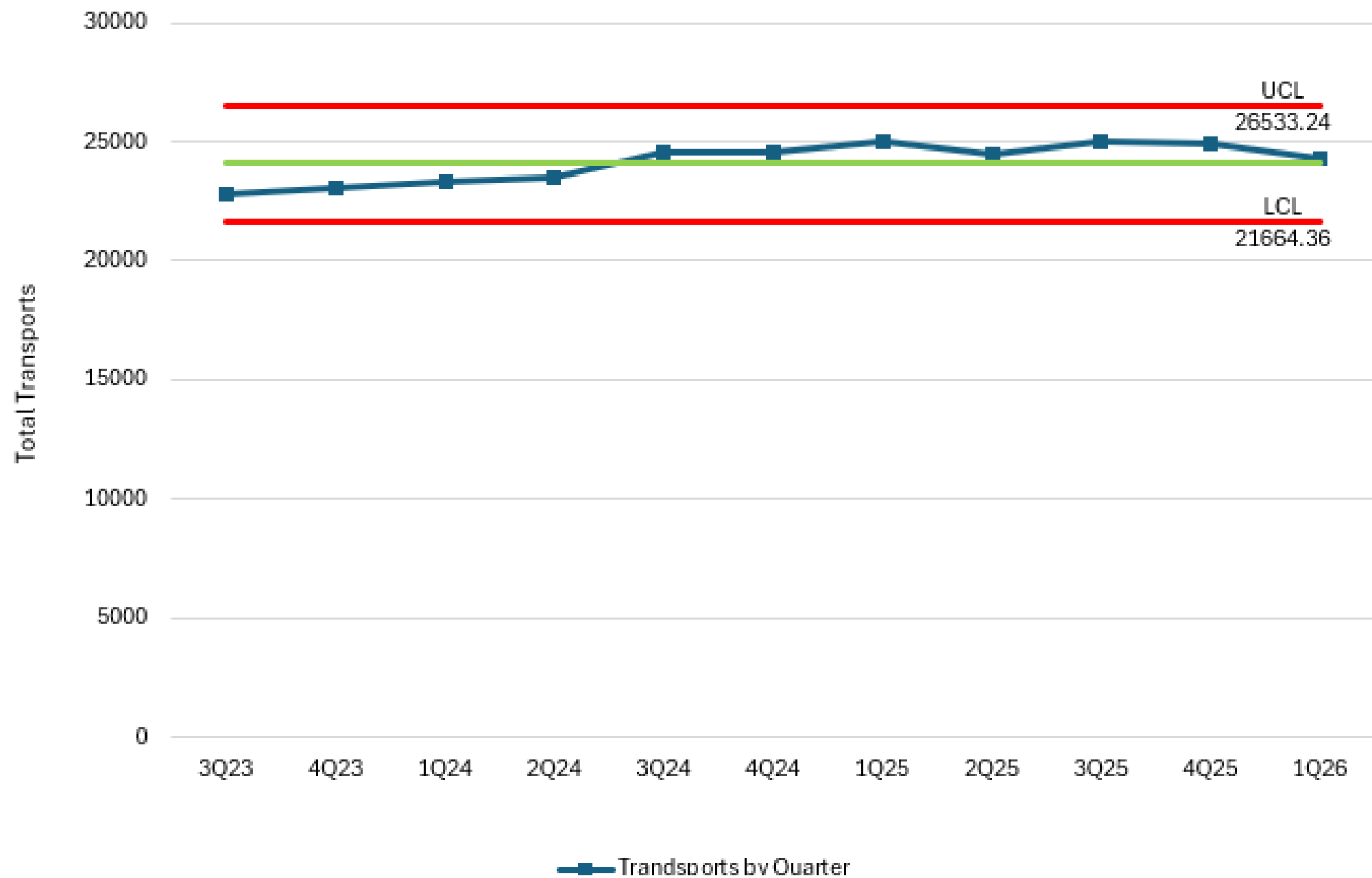
24,282
RECORDS
In Selected Time Slice

- 616 transports
From 4Q25

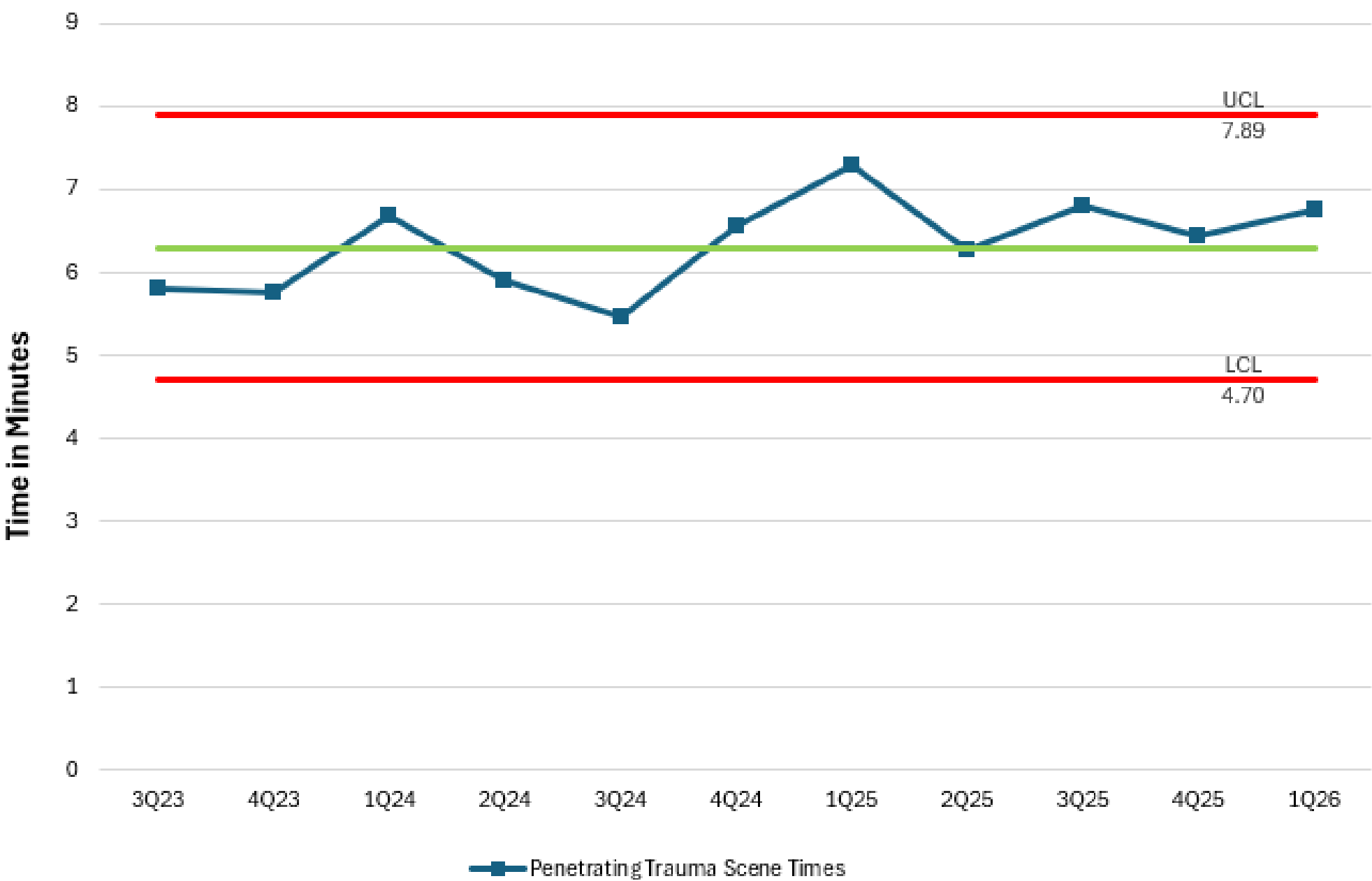
Jan 1, 2026 - Mar 31, 2026



Transports by Quarter

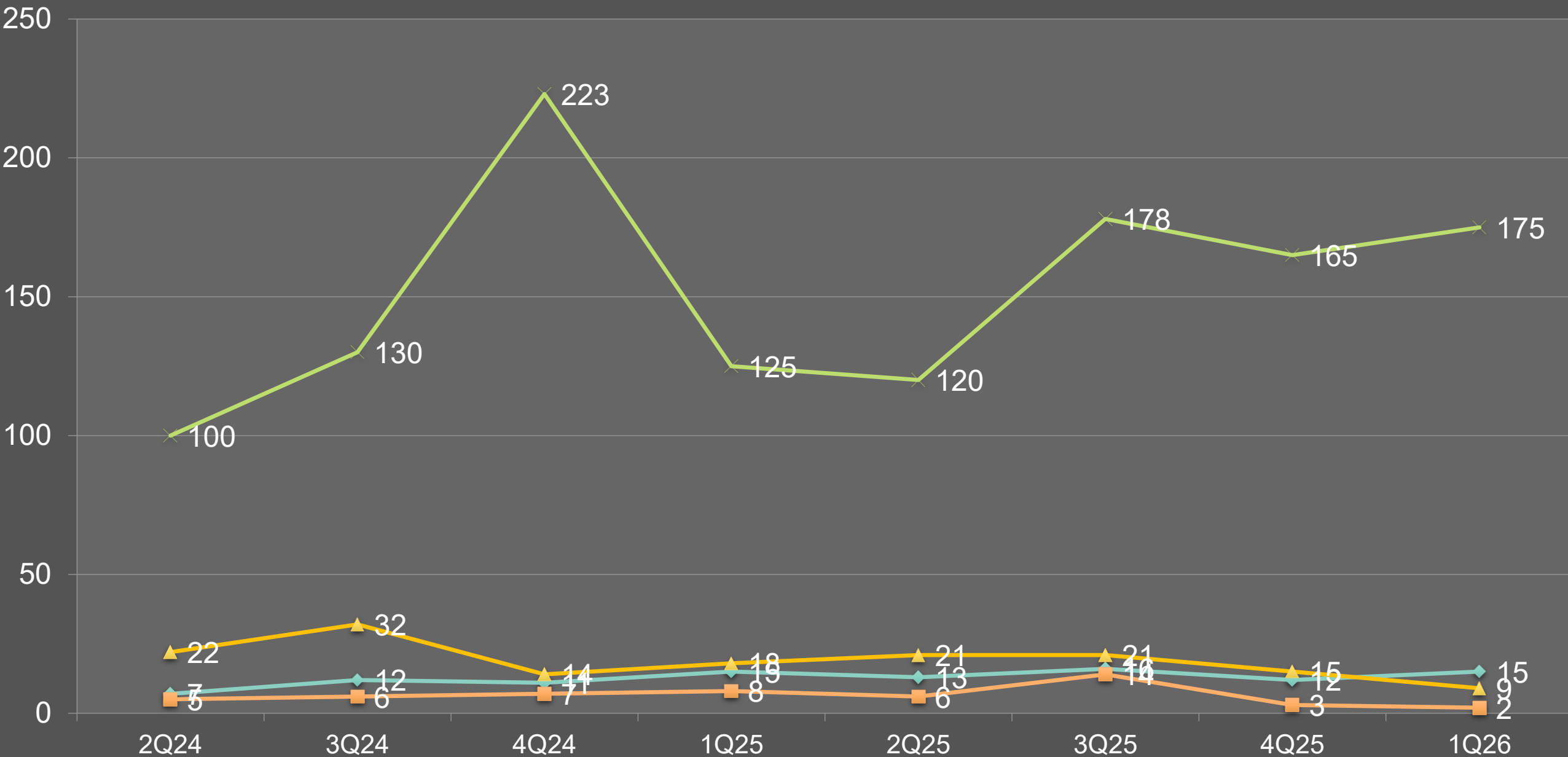


Penetrating Trauma Scene Time



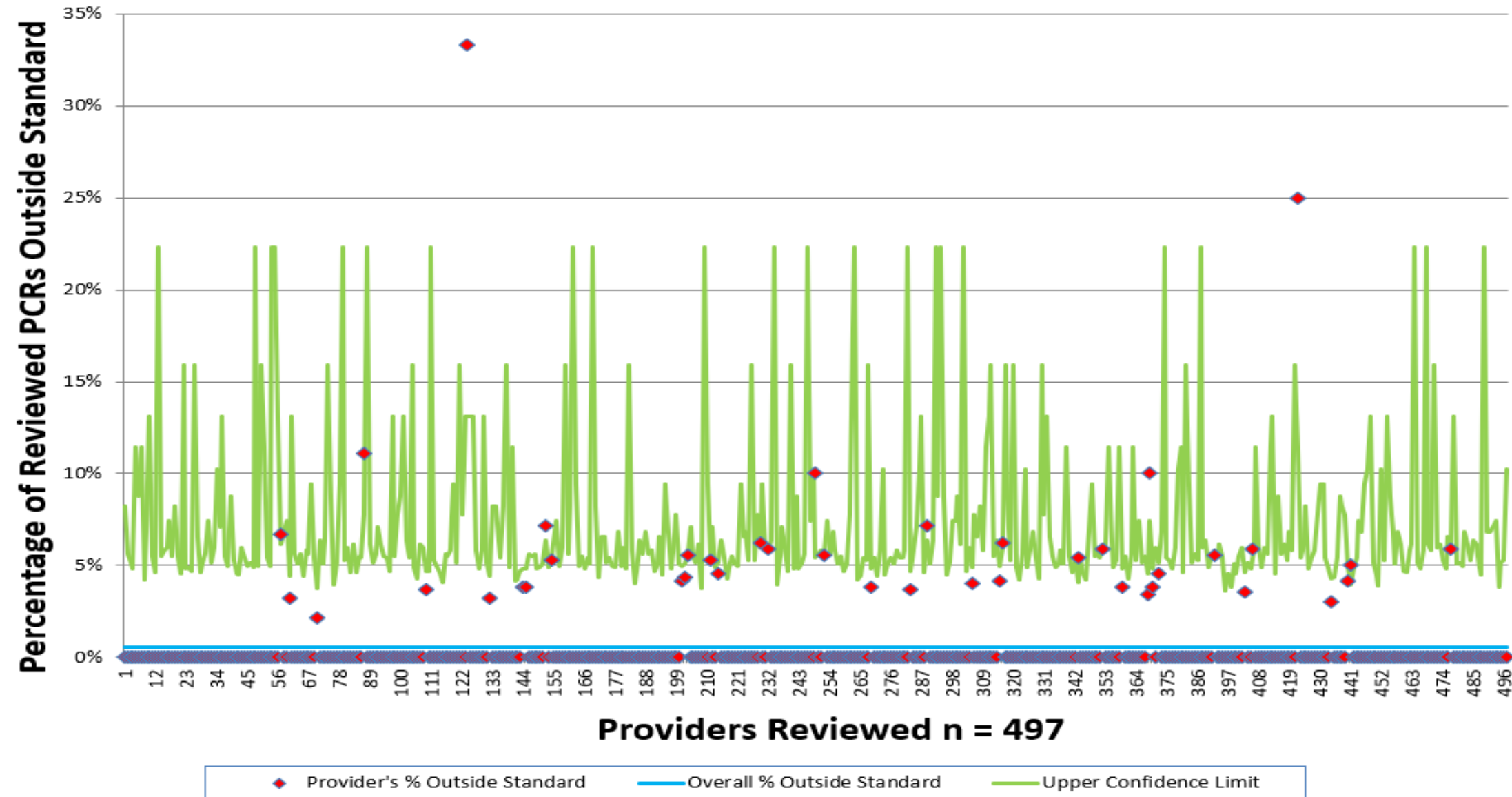
Reason for OLMC Contact

Automatic Notification Medication Continuation Order Unusual Event General Consult



QA ePCR Chart Review

Clinical Care Outside Standard
(based on EBM Bundles, n = 8318 PCRs)



Mental Health / Substance Use Alternate Destination

Michael Lyons

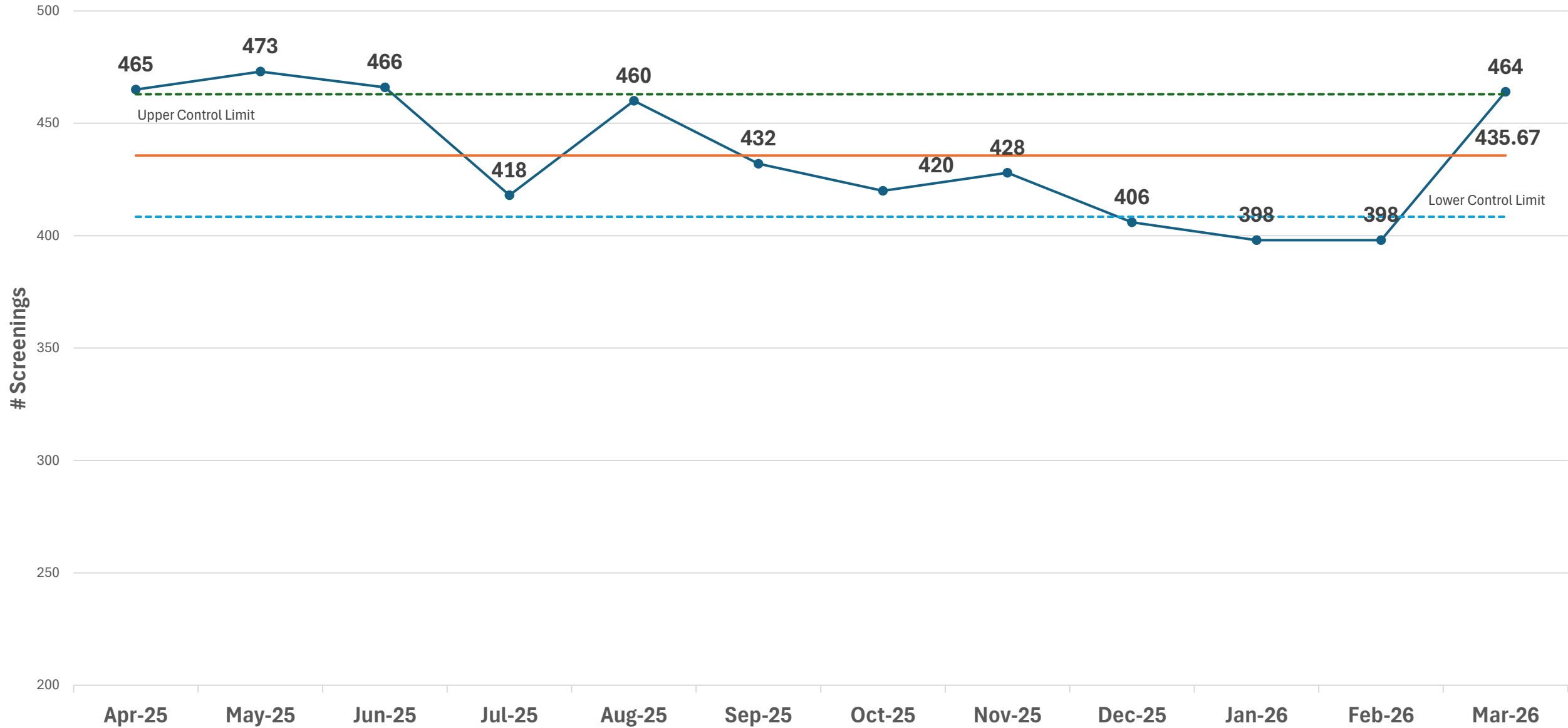
Commander – Mobile Integrated Health



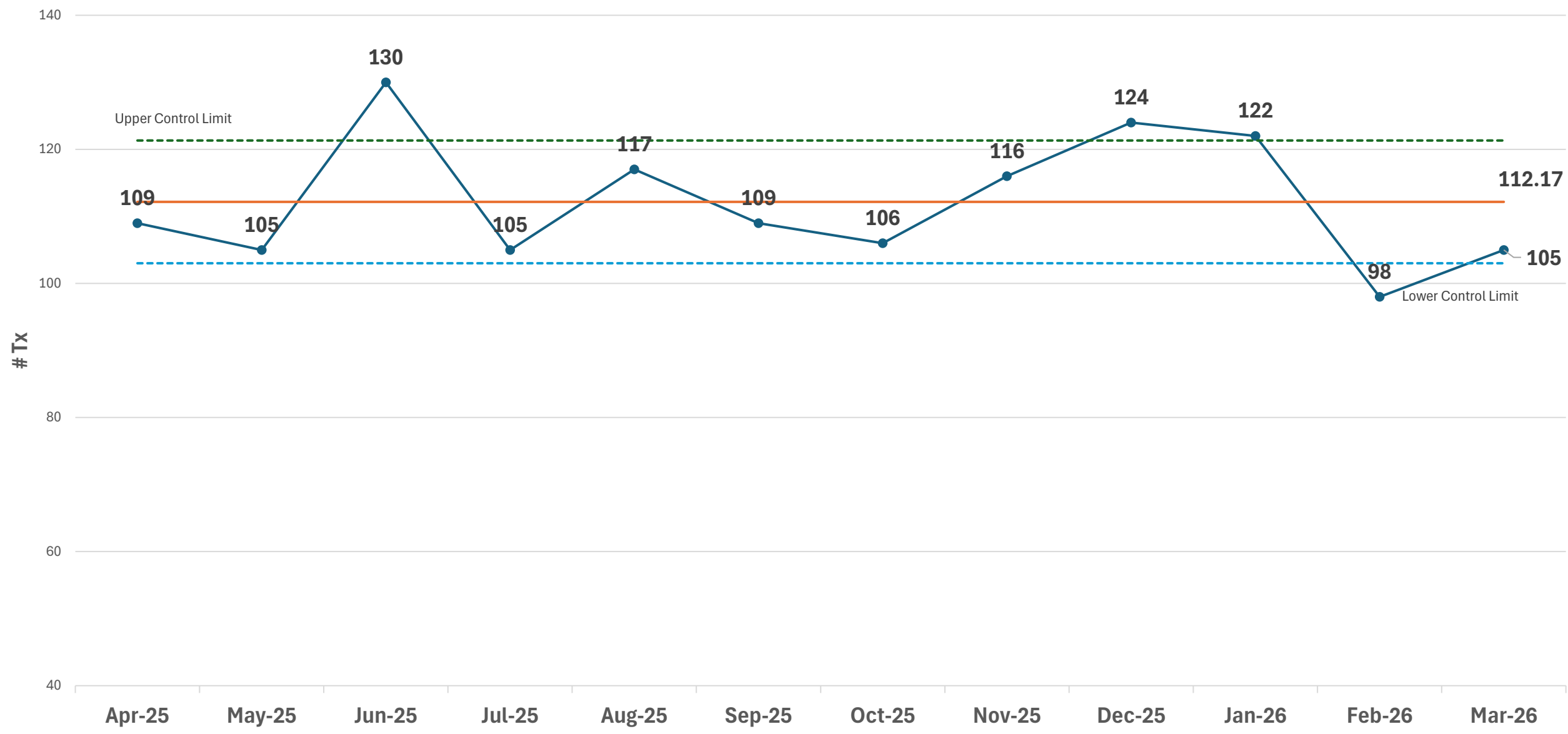
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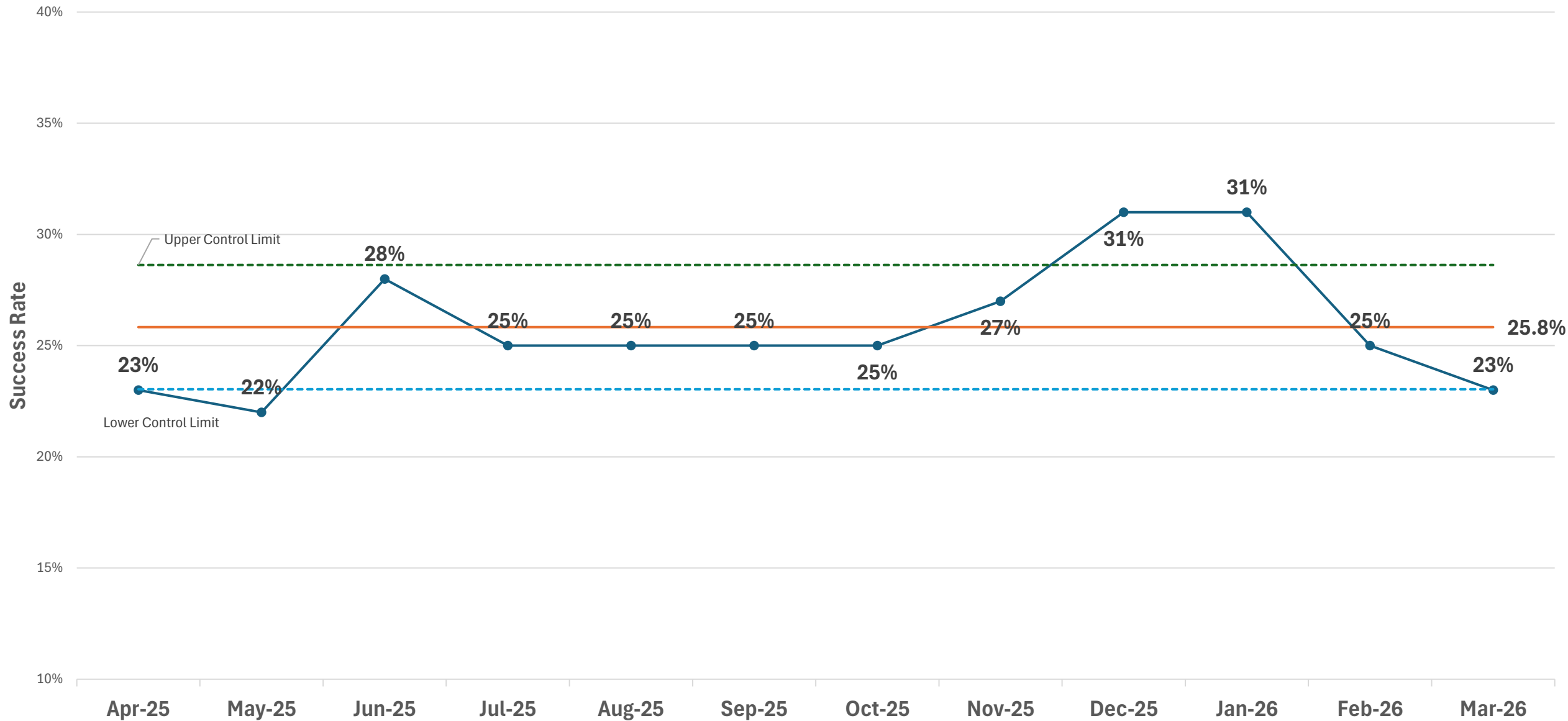
APP MH Screenings



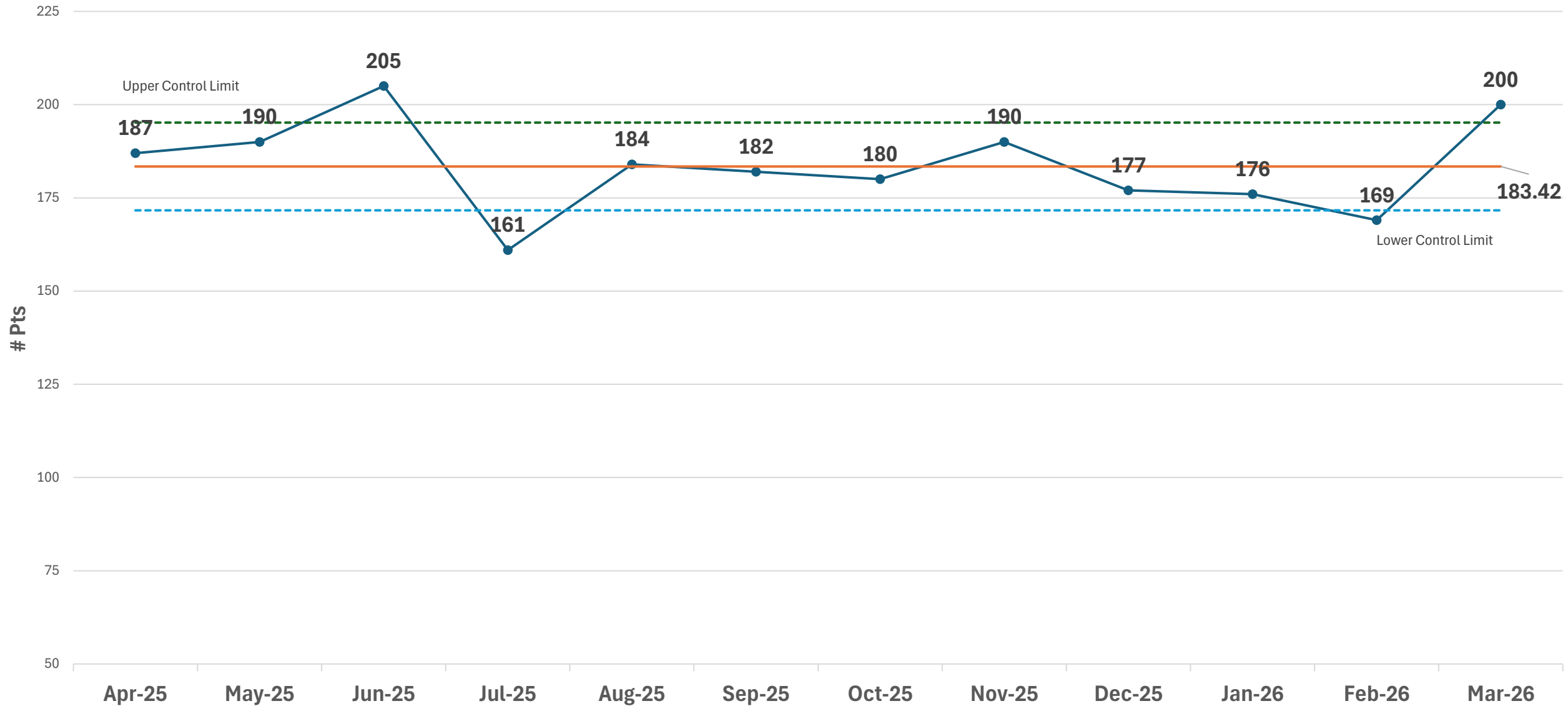
Alternate Destinations



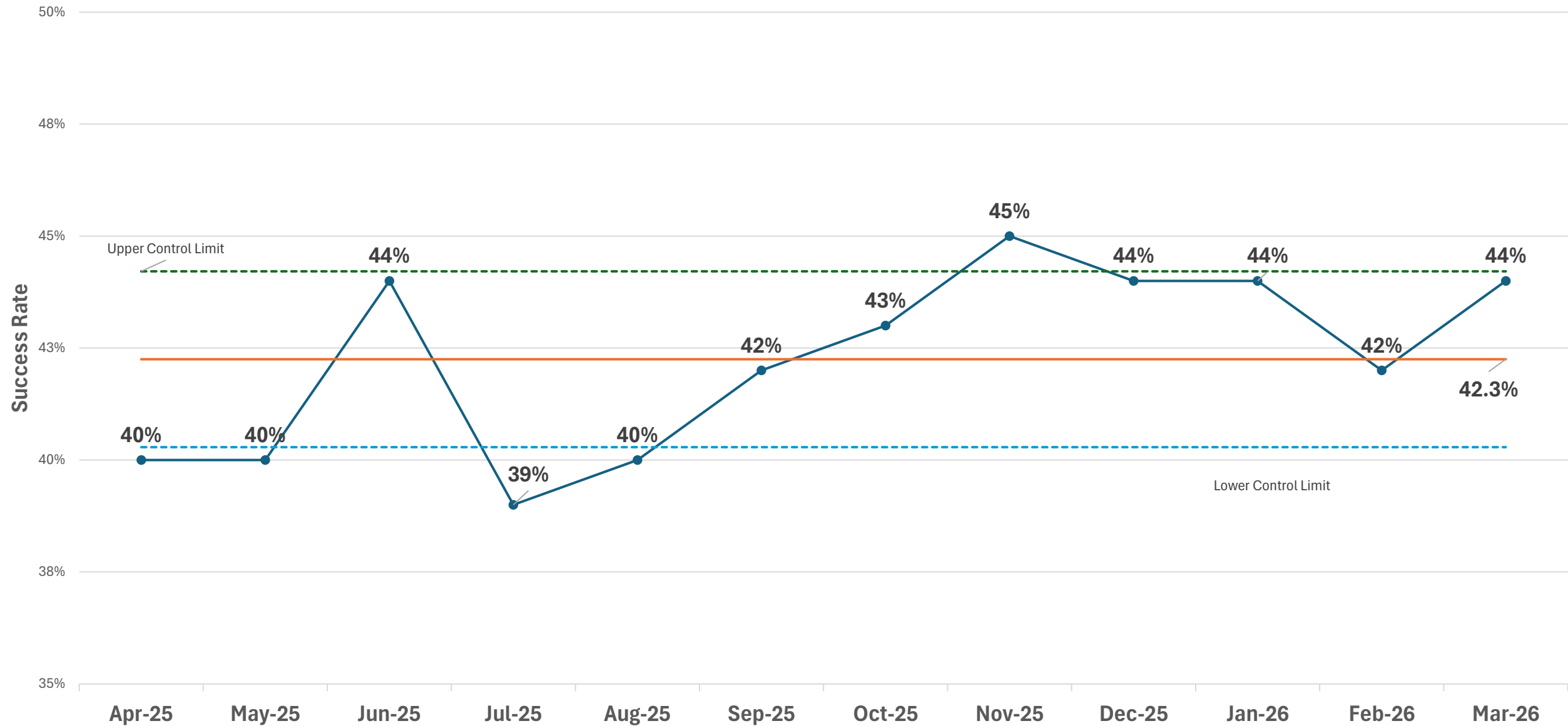
Alternate Success Rate



MH/SA Non-ED Dispositions



MH/SA Non-ED Disposition Rate



Buprenorphine Update

Buprenorphine screenings since 7/5/2023:

1,087

Total patients who received buprenorphine:

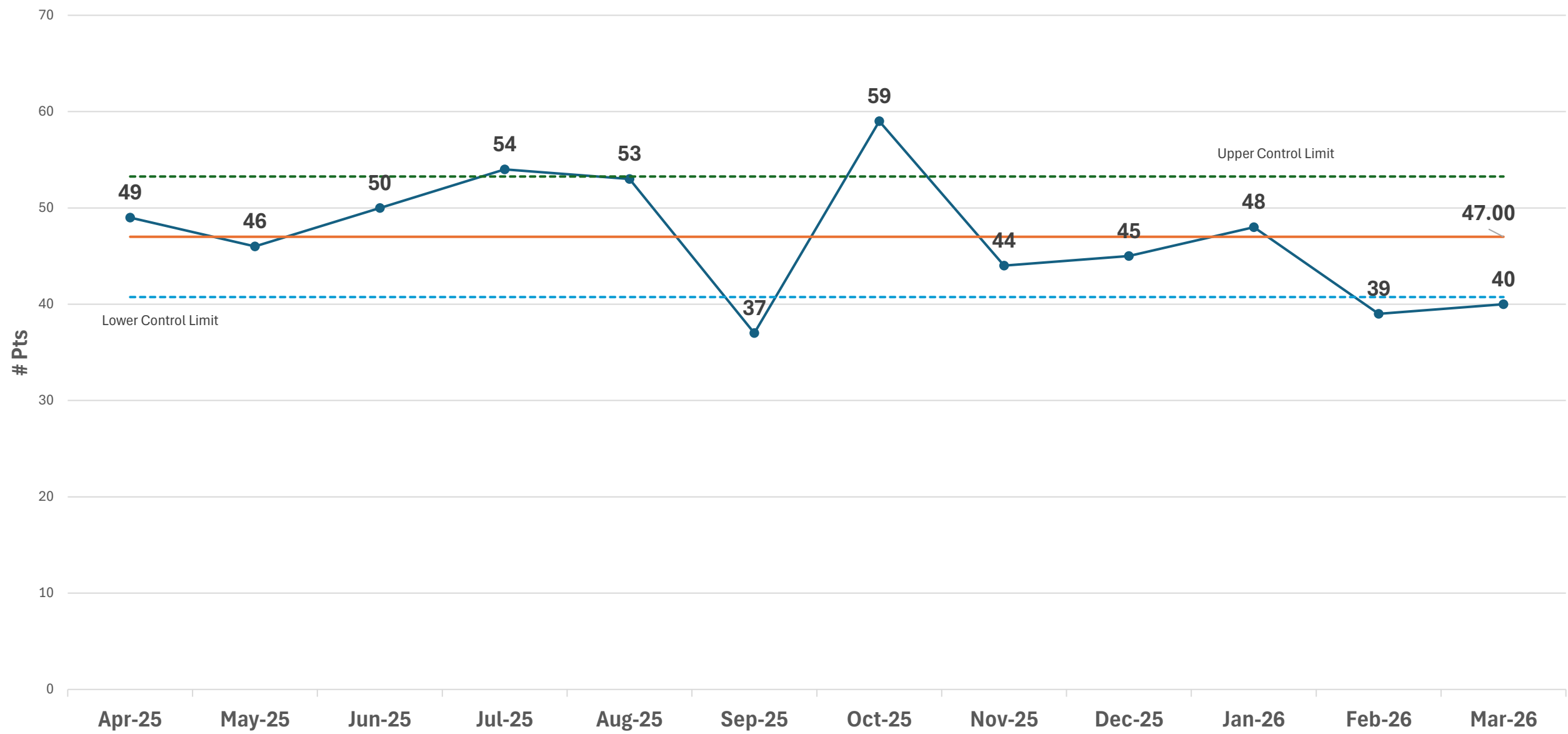
195

Total buprenorphine doses administered:

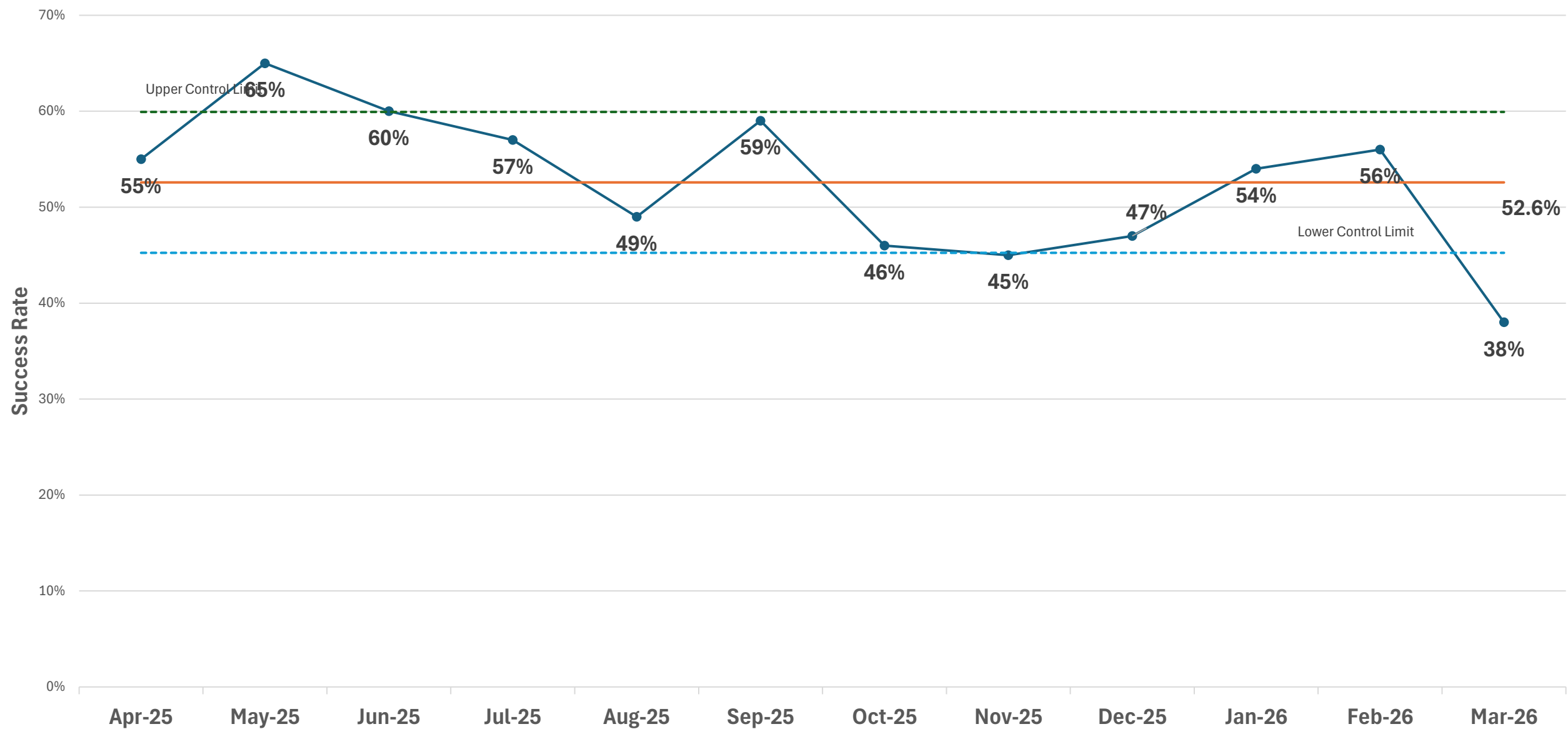
340



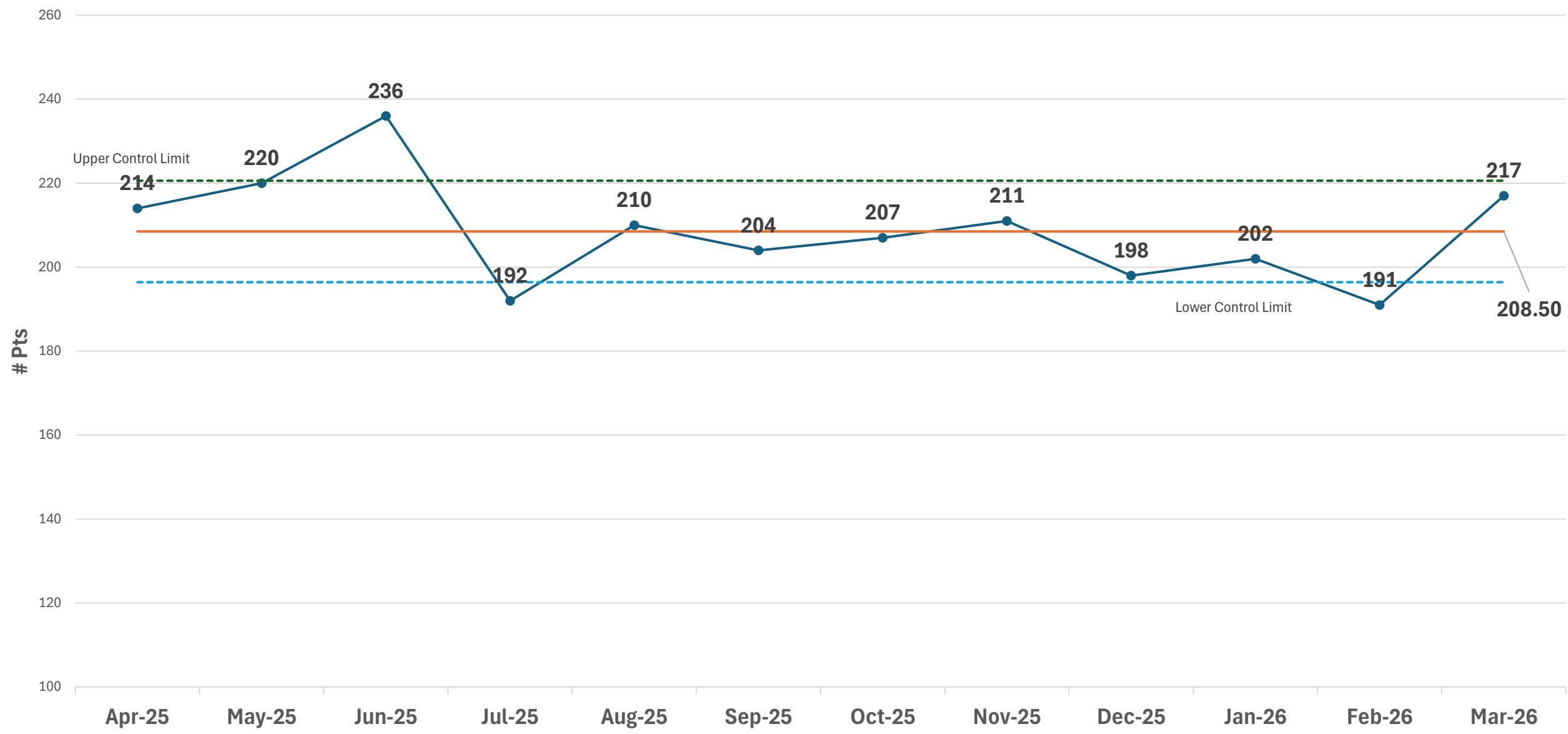
Falls in Assisted Living Facilities



Falls in ALF Success Rate



Total Non-ED Transport Dispositions





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