

Meridian Thoracic & Esophageal Practice Meeting


May 29, 2025

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Hackensack Meridian
Jersey Shore University
Medical Center

STS Updates/reminders

- Labs
 - w/i 30 days
 - creatinine
 - hemoglobin
- PFT
 - w/i 1 year
- ECOG
 - w/i 1 year
- Smoking
 - Pack years
- STS Risk Calculator available
 - [Thoracic Risk Calculator](#)
- Lumdex  Cedaron
 - pushed to **July**
 - current version only July 1, 2021 to present
 - prior versions **approved**

General reminder

- please make sure your surgery procedure description has the word “robot” in it to ensure robotic count
- document removal of chest tube and resolution of air leak
- template notes in Epic
 - Dr. Surgeon/PA
- coding query
 - “not clinically significant”
 - “did not impact care”



Current Clinical Trials projects:

- EBC exhaled breath condensate
 - resubmitted R-01 grant
- Staable-Mates/JoLT-Ca Wedge resection vs.. Stereotactic Radio Rx
- Insomnia and Cancer
- POUR (post-operative urinary retention)
- EC-12088 Razorgenomics: prospective trial of chemotherapy for high or intermediate risk stage I or IIA NSCLC
- Spiration (Humanitarian Use Device)
- LungMAP: A Master Protocol to Evaluate Biomarker-Driven therapies and immunotherapies in previously treated NSCLC
- S1900E: A phase II study of Sotorasib (AMG 510) in participants with previously treated Stage IV or recurrent KRAS G12 mutated non-Squamous NSCLS
- ALCHEMIST Main Study A151216 (analysis EGFR, ALK, PDL-1)

Future/In-progress projects:

- plication- prospective closed manuscript in process
- opioid use after thoracic surgery
 - protocol in process
- DLCO & FEV1 IRB pending
- Lung cancer:? outcomes by decade age
- Unilateral vs Bilateral ESP blocks - protocol in process
- Cytalux case study

Publications:

Wang X, Liu W, Hu X, Zhao Y, Zhao Y, Xue X, Liu X, Wang L, Bauer T, Cui J, Li Y. Case series on the use of the indocyanine green fluorescence real-time imaging technique for lymph node sorting in patients undergoing radical esophagectomy

Kaufman MR, Bauer T, Sico J, Jarrahy R. PHRENIC NERVE RECONSTRUCTION WITH SHORT-TERM DIAPHRAGM PACING CORRECTS DIAPHRAGM PARALYSIS DUE TO INTRATHORACIC NERVE INJURY. *Plast Reconstr Surg.* 2024 Nov 26. doi: 10.1097/PRS.00000000000011901. Epub ahead of print. PMID: 39592192.

Altorki N, Wang X, Damman B, et al. Recurrence of Non-Small Cell Lung Cancer With Visceral Pleural Invasion: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Oncol.* 2024;10(9):1179-1186. doi:10.1001/jamaoncol.2024.2491



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ADVANCES IN QUALITY & OUTCOMES: *A Data Managers Meeting*

SEPTEMBER 25-26, 2025 • SAN ANTONIO, TX



Submit Abstracts by Monday, June 2

Abstracts are now being accepted for presentation consideration at the [2025 Advances in Quality & Outcomes \(AQO\): A Data Managers Meeting](#), Sept. 25-26, in San Antonio, Texas. AQO is the premier opportunity for STS National Database professionals to share valuable research and important clinical findings with hundreds of peers.

Accepted submissions will be presented as e-posters, while a small number may be selected for oral presentations. Submitted abstracts must use STS National Database Core Fields and Participating Sites Custom Fields to produce results.

[Abstract Guidelines](#)

[Submit Abstract](#)

This year's meeting will include options for in-person or virtual attendance. Details can be found on the website.

If you have questions about the abstract submission process, contact Emily Conrad at econrad@sts.org.



Hackensack Meridian
Jersey Shore University
Medical Center

National Quality Improvement Project

Lung Cancer Surgery Readmission Rate

GTSD Quality Improvement Webinar

May 29 at 3 p.m. ET • 2 p.m. CT

Call In: 888-475-4499 or 312-
626-6799

Webinar ID: 460 019 357

International Dial-in Numbers

Join Webinar



Hackensack Meridian
Jersey Shore University
Medical Center

National Quality Improvement Project

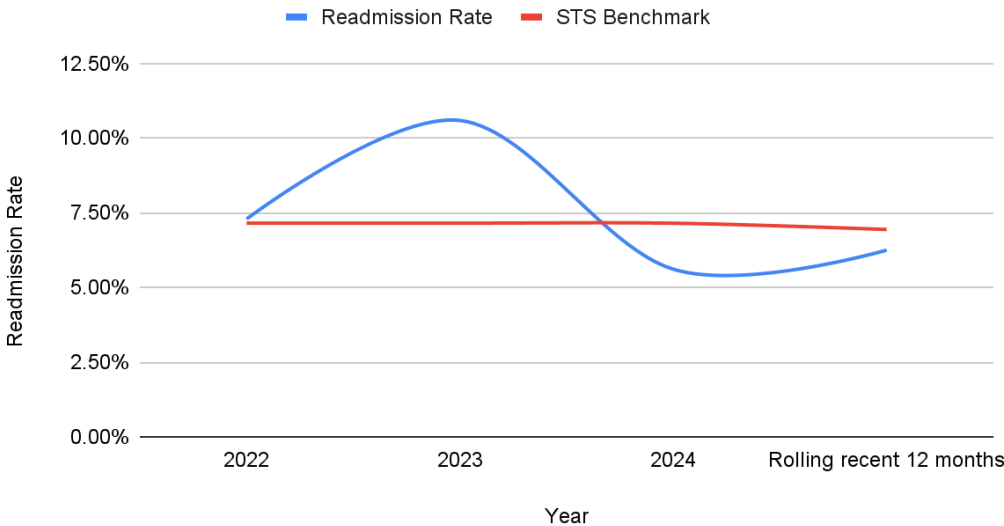
Meridian Thoracic & Esophageal Surgery

National Quality Improvement Project

Lung Cancer Readmission

				2024									2025				
	2022	2023	2024	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	rolling 12 month	Benchmark
Lung Cancer Readmission Rate	7.29%	10.59%	5.61%	9.09%	0.00%	0.00%	0.00%	15.38%	0.00%	0.00%	0.00%	8.33%	0.00%	14.29%	20.00%	6.25%	6.94%
numerator	7	9	6	1	0	0	0	2	0	0	0	1	0	1	1	6	
denominator	96	85	107	11	0	9	6	13	4	5	14	12	10	7	5	96	

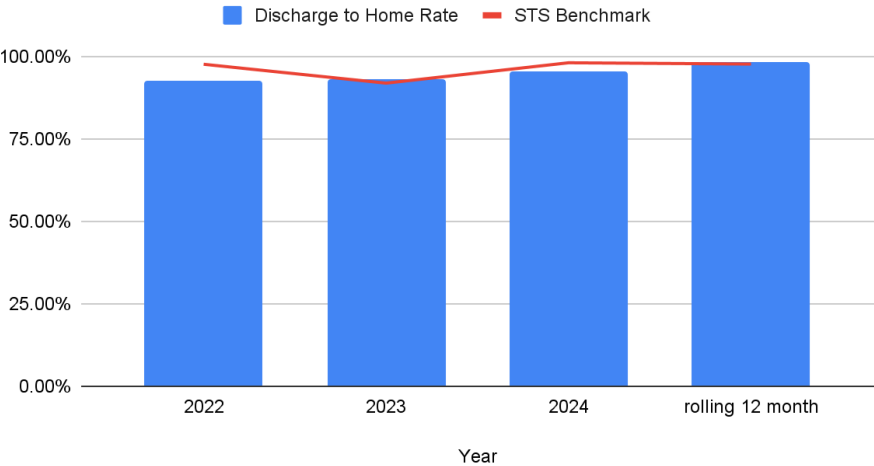
Lung Cancer Surgery Readmission Rate



Discharge to Home: Lung Cancer Surgery

Meridian Thoracic & Esophageal Surgery																	
Lung Cancer Discharge Home																	
				2024									2025				
	2022	2023	2024	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	rolling 12 month	Benchmark
Discharge home Rate	92.71%	92.86%	95.33%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	92.86%	100.00%	100.00%	100.00%	100.00%	98.06%	97.65%
numerator			102	11	7	9	6	13	4	4	13	12	10	7	5	101	
denominator			107	11	7	9	6	13	4	5	14	12	10	7	5	103	

Discharge to Home Rate Compared to STS average



Not discharged to home review and tracking in dashboard

DOS	Procedure	Age	Reason
2/6/2023	VATS with partial pleurectomy	83	difficulty with ambulation, decreased endurance, impaired balance, and strength
3/9/2023	robot-assisted thoracoscopic apical segmentectomy	66	evaluated by PT and recommended SAR
3/20/2023	Robotic-assisted VATS right apical segmentectomy	60	patient request
3/27/2023	Robotic-assisted laparoscopic repair of giant PEH	98	rehab for teaching/ PT, OT & pt weak & deconditioned
5/10/2023	RESECTION OF LEFT CLAVICULAR OPTION, I	67	new dialysis pt
6/28/2023	chest wall resection	87	She has a slow/ weak gait with decreased foot clearance. Patient would benefit PT services to strengthen and improve her functional status
7/27/2023	lobectomy	61	Patient presents with difficulty with ambulation, decreased endurance, impaired balance, and strength deficits causing functional mobility limitations
9/28/2023	PEH	88	patient has hx of gout and foot pain which qualifies for SAR
10/17/2023	Esophageal leak repair	73	patient trached
11/7/2023	THORACOTOMY; RESECTION OF DIVERTICULU	72	patient request
11/13/2023	Robotic-assisted VATS right basilar segmentecton	66	patient request
12/28/2023	lobectomy	82	patient request
2/6/2024	Lobectomy	78	PER PT : Recommend Inpatient Rehab to address strength, functional mobility, balance, and gait impairments. Family not comfortable taking patient
2/12/2024	Segmentectomy	72	PER PT: Patient currently demonstrates significant functional deficits that prevent a reasonable and safe discharge home/back to community
2/15/2024	Lobectomy	71	patient request
2/27/2024	chest wall debridement	54	patient concerns of taking care of herself at home, patient is being discharged to a rehabilitation facility with plans on continuing IV vancomycin throu
5/14/2024	plication of diaphragm	70	Pt will benefit from d/c to rehab to continue to work on strength, safe ambulation, postural training and energy conservation to decrease the risk of fa
5/24/2024	Esophagectomy	84	PT & OT recommends IP rehab after prolonged hospital stay
8/6/2024	mediastinal mass	83	PT & RN care needed 83yo lives alone wife in nursing home. POD #6 pt requested rehab placement d/c next day
8/6/2024	Esophagectomy	75	pt had prolong hospital stay with multiple complications
9/9/2024	Esophagectomy	58	pt had prolong hospital stay with multiple complications & went to acute inpatient rehab for further recovery and rehabilitation
10/29/2024	peh repair	83	post op cva
11/4/2024	Segmentectomy	68	17 day LOS initial elective sx cancelled pt. admit via ED w cellulitis - pt. has h/o multiple stays at rehab. pt/family requested SAR on discharge
11/25/2024	lobectomy	66	preop - significant functional deficits h/o CVA w hemiparesis was IPTA. pt requested rehab.
1/7/2025	Esophagectomy	80	family request- thought that pt would be unsafe at home
3/7/2025	esophageal perforation repair	79	prolonged hospital stay needs RN and PT



Monthly Dashboards/Reports

Thoracic OR Log

Thoracic Surgery Southern Region Practice Volume

Surgeon	2025														12mth rolling
	2023	2024	May	June	July	August	September	October	November	December	January	February	March	April	
A	297	274	26	21	19	34	21	16	12	14	19	16	21	9	228
B		51					0	12	24	15	24	17	27	25	144
C	318	363	39	31	31	33	18	42	29	24	28	25	26	21	347
D	52	313	35	26	24	34	19	24	21	25	28	30	26	32	324
Totals	758	1001	100	78	74	101	58	94	86	78	99	88	100	87	1043

Hospital	2025														12mth rolling
	2023	2024	May	June	July	August	September	October	November	December	January	February	March	April	
E	331	499	46	37	28	58	37	41	46	37	49	38	47	30	494
F	269	259	23	16	20	23	13	25	23	17	21	16	15	13	225
G	50	106	16	15	10	11	5	17	6	7	9	9	12	11	128
H	52	69	6	6	12	2	2	8	3	10	11	16	12	23	111
I	56	68	9	4	4	7	1	3	8	7	9	9	14	10	85
Totals	758	1001	100	78	74	101	58	94	86	78	99	88	100	87	1043

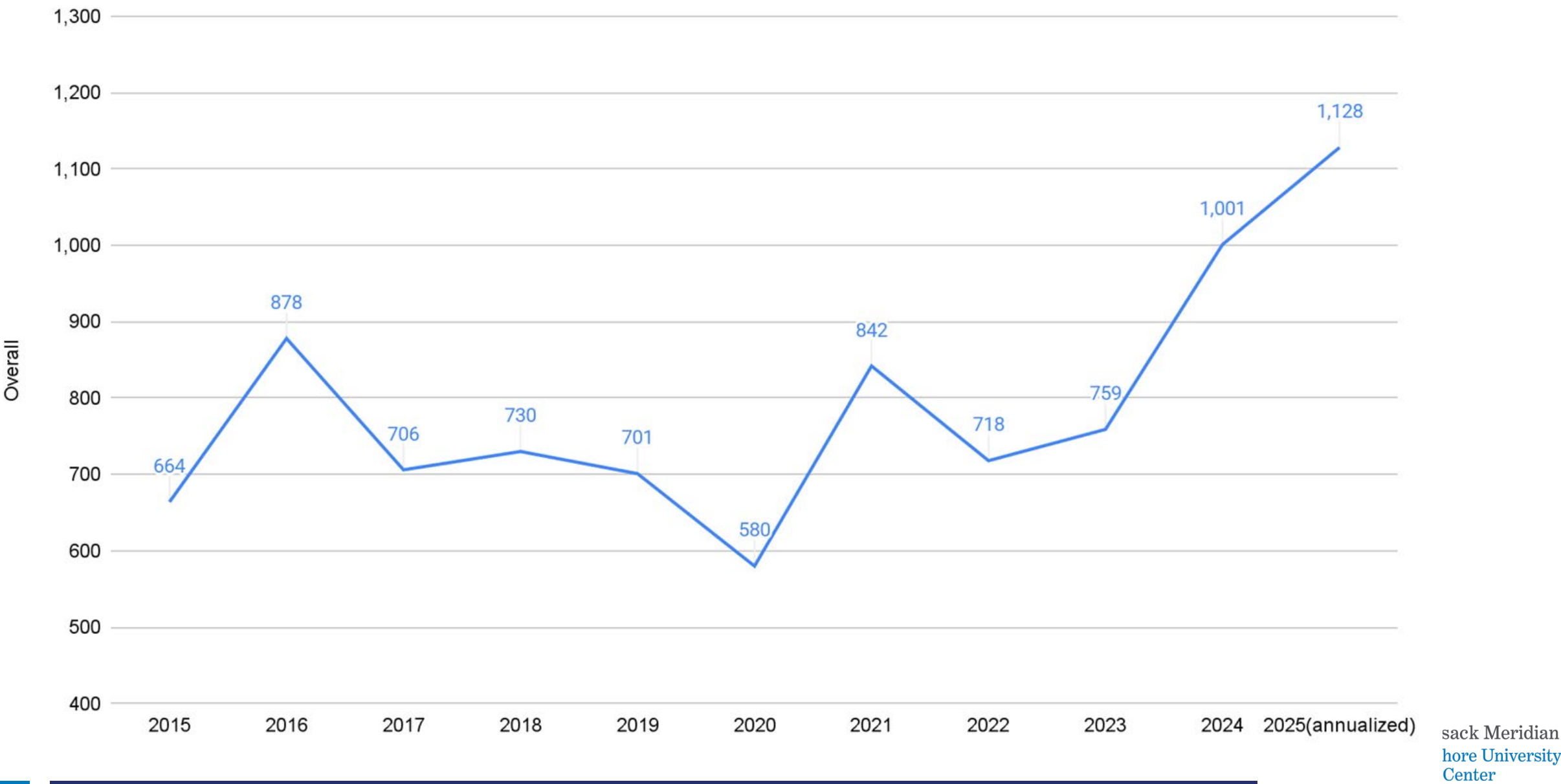
Procedures	2025														12mth rolling
	2023	2024	May	June	July	August	September	October	November	December	January	February	March	April	
Bilobectomy		2	0	0	1	0	0	0	0	0	0	0	0	0	1
Lobectomy	66	66	4	10	3	6	1	3	7	9	4	2	1	3	53
Segmentectomy	25	28	3	0	0	3	2	1	5	3	5	2	3	2	29
Wedge	57	91	5	9	6	9	4	6	12	9	13	6	4	9	92
Pneumonectomy	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Esophagectomy	5	7	1	0	0	1	1	0	0	0	1	0	0	2	6
PEH	90	81	8	6	6	5	5	13	4	5	7	4	3	5	71
Mediastinal Mass/Thymus	17	17	2	0	0	1	1	3	1	1	3	1	4	2	19
Diaphragm Plication	14	14	1	2	2	0	3	0	0	2	2	4	3	0	19
Galaxy Bronch		26	3	3	4	3	1	8	3	1	0	1	2	1	30
Ion Bronch		36	3	1	4	6	3	5	5	3	2	1	4	3	40
Decortification	44	68	7	5	1	7	5	5	6	2	4	2	15	8	67
Other	440	565	63	42	47	60	32	50	43	43	59	66	60	52	617
Totals	758	1001	100	78	74	101	58	94	86	78	100	90	99	87	1045



Meridian Thoracic Procedure Volume Year to Year Comparison by Month



HMH South Thoracic Surgery Growth by Year



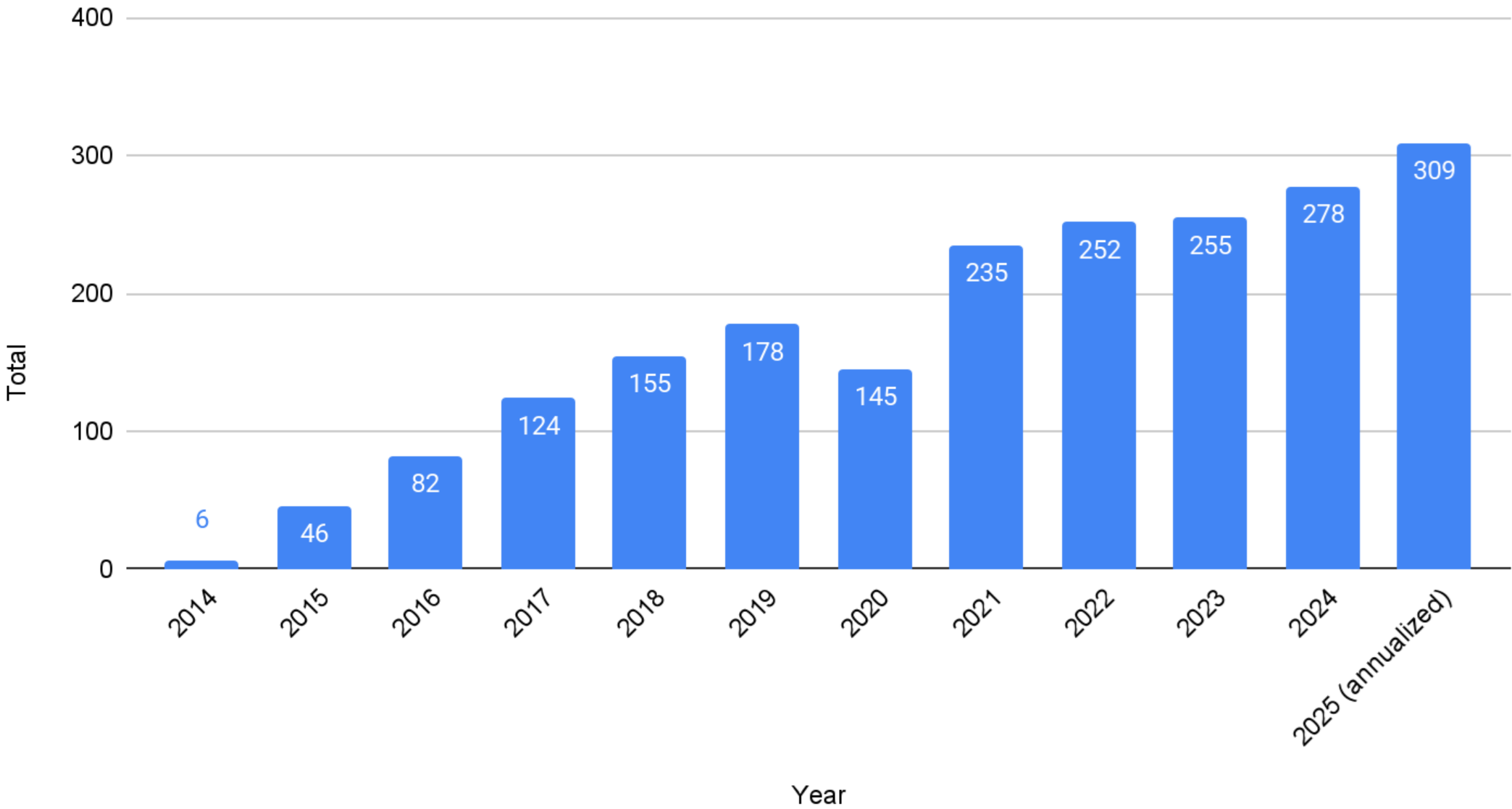
Robotic Procedure OR Log

Thoracic Surgery Robotic Volume															
Surgeon	2024										2025				
	2023	2024	June	July	August	September	October	November	December	January	February	March	April	May	12mth rolling
A	105	104	6	6	13	5	9	7	7	9	5	8	3	3	81
B		3				0	1	2	0	2	2	3	3	2	15
C	118	105	8	8	7	4	10	11	9	9	6	2	3	5	82
D	10	66	9	2	7	5	5	7	6	8	5	5	11	8	78
Totals	255	278	23	16	27	14	25	27	22	28	18	18	20	18	256
Hospital	2024										2025				
	2023	2024	June	July	August	September	October	November	December	January	February	March	April	May	12mth rolling
E	114	157	13	7	19	10	13	14	12	14	10	11	9	5	123
F	113	102	8	8	7	4	8	11	9	9	6	2	3	5	72
G	4	4	0	0	0	0	2	0	0	0	0	0	0	0	2
H	14	9	1	1	0	0	2	1	1	3	1	3	6	3	13
I	10	6	1	0	1	0	0	1	0	2	1	2	2	5	8
Totals	255	2024	23	16	27	14	25	27	22	28	18	18	20	18	218
Procedures	2024										2025				
	2023	2024	June	July	August	September	October	November	December	January	February	March	April	May	12mth rolling
Bilobectomy		2	0	1	0	0	0	0	0	0	0	0	0	0	1
Lobectomy		65	10	3	6	1	3	7	8	4	2	1	3	4	45
Segmentectomy		28	0	0	3	2	1	5	3	5	2	3	2	2	24
Wedge		58	6	4	8	3	4	10	5	7	5	4	7	0	56
Pneumonectomy		0	0	0	0	0	0	0	0	0	1	0	0	0	1
Esophagectomy		6	0	0	1	1	0	0	0	1	0	0	2	0	3
PEH		80	5	6	5	5	13	4	5	7	4	3	5	6	57
Mediastinal Mass/Thymus		15	0	0	1	1	2	0	1	2	1	4	0	0	12
Diaphragm Plication		2	0	1	0	1	0	0	0	0	0	0	0	0	2
Decortication		3	0	0	0	0	0	0	0	0	0	0	0	0	0
Other		20	2	1	3	0	2	1	0	2	3	3	1	2	17
Totals		278	23	16	27	14	25	27	22	28	18	18	20	14	218

	Surgeon Lifetime Robotic surgery
A	817
B	15
C	757
D	113
Totals	1702



HMH South Thoracic Surgery Robotic Cases by Year



Meridian Thoracic & Esophageal Surgery																
12 Month Rolling STS & Thoracic Data																
												2025				
Indicator Description	2022	2023	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	rolling 12 month	Benchmark
Total cases	718	758	93	100	78	74	101	58	94	86	78	100	90	99	1,051	
LOS Index																
JSUMC	0.69	0.82	1.12	0.56	0.59	0.73	0.60	1.07	0.49	1.15	0.64	0.71	0.49	1.28	0.83	
RMC	0.64	0.65	0.51	0.55	0.64	0.46	0.77	0.42	0.32	0.47	0.61	0.67	0.60	0.90	0.58	
OUMC	0.93	1.04	0.30	0.37	0.46	0.33	N/A	0.95	0.30	0.24	0.46	0.49	0.50	0.36	0.39	
SOMC	1.09	0.97	0.45	0.36	0.37	0.32	1.08	N/A	N/A	1.56	N/A	0.84	0.26	0.36	0.53	
BMC	1.63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.35	
LOS Days Mean (Obs)																
JSUMC	2.98	3.94	5.28	2.70	2.81	2.67	2.31	5.08	1.75	5.35	2.71	2.50	1.58	7.81	3.33	
RMC	2.92	2.53	1.75	2.00	2.75	1.80	3.00	2.00	1.00	1.85	2.00	3.00	2.25	4.50	2.03	
OUMC	3.82	4.57	1.00	2.72	1.50	1.00	N/A	3.00	1.00	1.00	2.00	1.50	2.00	1.33	1.40	
SOMC	4.50	3.80	2.00	1.00	1.00	1.00	3.00	N/A	N/A	7.00	N/A	3.00	1.00	1.50	2.15	
BMC	19.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.00	
Mortality Index																
JSUMC	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RMC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OUMC	0	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SOMC	0	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0.00	N/A	0.00	0.00	0.00	0.00	
BMC	3.34	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Cases with post op event	6.55%	5.67%	4.30%	3.00%	6.41%	4.05%	9.90%	3.45%	4.26%	5.81%	8.97%	6.00%	4.44%	1.01%	5.14%	
	47	43	4	3	5	3	10	2	4	5	7	6	4	1	54	
Discharge to home	92.62%	94.39%	96.67%	94.12%	96.15%	100.00%	95.65%	93.75%	92.31%	93.75%	100.00%	96.67%	100.00%	96.15%	96.68%	
total pts	244	214	30	17	26	19	23	16	13	32	22	30	18	26	272	
	226	202	29	16	25	19	22	15	12	30	22	29	18	25	262	
Mortality Rate	1.25%	2.49%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.28%	0.00%	0.00%	0.00%	0.10%	
	9	7	0	0	0	0	0	0	0	0	1	0	0	0	1	
30 Day Unplanned Readmission Rate	2.23%	1.98%	1.08%	1.00%	0.00%	0.00%	0.99%	1.72%	0.00%	1.16%	0.00%	0.00%	2.22%	1.01%	1.16%	
	16	15	1	1	0	0	1	1	0	1	0	0	2	1	8	

Outcomes
next slide

NOT d/c home: esophageal perforation repair
prolonged LOS (28 days) required
RN & PT in rehab

Post Operative Outcomes March

DOS	Procedure	STS primary L/E cancer Y/N	Mortality	pulmonary event	cardiovasc ular	GI	Transfu sion	Urologic	Infection	Neurology	Misc	Unplanned ROR	Unplanned Readmit	comments
	wedge	Yes		air leak >5days									yes	Air leak resolved POD 6 & CT removed prior to d/c home POD 10 readmitted for fall workup reveal GIB EGD 3/14 3 non-bleeding ulcers. started on PPI

All Lung Cancer Resections

Meridian Thoracic & Esophageal Surgery 12 Month Rolling STS Thoracic Data																			
ALL lung cancer resections																			
Indicator Description	2022	2023	2024	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	rolling 12 month	next Rolling 3 yr STAR RATING 1/1/2022_12/31/2024	Benchmark	
Total cases	96	85	107	11	7	9	6	13	4	5	14	12	10	7	5	103	288		
wedge	18	13	26	5	3	0	2	4	2	1	2	2	3	4	1	29	57		
segmentectomy	21	20	25	3	2	0	0	3	1	1	5	3	4	1	3	26	66		
lobectomy	54	51	53	3	2	9	3	6	1	3	6	6	3	1	1	44	158		
pneumonectomy	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3		
Bilobectomy	0	1	3	0	0	0	1	0	0	0	0	1	0	0	0	2	4		
Median POLOS	3.00	2.00	2.14	1.00	1.00	2.00	1.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	2.50	1.00	2.81	3	
range	1-22	1-18	1-11	1-5	1-2	1-4	1-4	1-6	1-2	1-3	1-5	1-9	1-8	1-2	1-6		1-22		
CoC standard 5.8 compliance (LN)	90.63%	83.53%	90.65%	81.82%	100.00%	88.89%	83.33%	100.00%	100.00%	100.00%	92.86%	91.67%	80.00%	85.71%	100.00%	91.26%		80.00%	CoC standard
	87	71	97	9	7	8	5	13	4	5	13	11	8	6	5	94			
Absence of Mortality	100.00%	96.47%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.31%	99.28%	STS 75th percentile
	96	83	107	11	7	9	6	13	4	5	14	12	10	7	5	103	286		
Absence of Major Complication	92.71%	92.94%	98.13%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	91.67%	100.00%	100.00%	100.00%	99.03%	94.79%	95.52%	STS 75th percentile
	89	79	105	11	7	9	6	13	4	5	14	11	10	7	5	102	273		
Major Complications																0	0		
Pneumonia	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		
ARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BPF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
Vent >49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Respiratory failure	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
Trached	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ROR	3	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	6		
Multiple major complications	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		

Next Harvest closes
September 5, 2025

Includes surgery
7/1/21-06/30/2025



STS

Spring 2025 Harvest Report

Dates of Surgery: 1/1/2022-12/31/2024



Hackensack Meridian
Jersey Shore University
Medical Center



Spring 2025 Harvest Composite Quality Ratings Summary

Two hundred ninety-six (296) General Thoracic Surgery Database Participants uploaded analyzable files to the data warehouse for the period ending December 31, 2024.

The GTSD Composite Quality Ratings are based on a 3-year analytic period. The Spring 2025 Harvest analysis includes surgery dates of January 1, 2022 – December 31, 2024.

Participants must have at least 30 eligible procedures for each individual composite (Lobectomy for Lung Cancer and Lung Cancer Resection), 15 eligible procedures for the Esophagectomy Composite, meeting inclusion criteria, for the 3-year harvest period to receive a star rating.

STS Participant Performance – Pulmonary Resection for Primary Lung Cancer

	Overall	Absence of Mortality	Absence of Morbidity
Worse than Expected	12	-	10
As Expected	196	235	203
Better than Expected	27	-	22

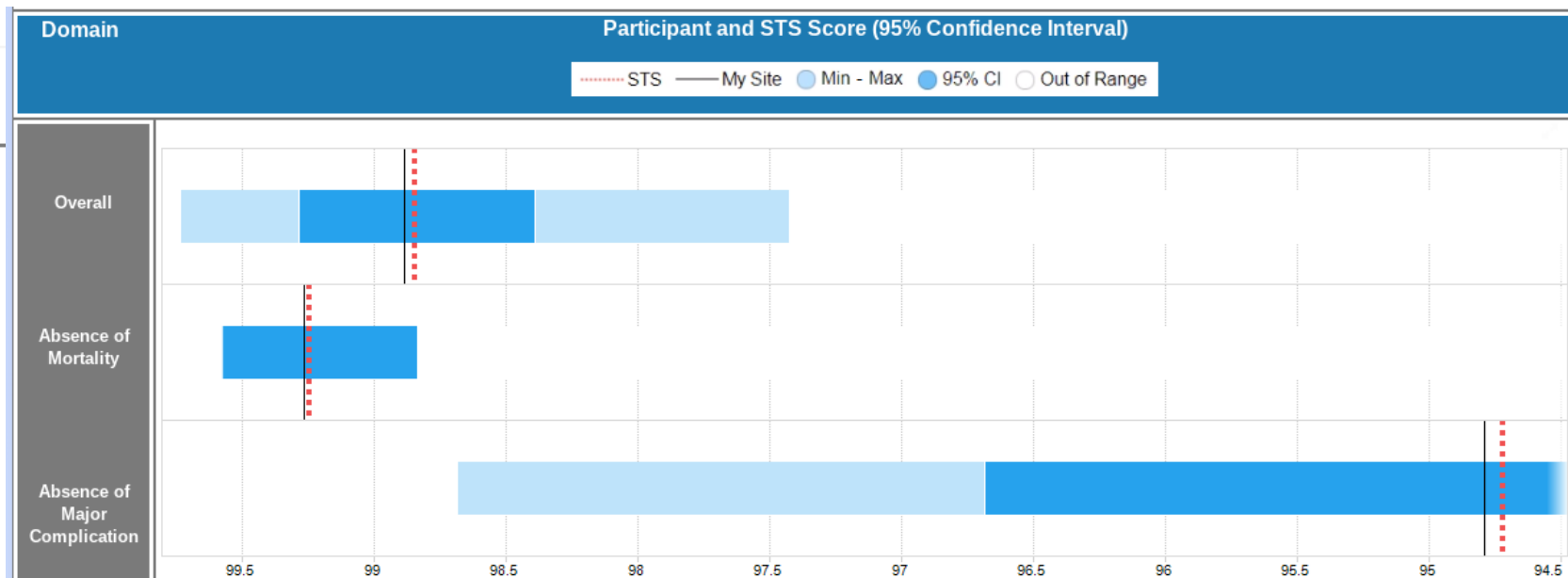
STS Participant Performance – Esophagectomy for Primary Esophageal Cancer

	Overall	Absence of Mortality	Absence of Morbidity
Worse than Expected	4	-	2
As Expected	84	103	91
Better than Expected	16	1	11



Domain	Rating	Participant		STS				
		Score	95% CI	Score	Min - Max	25th	Median	75th

Overall Absence of Mortality Absence of Major Complication	As Expected	98.89%	(98.39-99.29)	98.85%	(97.42-99.73)	98.66%	98.88%	99.06%
	As Expected	99.27%	(98.83-99.57)	99.25%	(99.00-99.42)	99.22%	99.26%	99.28%
	As Expected	94.79%	(92.37-96.69)	94.72%	(88.39-98.68)	93.92%	94.86%	95.62%





Esophagectomy Composite Quality Rating
Participant:40398
STS Reporting Period Ending Dec 2024

Domain	Rating	Participant		STS				
		Score	95% CI	Score	Min - Max	25th	Median	75th
Overall		87.12%	(79.72-92.76)	92.30%	(85.02-97.96)	90.80%	92.58%	93.57%
Absence of Mortality		95.48%	(89.04-98.53)	96.21%	(92.19-98.32)	95.76%	96.32%	96.76%
Absence of Major Complication		60.13%	(40.13-77.25)	74.31%	(52.42-91.82)	70.83%	74.28%	77.75%



Participant Performance for Lung Cancer Compared to STS and NIS Databases

Participant: 40398

STS Reporting Period Ending Dec 2024



[See Details](#)

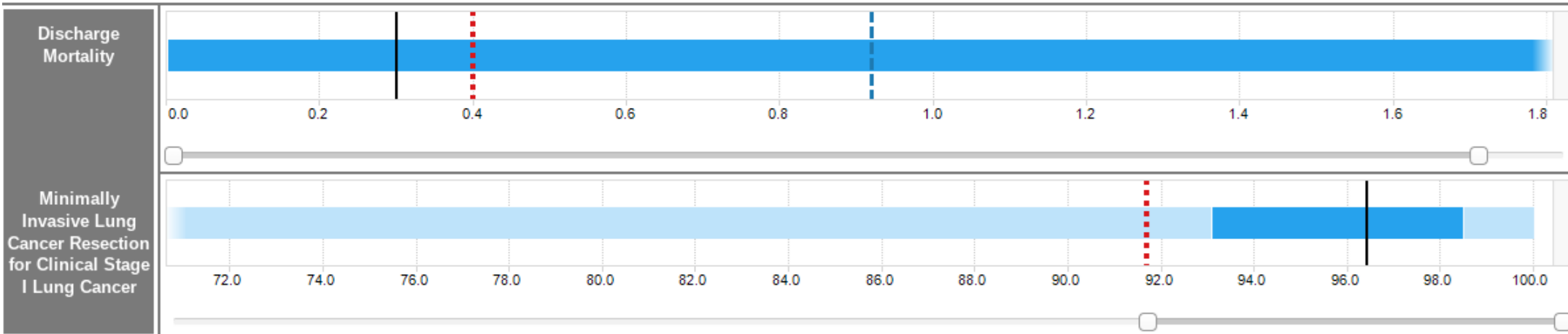
Domain	Participant				STS				NIS		
	N	# of pat	Score	95% CI	Score	N	# of pat	Min - Max	Score	N	# of pat
Discharge Mortality	288	1	0.30%	(0.00-1.90)	0.40%	67072	284	(0.00-0.11)	0.92%	124395	1140
Minimally Invasive Lung Cancer Resection for Clinical Stage I Lung Cancer	223	215	96.40%	(93.10-98.50)	91.70%	52064	47718	(0.00-100.00)			

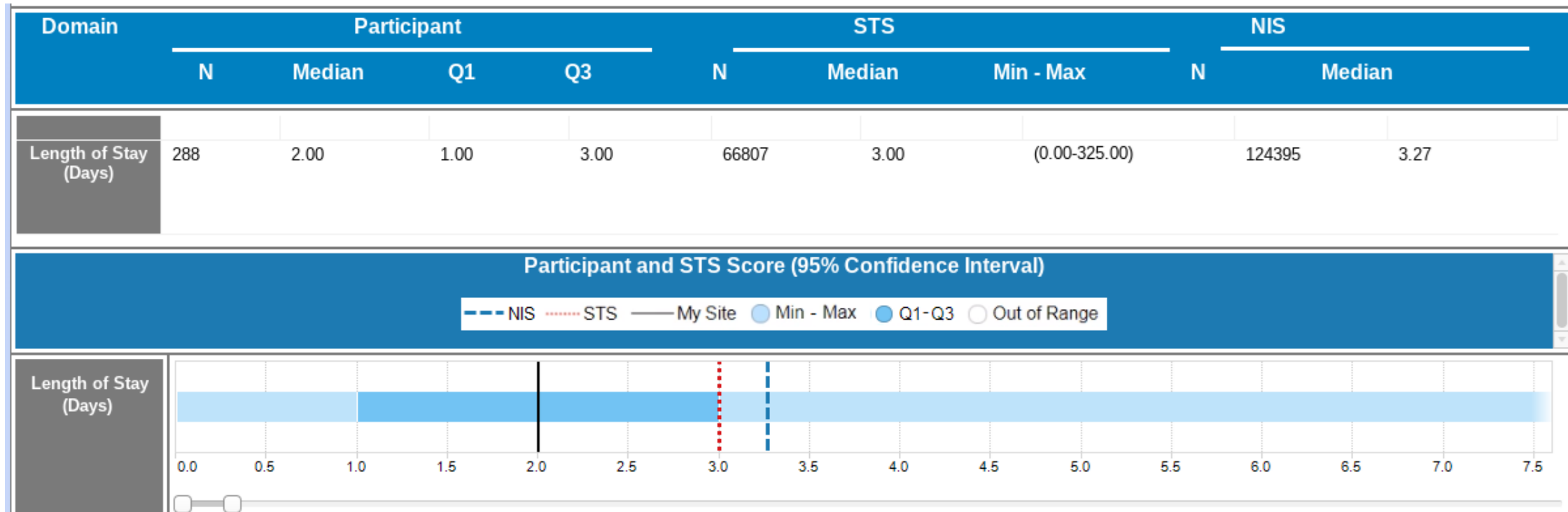
Participant and STS Score (95% Confidence Interval)

--- NIS STS — My Site ● Min - Max ● 95% CI ○ Out of Range

To the
LEFT is
BETTER

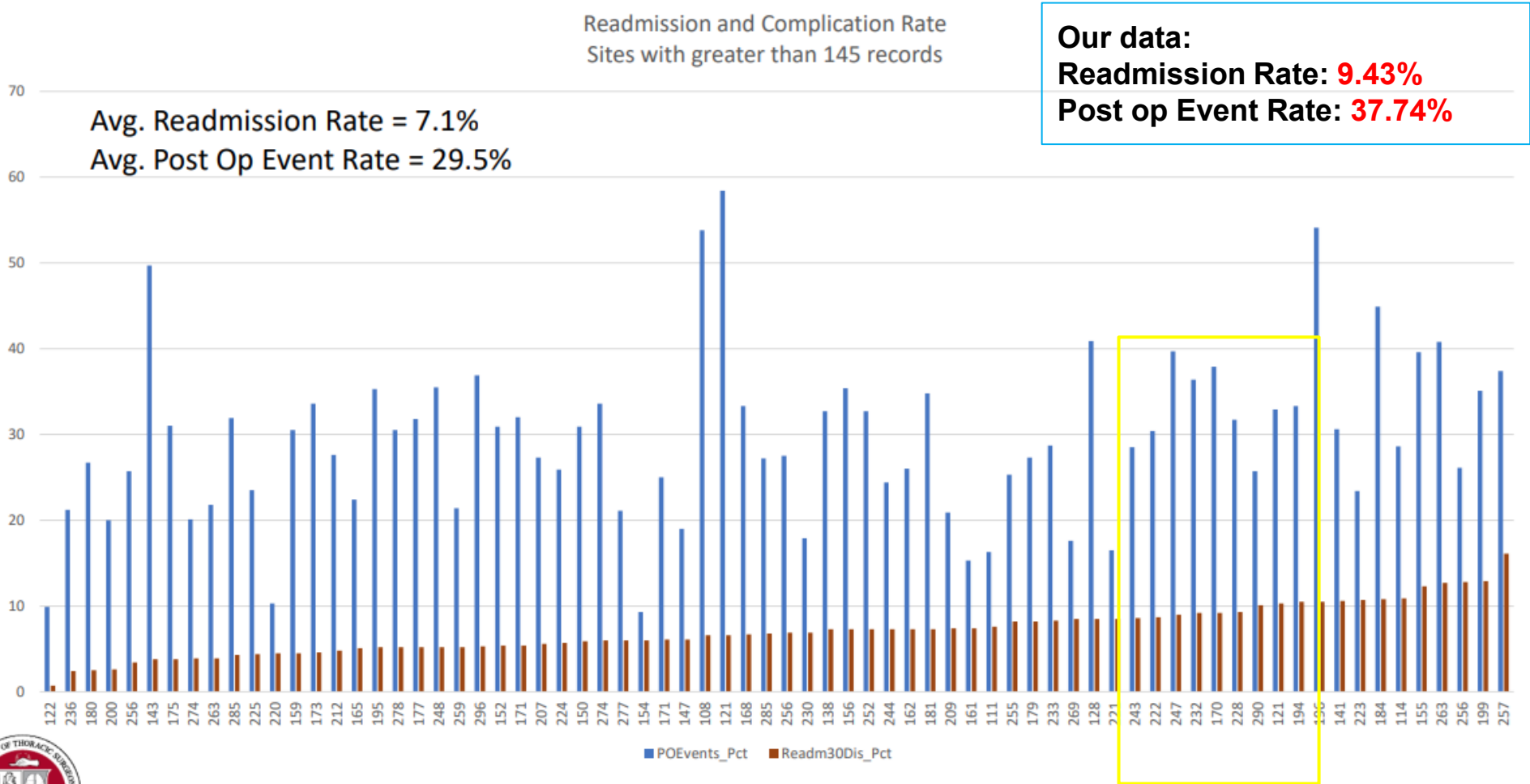
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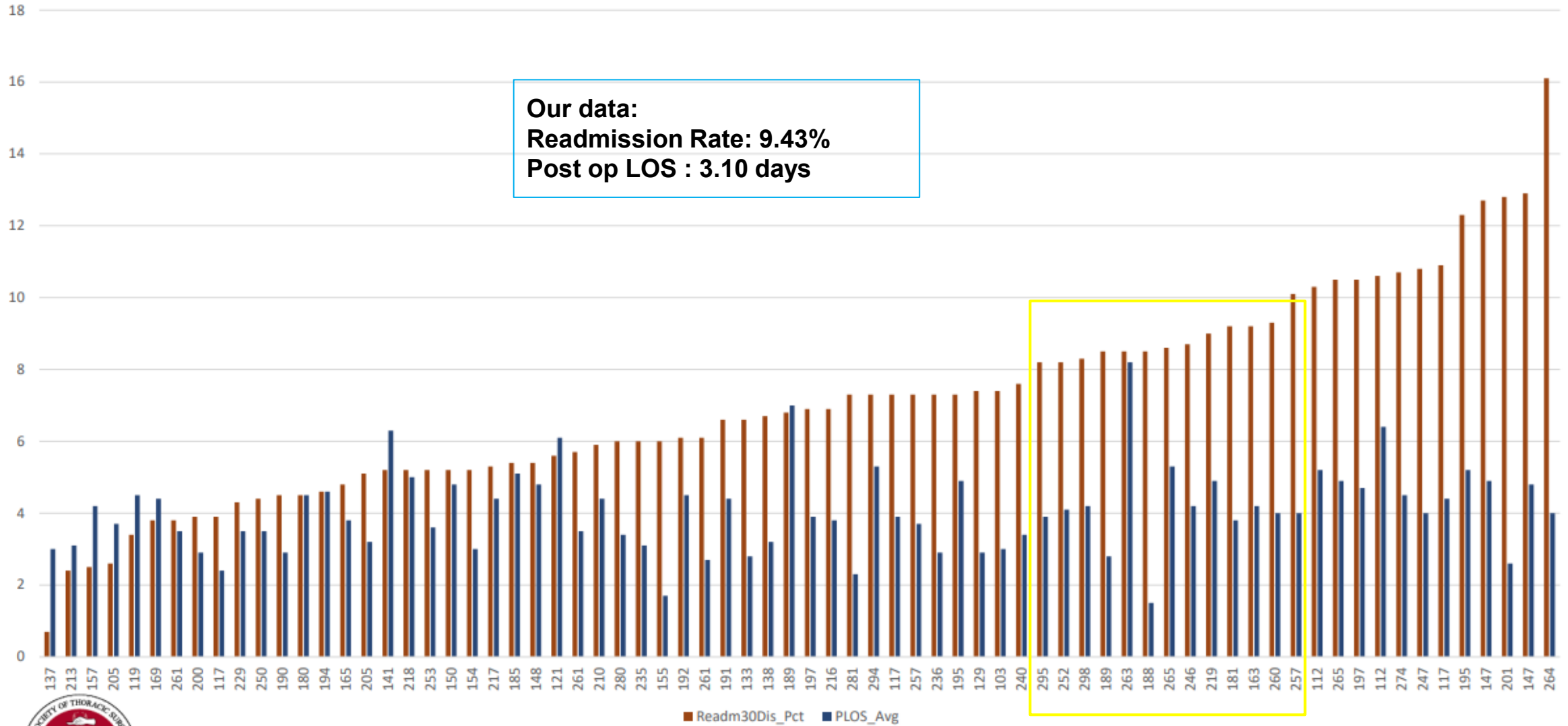
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STS National Quality Improvement Project
Readmission - Lung Cancer
Spring Harvest 2024 (Surgery dates 1/1/2020-12/31/2023)



Readmission with Post-Op LOS Sites with more than 145 records

Our data:
Readmission Rate: 9.43%
Post op LOS : 3.10 days



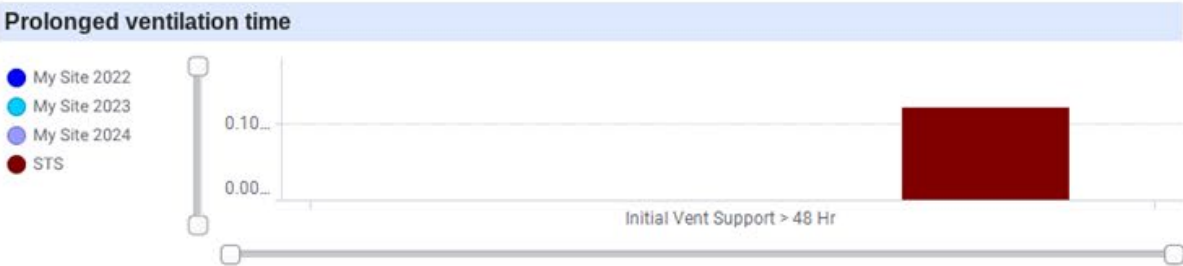
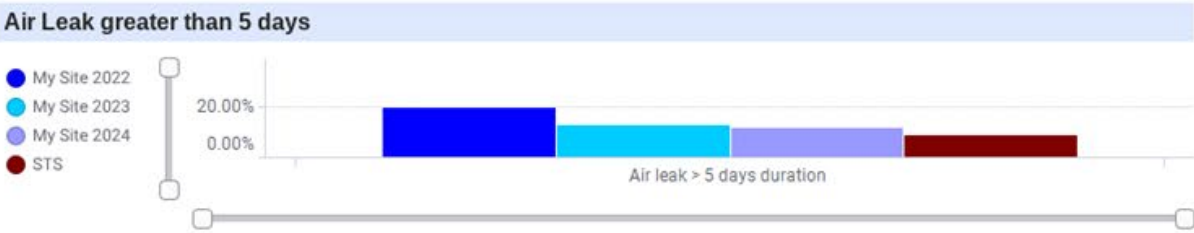
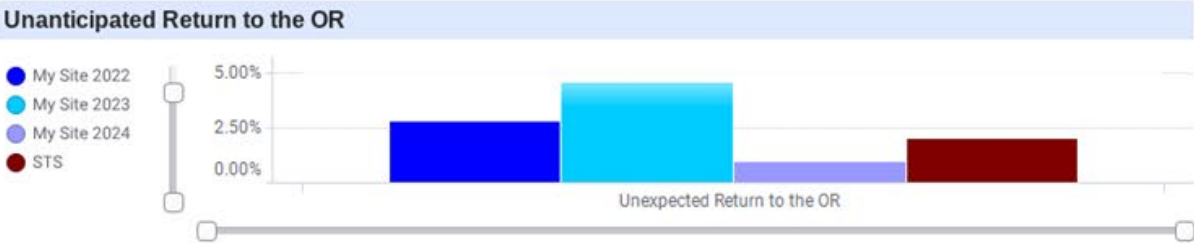
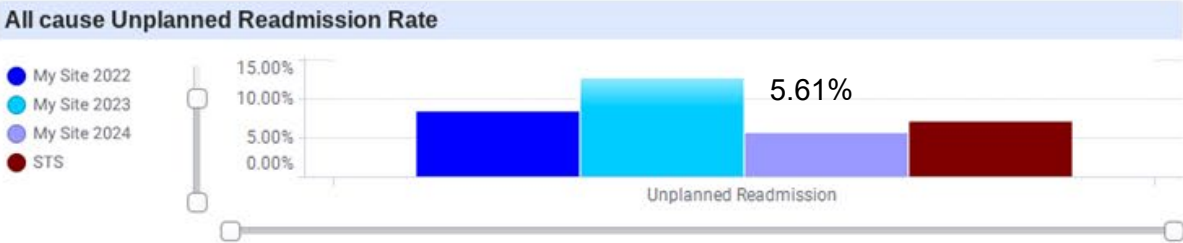
Readmission review and tracking in dashboard

DOS	Procedure	STS primary L/E cancer Y/N	Mortality	pulmonary event	cardiovascular	GI	Transfusion	Urologic	Infection	Neurology	Misc	Unplanned ROR	Unplanned Readmit	comments
	Lobectomy	yes		air leak >5 days therapeutic bronch									yes	readmitted for persistent air leak
	Sternal plating, resection of costal cartilage	no											yes	
	Lobectomy	yes			atrial a...								yes	readmit for pleural effusion no intervention
	PEH	no											yes	
	diverticulectomy	no											yes	Readmitted w empyema. ROR
	Esophagectomy	yes		Pleural effusion req. dr...	MI								yes	readmit for MI & pl effusion
	Segmentectomy	yes		Pleural effusion req. dr...				Urinary...	other ...				yes	admitted for COPD exacerbation. significant pleural effusion- thoracentesis +blood cultures started on IV antibiotics pt expired 4/26/24
	Lobectomy	yes											yes	pt admitted for afib (prior hx)
	wedge	no										yes	yes	pt readmitted for another lung resection 4/8
	Lobectomy	yes										yes	yes	readmitted 4/8 w/colitis RTO w/ vascular for mesenteric ischemia
	Segmentectomy	no		pneumothorax req. CT									yes	sent from office with left pneumothorax and admitted for CT placement
	wedge	no											yes	readmit X2 chest pain. Heart cath patent stent. neg. cardiac. d/c back home
	Lobectomy	yes		pneumothorax req. CT	atrial a...								yes	readmitted for afib & admitted for pneumo
	Segmentectomy	yes		air leak >5 days									yes	readmitted for vasc surgery
	Wedge	no		pneumonia									yes	readmitted for pneumonia
	other	no		air leak >5 days									yes	vizient reported- pt had air leak and went home with chest tube and readmitted POD# 3 & POD 21 for copd
	Segmenectomy	Yes			DVT re...							yes	yes	readmit POD 15 DVT ROR w vasc for thrombectomy
	PEH	No		pleural effusion req drain...					organ...				yes	POD 22 output. pleural effusion IR drain then Readmit discharge day 29 (POD 30) (12 day LOS) DVT (splenic & portal vein) & sepsis (+bld cx 3/5). Organ space SSI dx on POD 30 (3/6)
	wedge	Yes						UTI				no	yes	pt was readmitted POD 9 for scrotal abscess (unrelated ROR) & tx for complicated UTI
	wedge	Yes		air leak >5days									yes	Air leak resolved POD 6 & CT removed prior to d/c home POD 10 readmitted for fall workup reveal GIB EGD 3/14 3 non-bleeding ulcers. started on PPI



Bar Graphs - Lung Resection

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Thank you!!

