

Mercy Hospital St. Louis

Joint Commission Thrombectomy-Capable Stroke Center

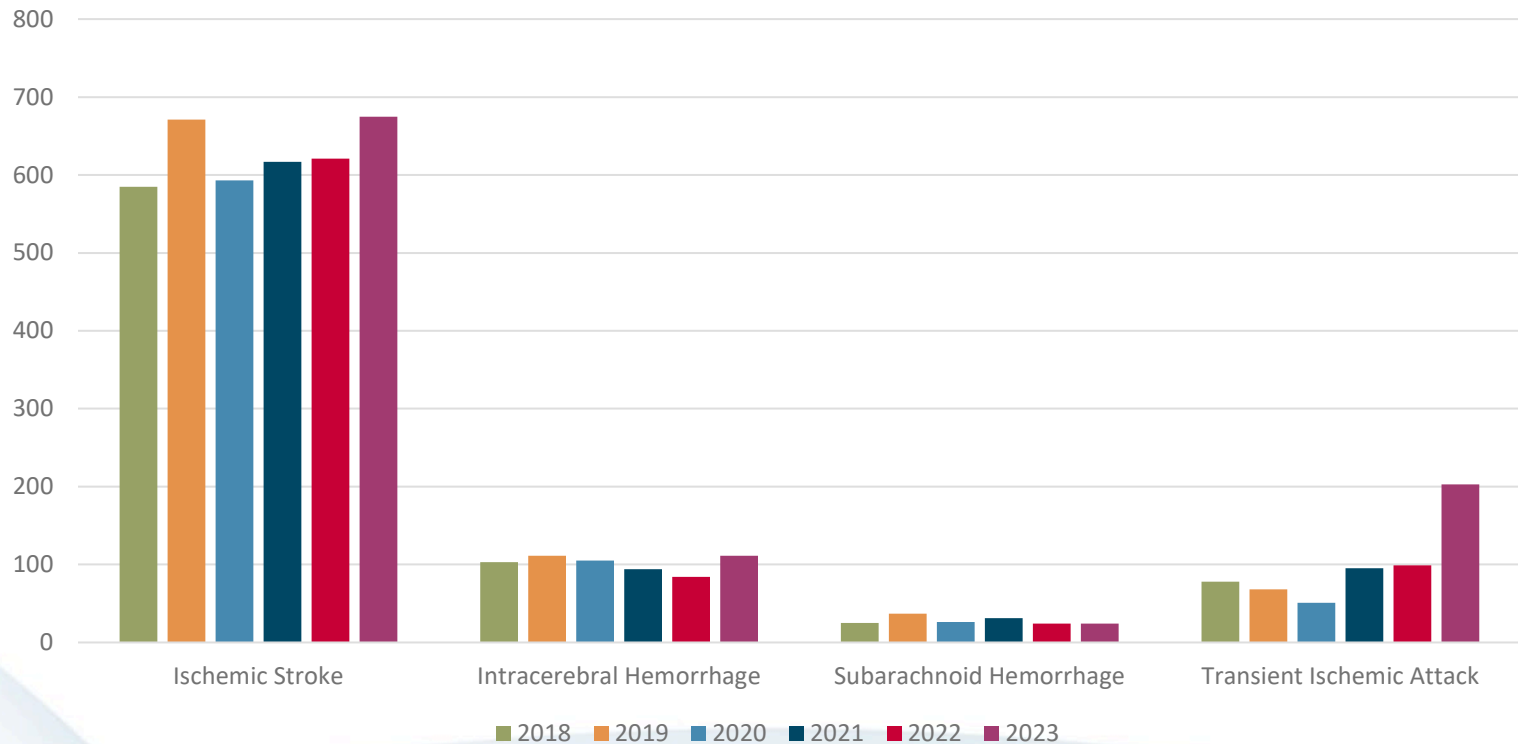
Stroke Center Metrics



Types of Stroke

Types of Stroke (*Inpatients with Primary Diagnosis)	2018	2019	2020	2021	2022	2023
Ischemic Stroke	585	671	593	617	621	675
Intracerebral Hemorrhage	103	111	105	94	84	111
Subarachnoid Hemorrhage	25	37	26	31	24	24
Transient Ischemic Attack	78	68	51	95	99	203
Total:	791	887	775	837	828	1,013

Type of Stroke



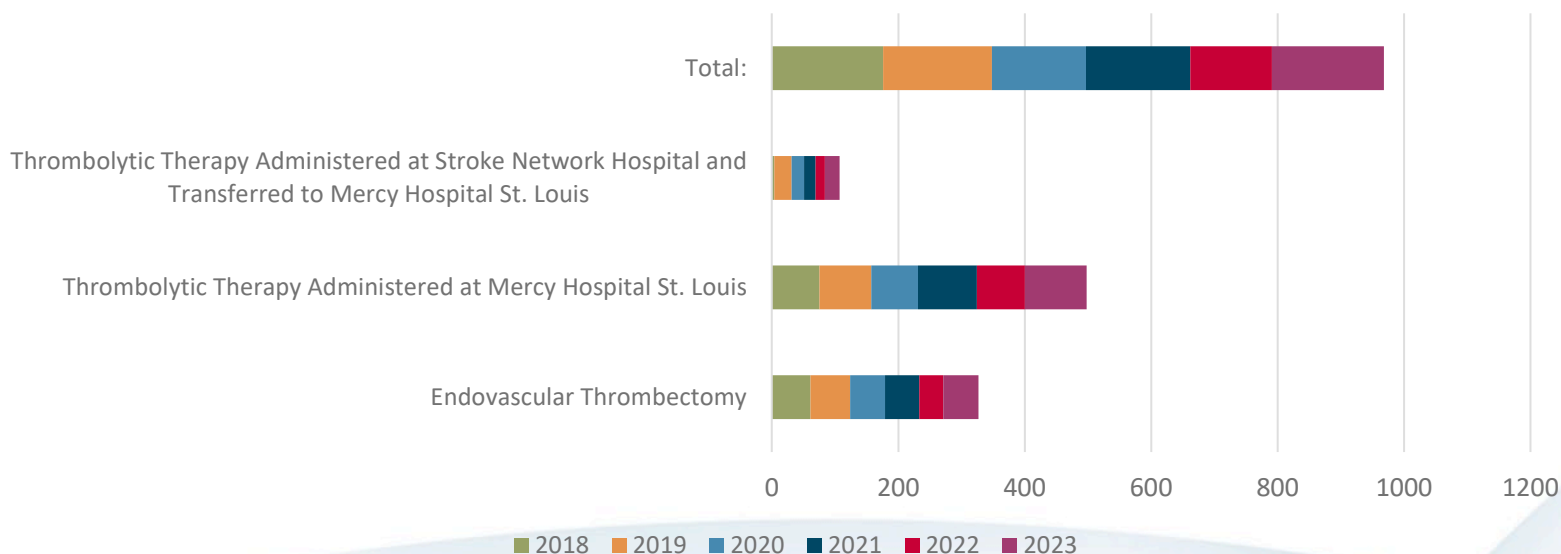
Ischemic Stroke Treatment

The number of patients treated at Mercy Hospital St. Louis who received intravenous thrombolytic therapy (tPA) for their ischemic stroke and those who were considered for or received endovascular thrombectomy therapy.

<https://www.ahajournals.org/doi/10.1161/STR.0000000000000211>

Ischemic Stroke Treatment	2018	2019	2020	2021	2022	2023
Endovascular Thrombectomy	61	63	55	54	38	56
Thrombolytic Therapy Administered at Mercy Hospital St. Louis	75	82	74	93	76	98
Thrombolytic Therapy Administered at Stroke Network Hospital and Transferred to Mercy Hospital St. Louis	4	27	20	18	15	23
Total:	176	172	149	165	129	177

Ischemic Stroke Treatment



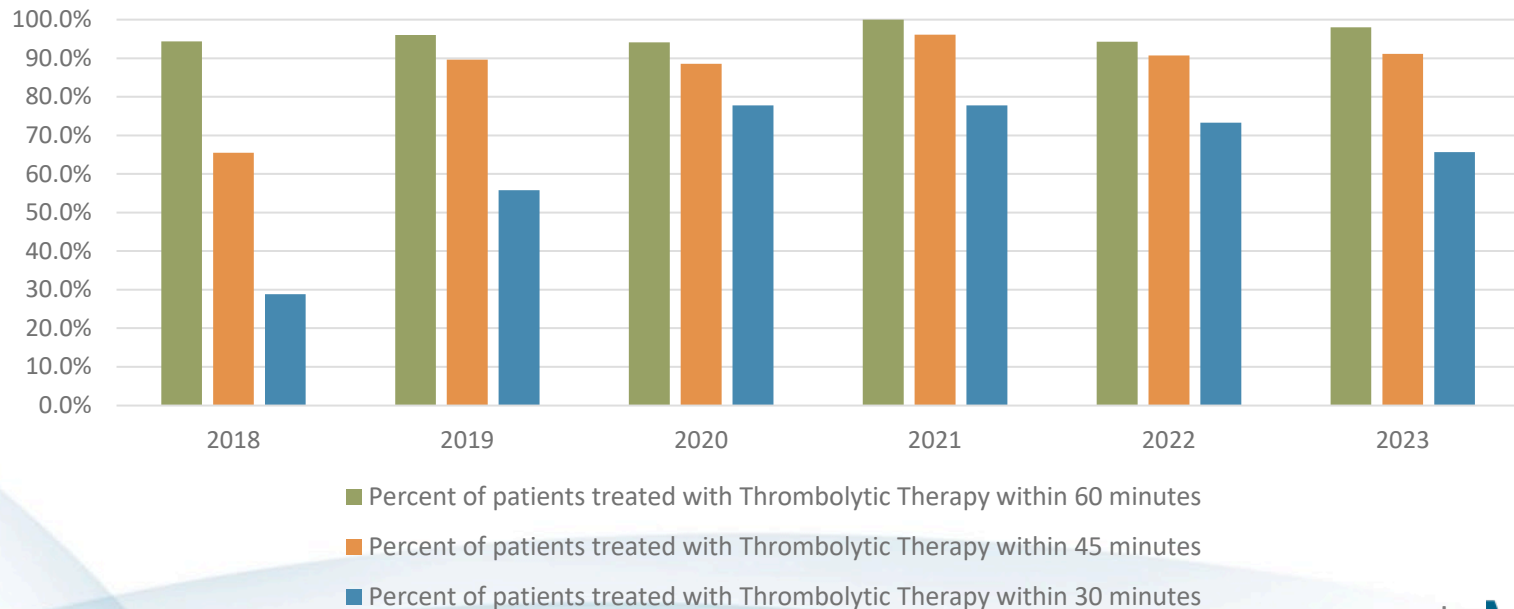
Ischemic Stroke Treatment

Percent of acute ischemic stroke patients receiving tPA therapy during the hospital stay who have a time from hospital arrival to initiation of thrombolytic therapy administration (door-to-needle) of 60 minutes or less, 45 minutes or less, and 30 minutes or less.

	2018	2019	2020	2021	2022	2023
Percent of patients treated with Thrombolytic Therapy within 60 minutes	94.4%	96.0%	94.1%	100%	94.3%	98%
Percent of patients treated with Thrombolytic Therapy within 45 minutes	65.5%	89.6%	88.6%	96.1%	90.7%	91.1%
Percent of patients treated with Thrombolytic Therapy within 30 minutes	28.8%	55.8%	77.8%	77.8%	73.3%	65.7%

Ischemic Stroke Treatment

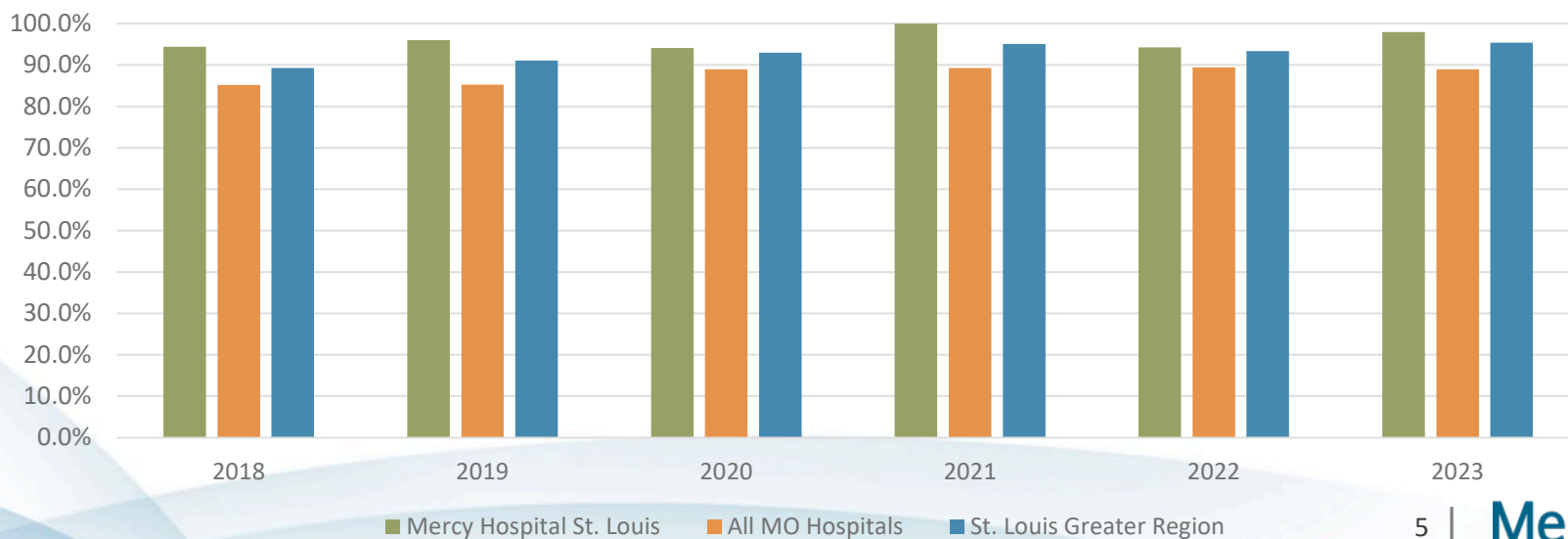
Less than 60, 45, & 30 minutes



Intravenous Thrombolytic Therapy - 60 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	% of Patients
Mercy Hospital St. Louis	2018	571	51	94.4%
	2019	595	48	96.0%
	2020	583	48	94.1%
	2021	617	57	100.0%
	2022	621	50	94.3%
	2023	658	48	98%
Missouri	2018	12457	992	85.2%
	2019	13142	1093	85.3%
	2020	12684	1116	89.0%
	2021	12933	1147	89.3%
	2022	13021	1073	89.4%
	2023	13940	1210	89%
St. Louis Greater Region	2018	5533	451	89.3%
	2019	5845	460	91.1%
	2020	5461	502	93.0%
	2021	5613	461	95.1%
	2022	5460	455	93.4%
	2023	5478	454	95.4%

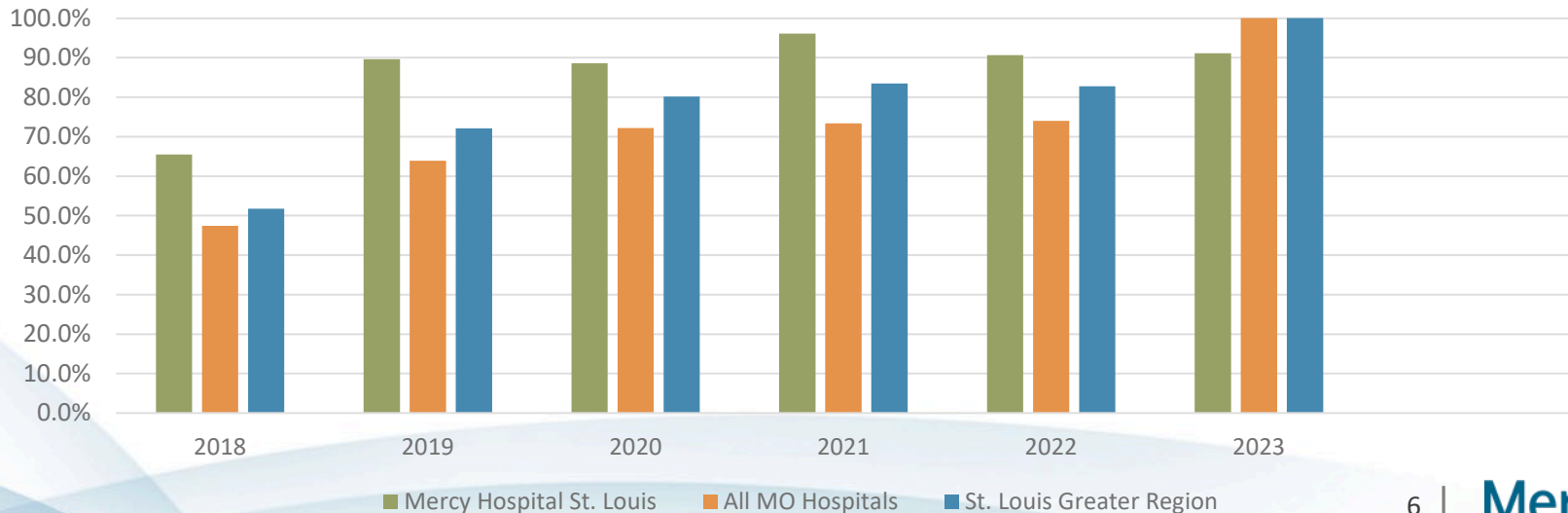
IV Thrombolytic Therapy < 60 minutes



Intravenous Thrombolytic Therapy - 45 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	% of Patients
Mercy Hospital St. Louis	2018	571	38	65.5%
	2019	595	43	89.6%
	2020	583	39	88.6%
	2021	617	49	96.1%
	2022	621	39	90.7%
	2023	658	41	91.1%
Missouri	2018	12457	659	47.4%
	2019	13142	791	63.9%
	2020	12684	829	72.2%
	2021	12933	853	73.4%
	2022	13021	801	74.0%
	2023	13940	889	72.8%
St. Louis Greater Region	2018	5533	310	51.8%
	2019	5845	347	72.1%
	2020	5461	393	80.2%
	2021	5613	369	83.5%
	2022	5460	355	82.8%
	2023	5478	339	78.1%

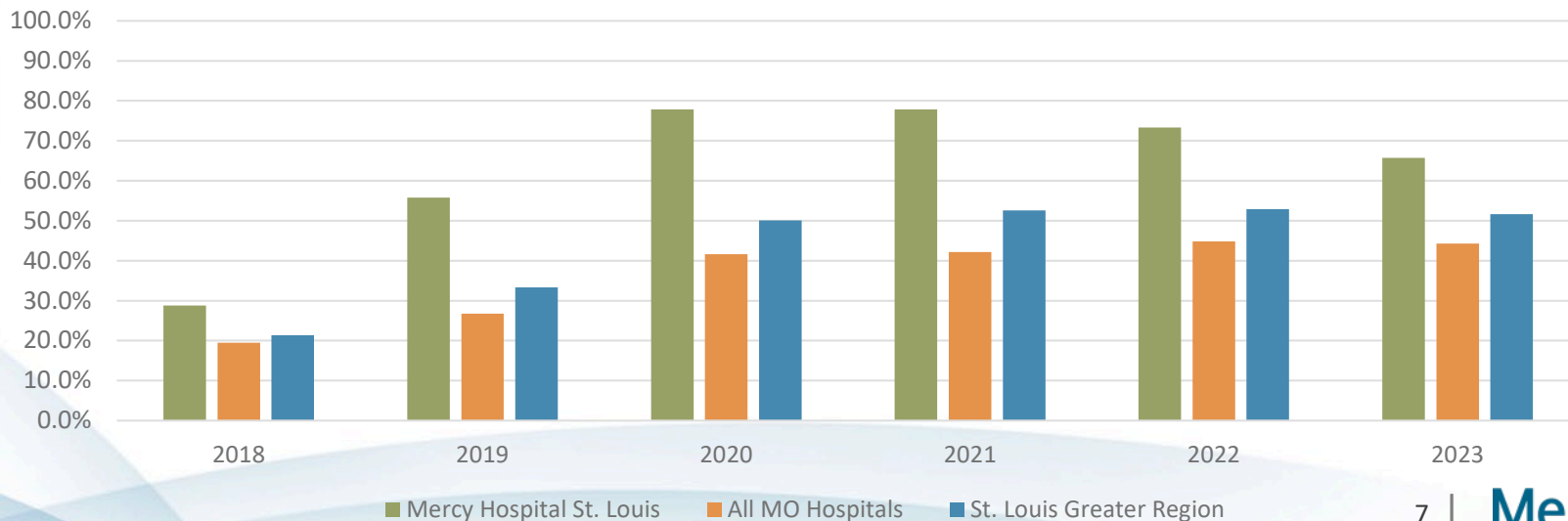
IV Thrombolytic Therapy < 45 minutes



Intravenous Thrombolytic Therapy - 30 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	% of Patients
Mercy Hospital St. Louis	2018	571	17	28.8%
	2019	595	24	55.8%
	2020	583	28	77.8%
	2021	617	28	77.8%
	2022	621	22	73.3%
	2023	658	23	65.7%
Missouri	2018	12457	273	19.5%
	2019	13142	331	26.8%
	2020	12684	417	41.6%
	2021	12926	419	42.2%
	2022	13007	422	44.8%
	2023	13940	444	44.3%
St. Louis Greater Region	2018	5533	129	21.4%
	2019	5845	158	33.3%
	2020	5461	205	50.1%
	2021	5613	185	52.6%
	2022	5460	190	52.9%
	2023	5478	195	51.6%

IV Thrombolytic Therapy < 30 minutes

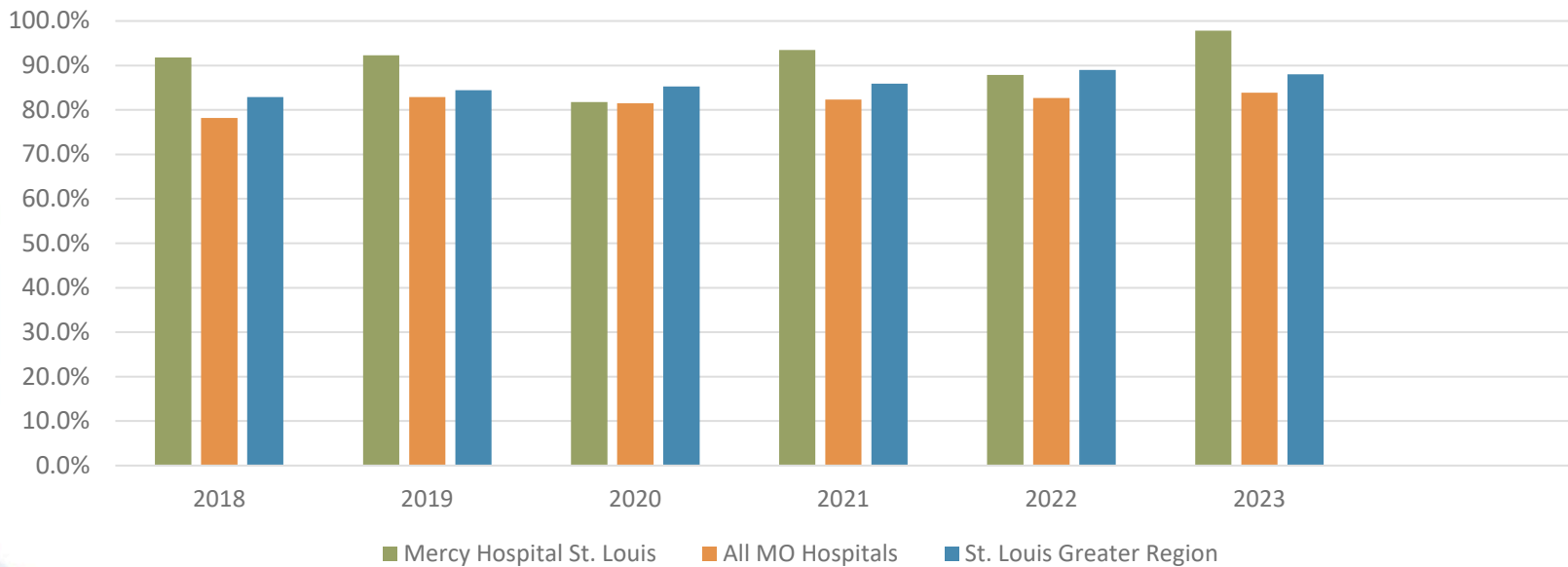


Ischemic Stroke Treatment Outcomes

The Thrombolysis in Cerebral Infarction (TICI) scale is a tool used to grade the degree of perfusion obtained following recanalization of an arterial occlusion. Recanalization of an arterial occlusion increases reperfusion into distal segments of the artery and restores blood flow to brain tissue. Score may range from 0 (no perfusion) to 3 (full perfusion with filling of all distal branches).

Endovascular Thrombectomy Cases with TICI Score of 2b or 3	2018	2019	2020	2021	2022	2023
Mercy Hospital St. Louis	91.8%	92.3%	81.8%	93.5%	87.9%	97.8%
All Missouri Hospitals	78.2%	82.9%	81.5%	82.3%	82.7%	83.9%
St. Louis Greater Region	82.9%	84.4%	85.3%	85.9%	89.0%	88%

Endovascular Thrombectomy Cases with TICI Score of 2b or 3**

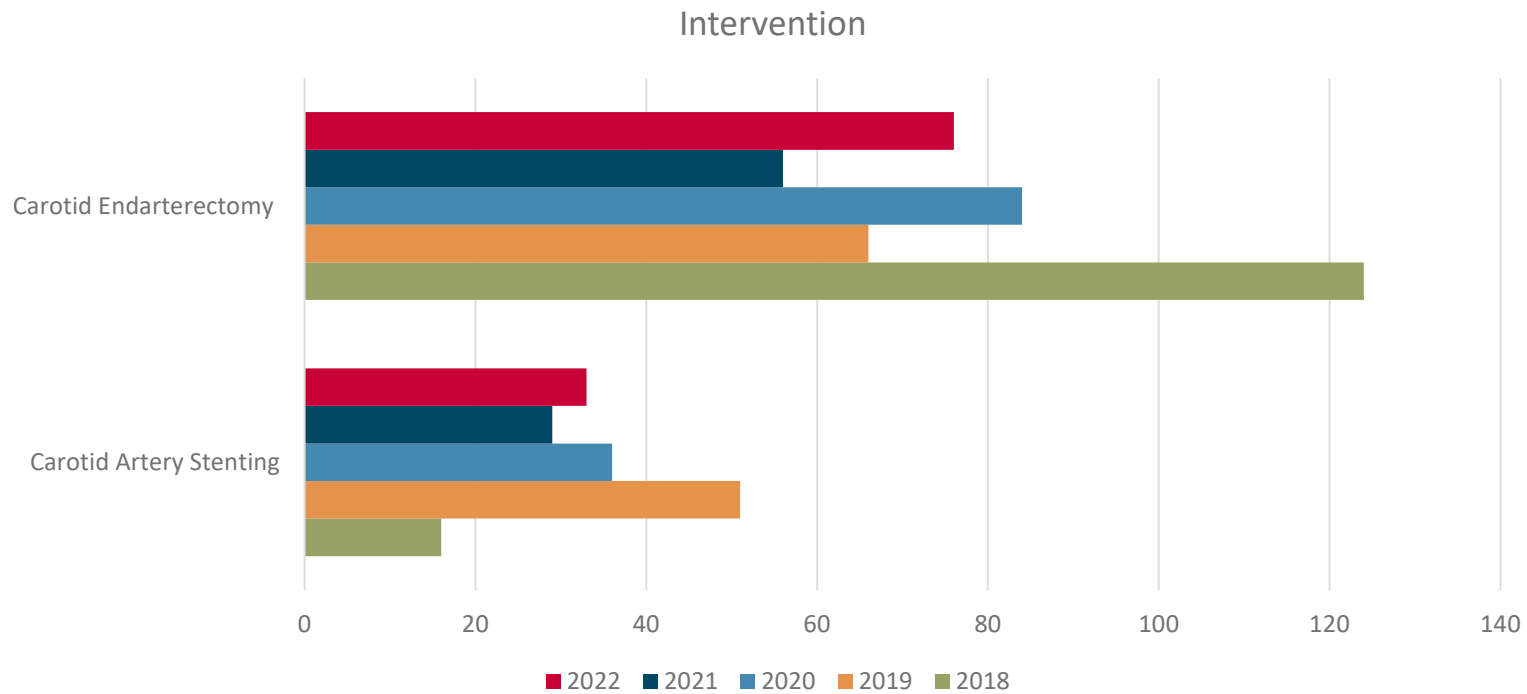


**TICI score = Thrombolysis in Cerebral Infarction in Reperfusion Grade

Carotid Artery Intervention

The number of patients with carotid artery disease that are treated with carotid artery stenting (CAS) and carotid endarterectomy (CEA).

Carotid Artery Intervention	2018	2019	2020	2021	2022	2023
Carotid Artery Stenting	16	51	36	29	33	62
Carotid Endarterectomy	124	66	84	56	76	78
Total:	140	117	120	85	109	140

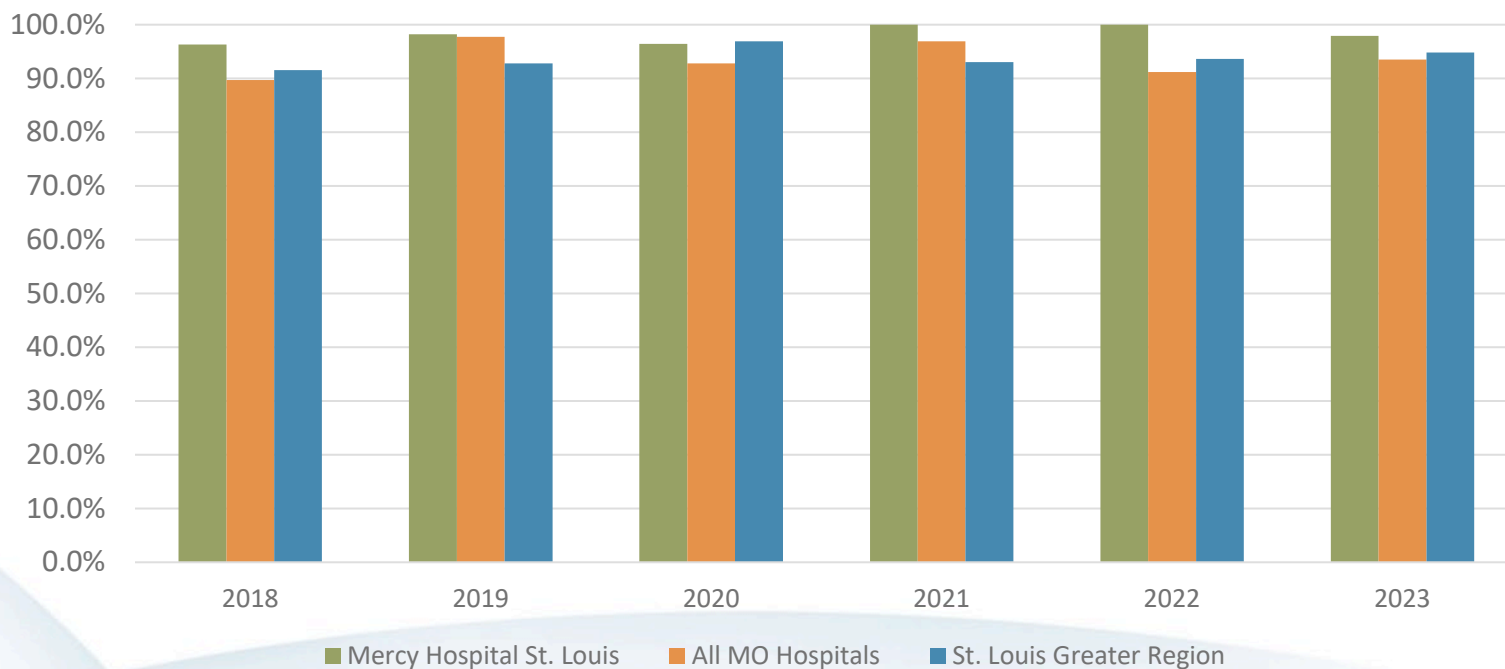


IV Thrombolytic Arrive by 3.5 Hour, Treat by 4.5 Hour

Percent of acute ischemic stroke patients who arrive at the hospital within 210 minutes (3.5 hours) of time last known well and for whom IV t-PA was initiated at this hospital within 270 minutes (4.5 hours) of time last known well.

Legend	2018	2019	2020	2021	2022	2023
Mercy Hospital St. Louis	96.3%	98.2%	96.4%	100.0%	100.0%	97.9%
All MO Hospitals	89.7%	87.7%	93.5%	93.8%	91.2%	93.5%
St. Louis Greater Region	91.5%	92.8%	96.9%	93.0%	93.6%	94.8%

IV Thrombolytic
Arrive by 3.5 hours
Treat by 4.5 hours

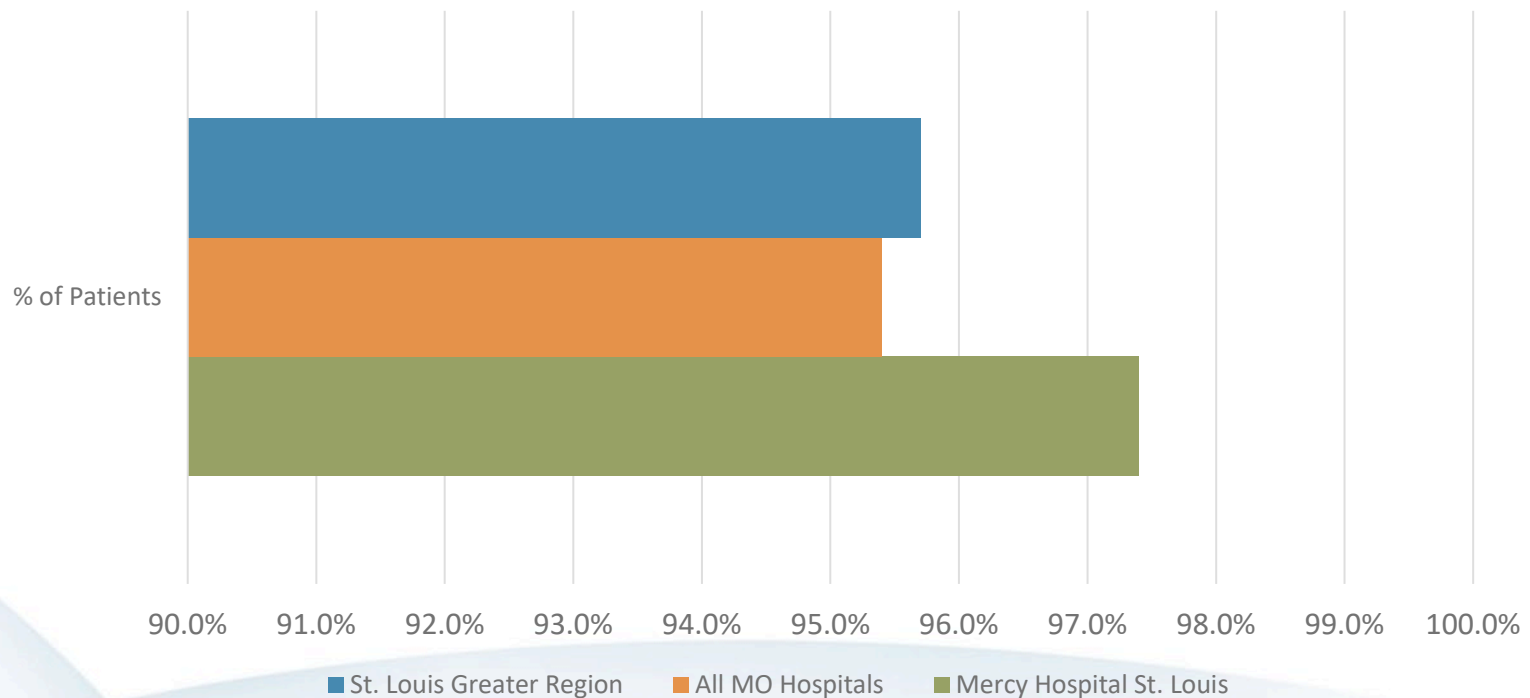


Calendar Year 2023 Quality Measures AHASTR10 NIHSS Reported

Percent of ischemic stroke and stroke not otherwise specified patients with a score reported for NIH Stroke Scale

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	675	647	664
All MO Hospitals	14103	12374	12970
St. Louis Greater Region	5543	5050	5275

AHASTR10: NIHSS Reported
CY 2023



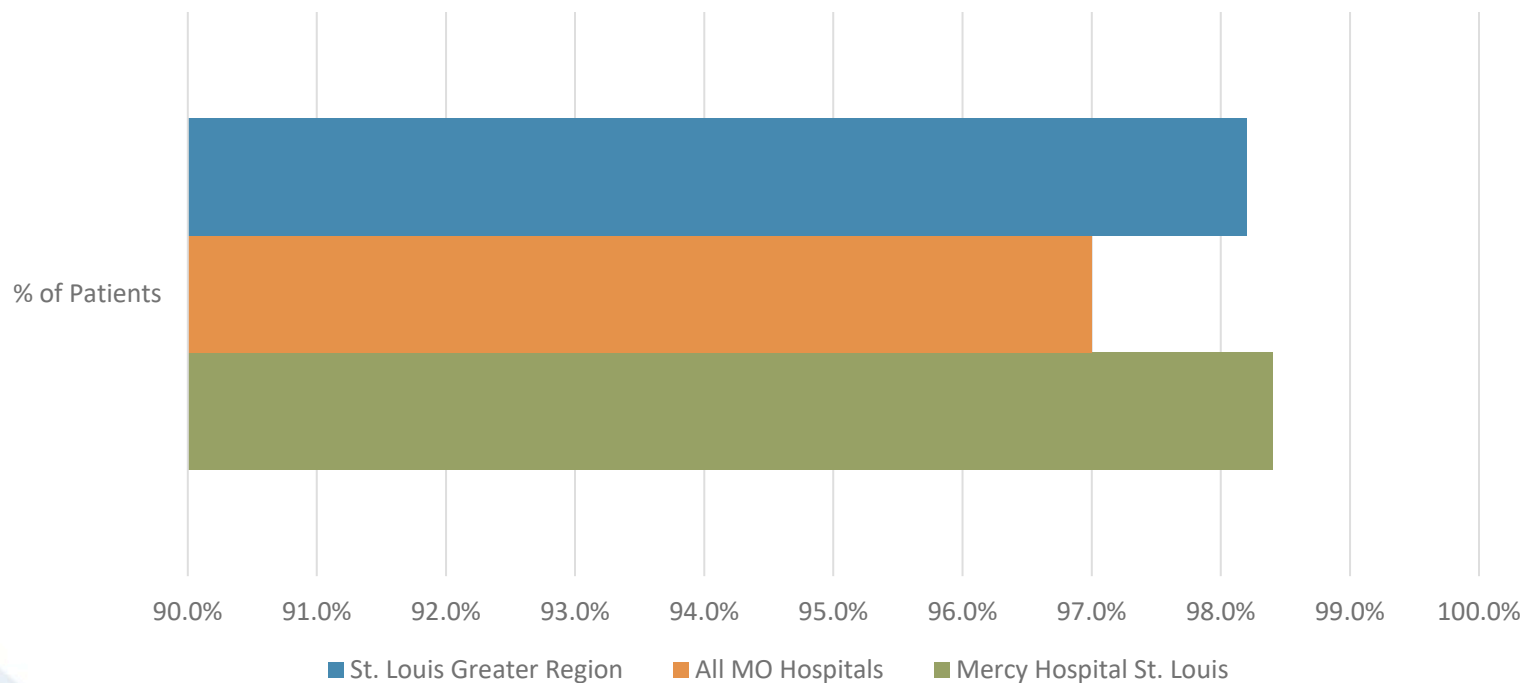
Calendar Year 2023 STK Measures

STK - 1

Ischemic and hemorrhagic stroke patients who received VTE prophylaxis or have documentation why no VTE prophylaxis was given the day of or the day after hospital admission.

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	615	625
All MO Hospitals	19581	9975	10285
St. Louis Greater Region	7766	4582	4666

STK - 1
CY 2023



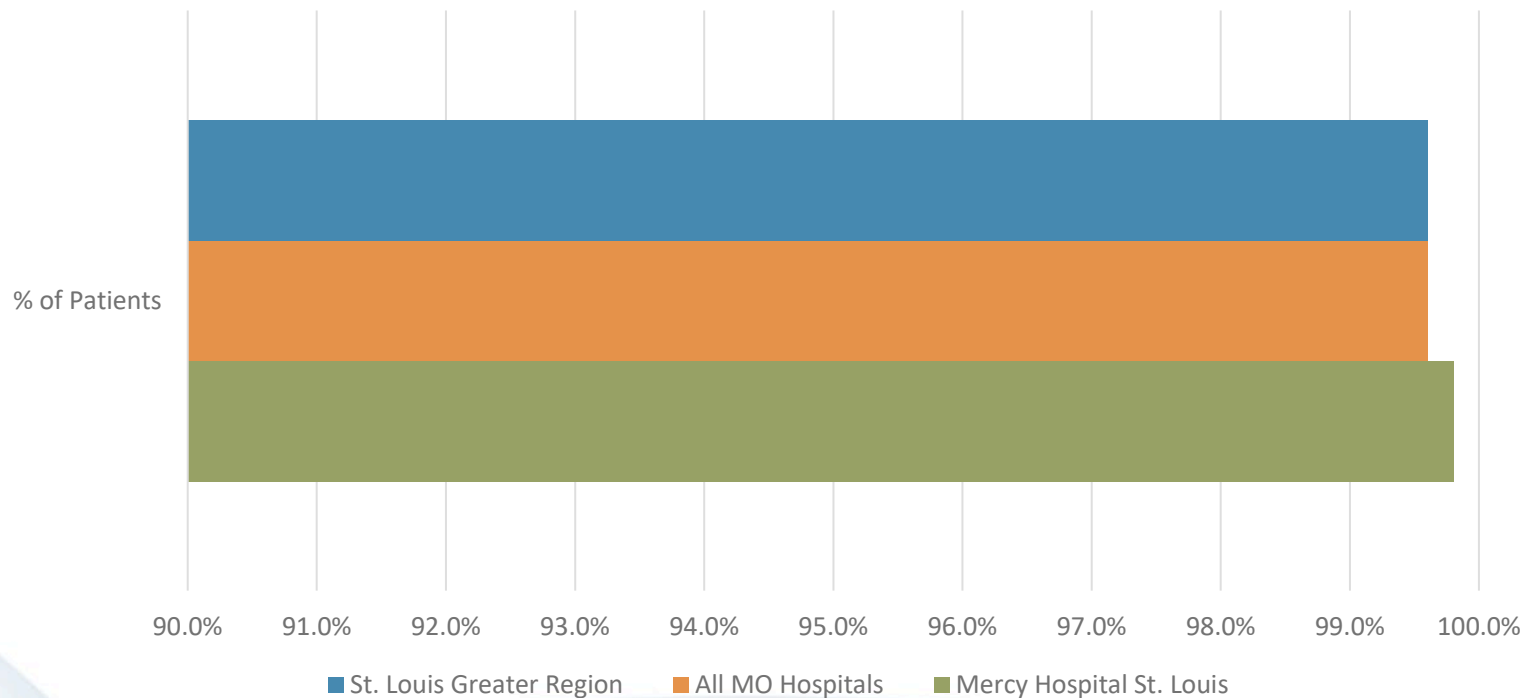
Calendar Year 2023 STK Measures

STK - 2

Ischemic stroke patients prescribed antithrombotic therapy at hospital discharge

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	545	546
All MO Hospitals	19581	8732	8767
St. Louis Greater Region	7766	3741	3755

STK - 2
CY 2023



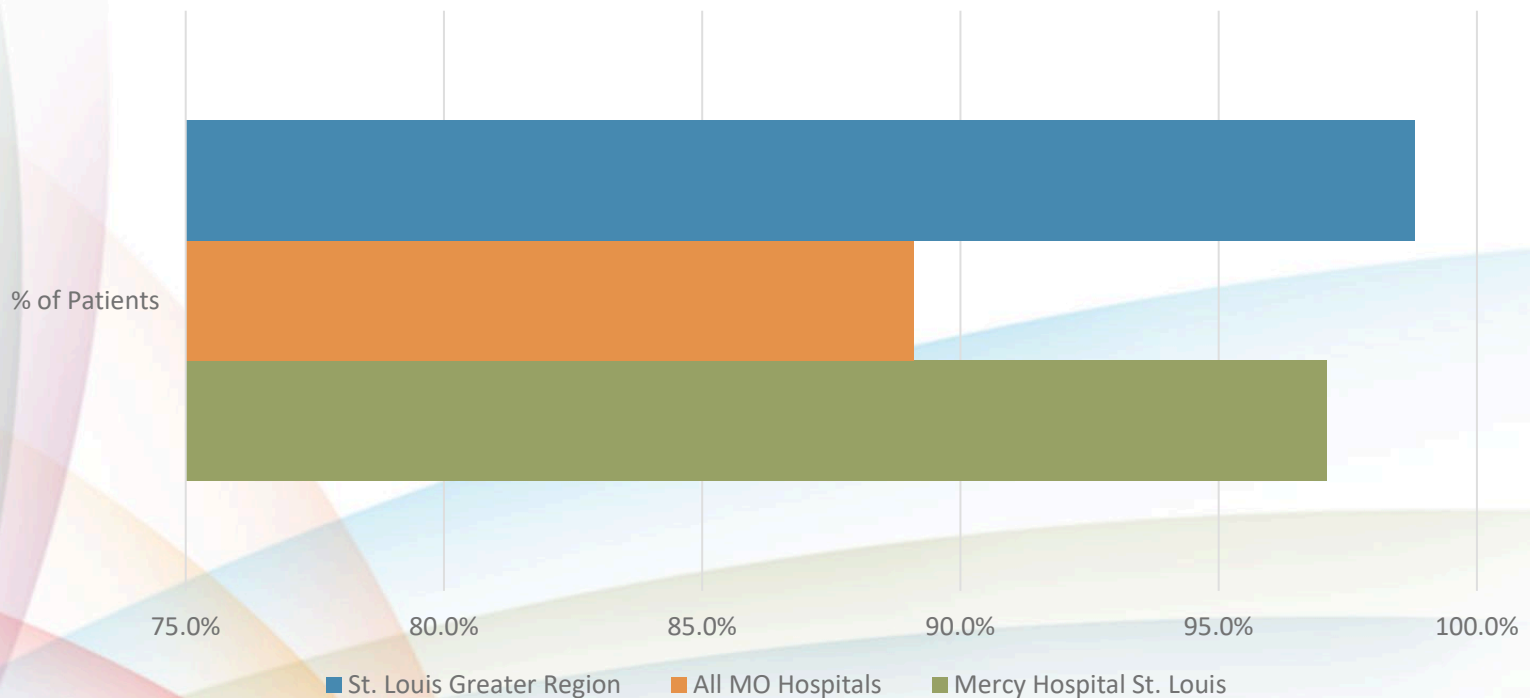
Calendar Year 2023 STK Measures

STK - 4

Acute ischemic stroke patients who arrive at this hospital within 2 hours of time last known well and for whom IV t-PA was initiated at this hospital within 3 hours of time last known well.

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	33	34
All MO Hospitals	19581	797	895
St. Louis Greater Region	7766	321	325

STK - 4
CY 2023



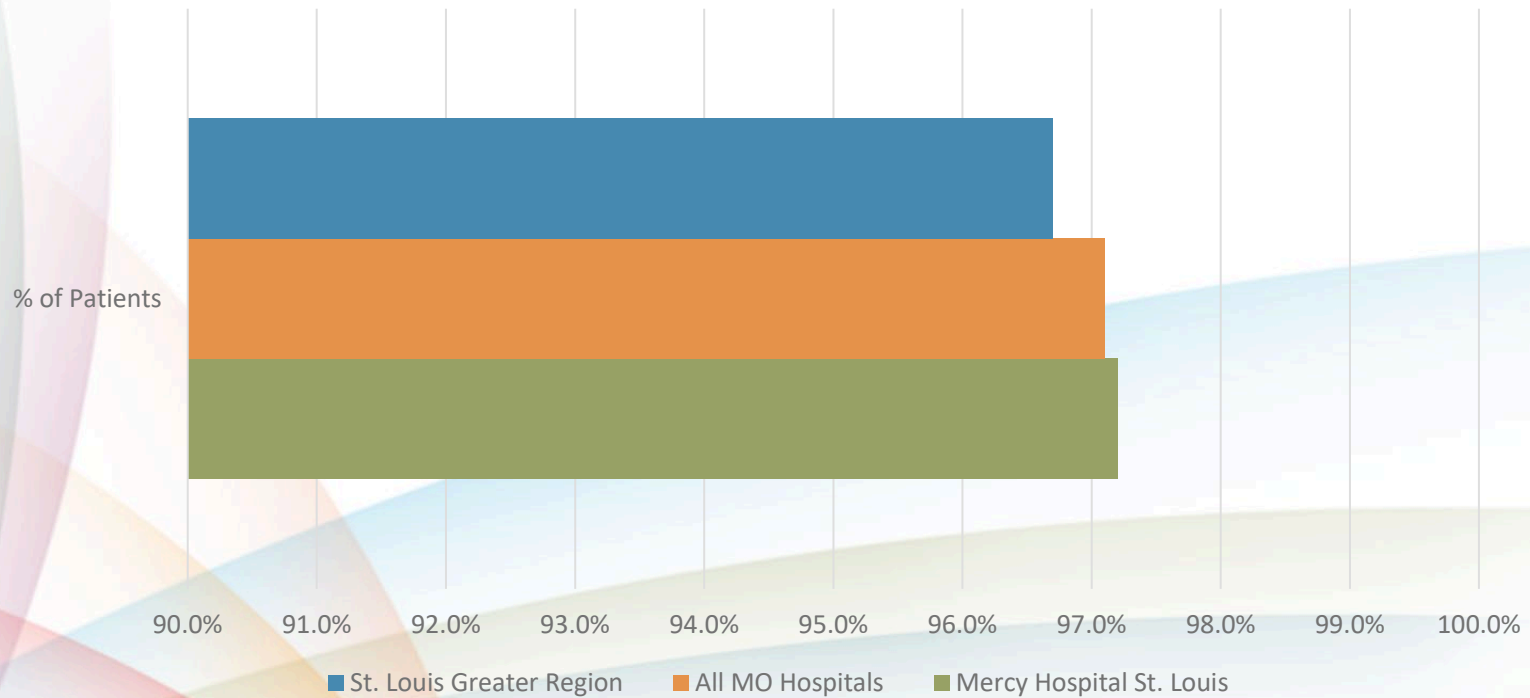
Calendar Year 2023 STK Measures

STK - 5

Ischemic stroke patients administered antithrombotic therapy by the end of hospital day

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	387	398
All MO Hospitals	19581	6612	6807
St. Louis Greater Region	7766	2754	2847

STK - 5
CY 2023



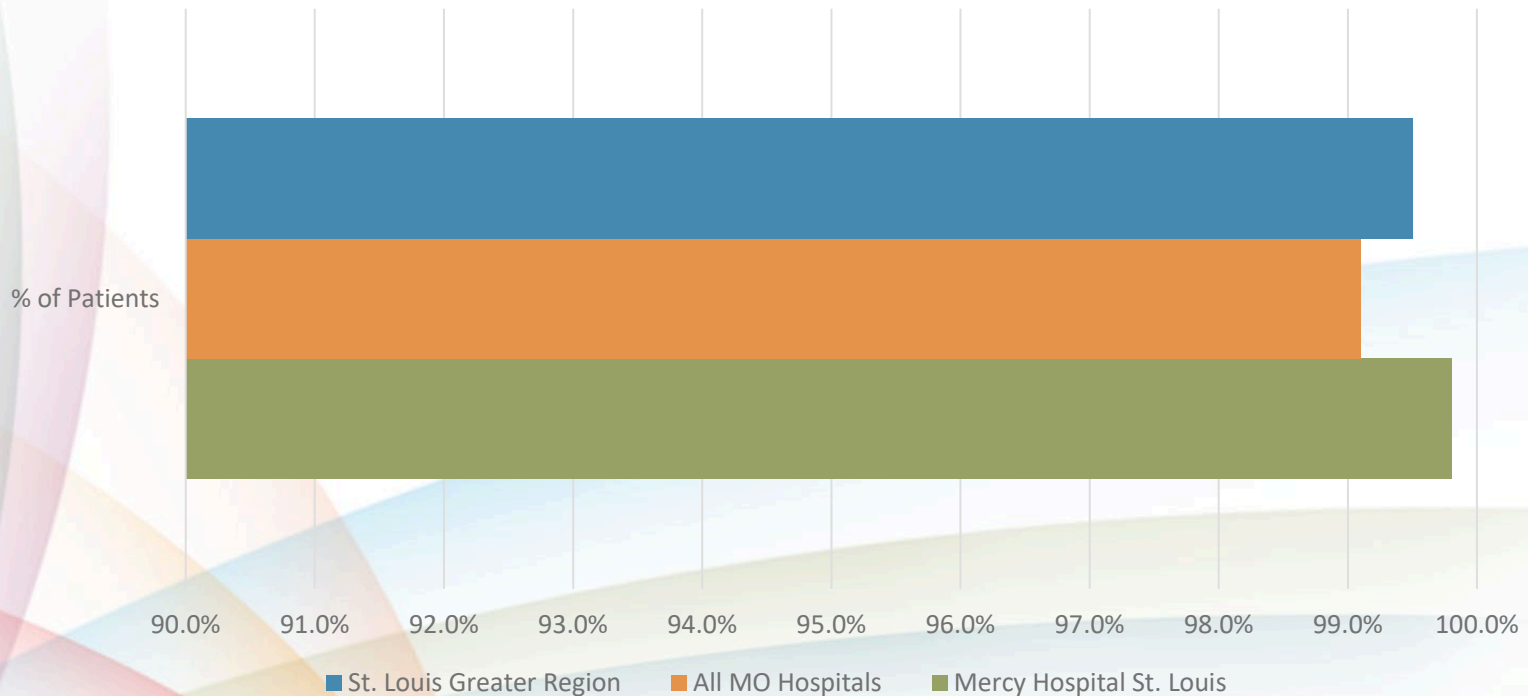
Calendar Year 2023 STK Measures

STK - 6

Ischemic stroke patients who are prescribed statin medication at hospital discharge.

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	523	524
All MO Hospitals	19581	8367	8446
St. Louis Greater Region	7766	3606	3623

STK - 6
CY 2023



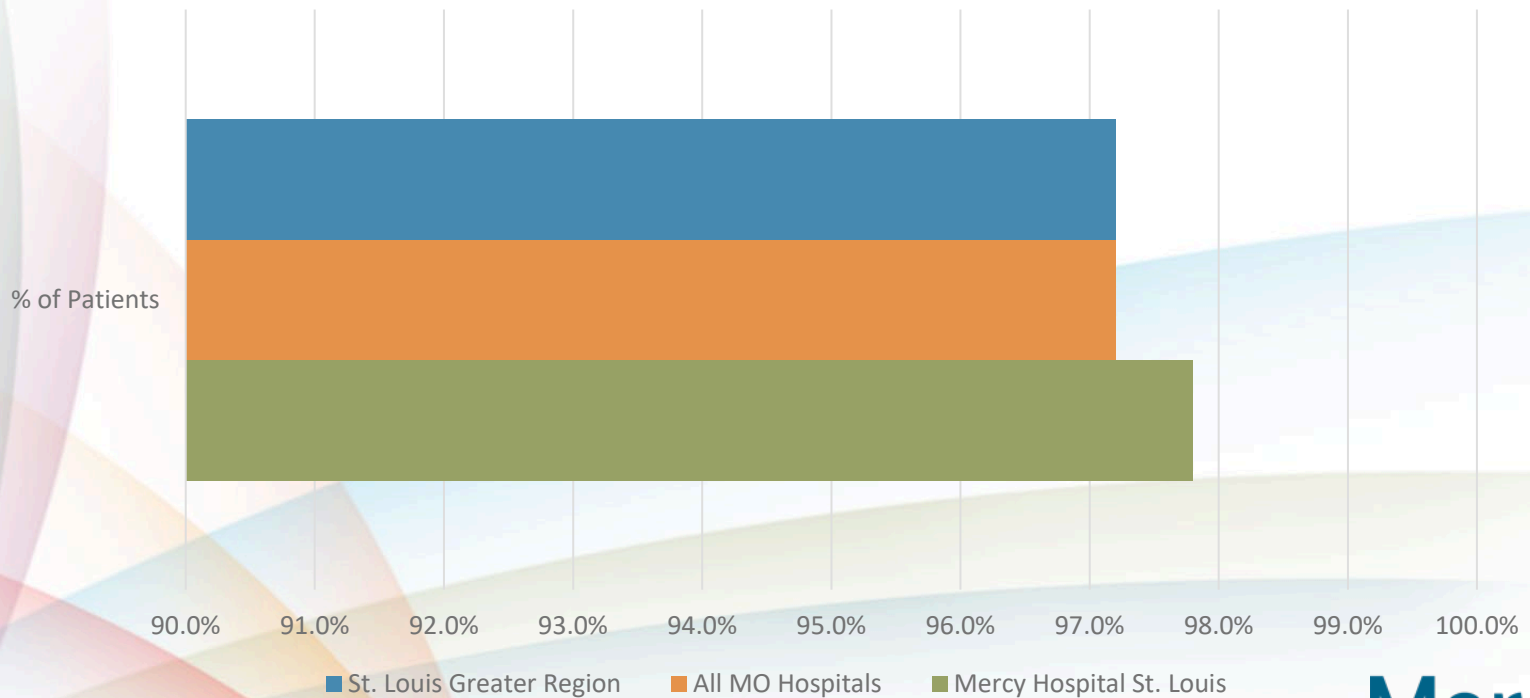
Calendar Year 2023 STK Measures

STK - 8

Ischemic or hemorrhagic stroke patients or their caregivers who were given educational materials during the hospital stay addressing all of the following: activation of emergency medical system, need for follow-up after discharge, medications prescribed at discharge, risk factors for stroke, and warning signs and symptoms of stroke.

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	357	365
All MO Hospitals	19581	5547	5705
St. Louis Greater Region	7766	2360	2427

STK - 8
CY 2023



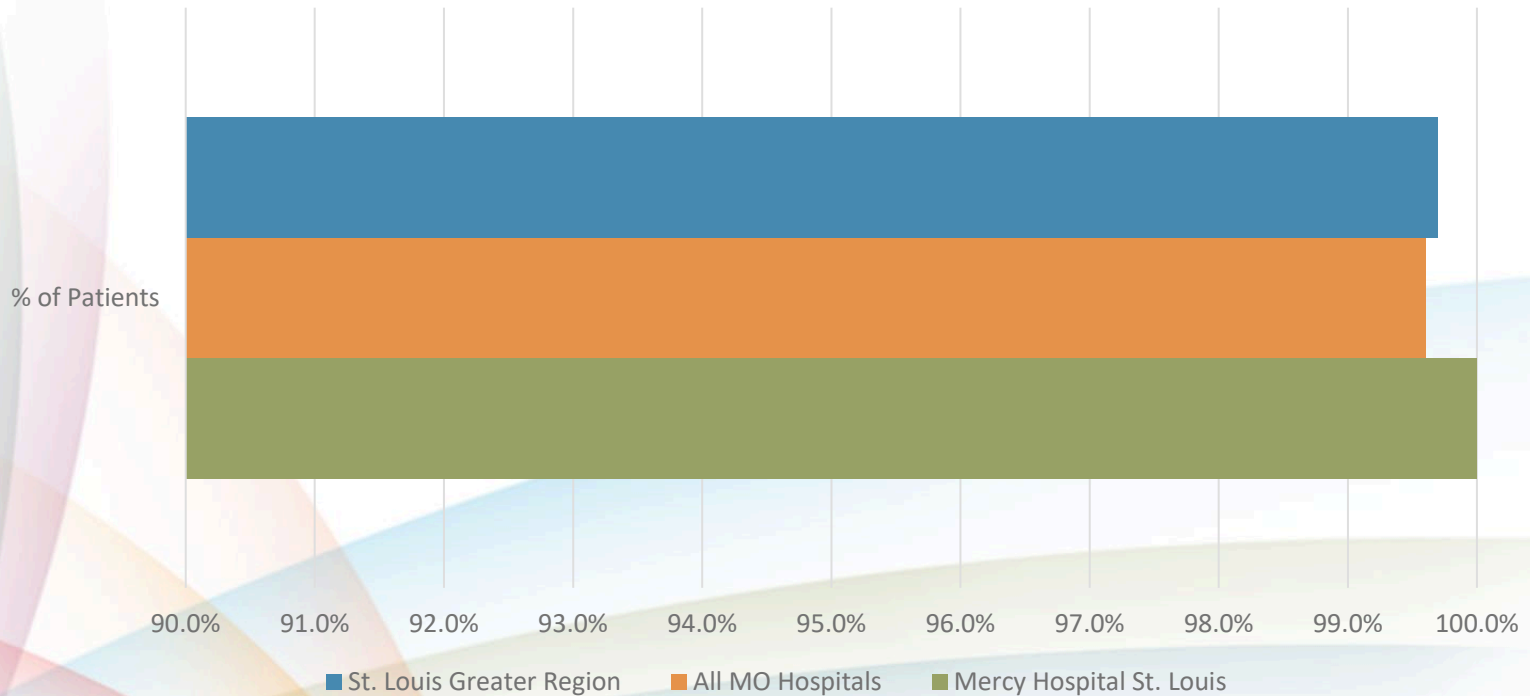
Calendar Year 2023 STK Measures

STK - 10

Ischemic or hemorrhagic stroke patients who were assessed for rehabilitation services.

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1013	641	641
All MO Hospitals	19581	10581	10626
St. Louis Greater Region	7766	4748	4761

STK - 10
CY 2023





Your life is our life's work.