

Mercy Hospital St. Louis

Joint Commission Thrombectomy-Capable Stroke Center

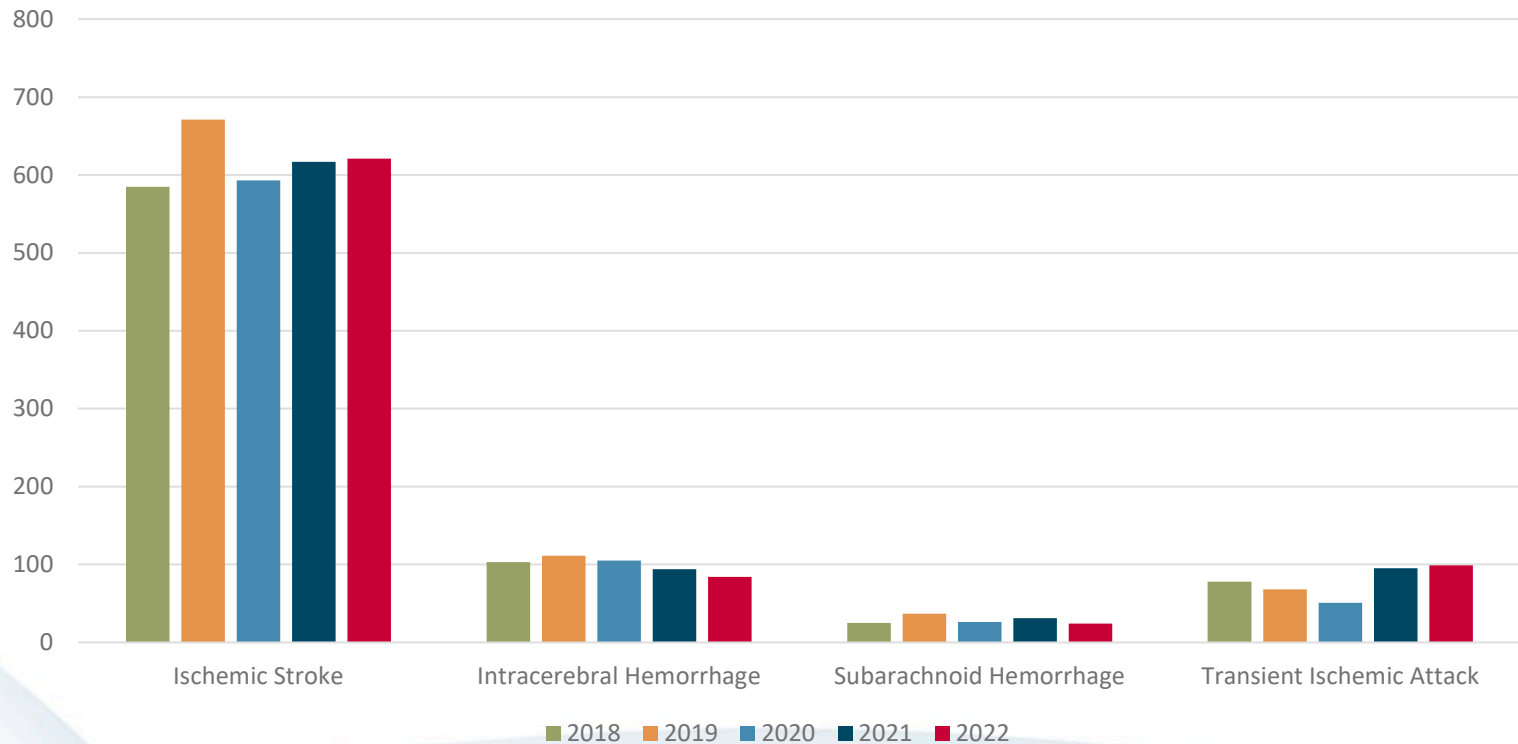
Stroke Center Metrics



Types of Stroke

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

Type of Stroke



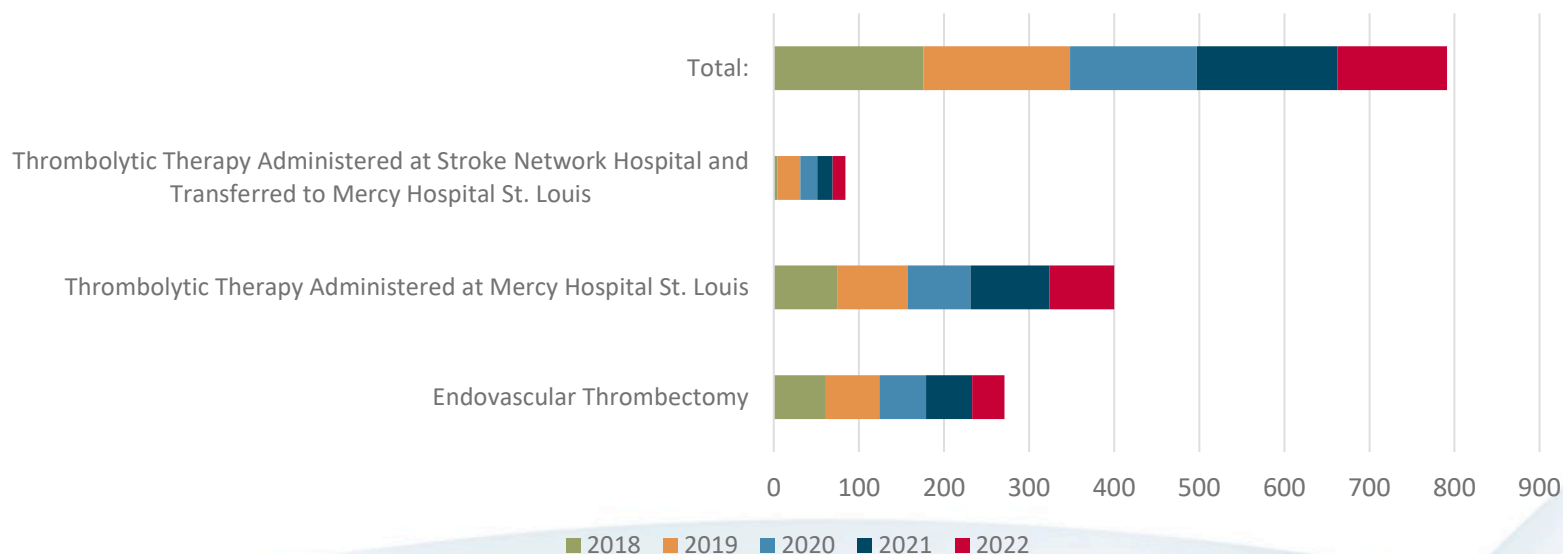
Ischemic Stroke Treatment

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
Endovascular Thrombectomy	61	63	55	54	38
Thrombolytic Therapy Administered at Mercy Hospital St. Louis	75	82	74	93	76
Thrombolytic Therapy Administered at Stroke Network Hospital and Transferred to Mercy Hospital St. Louis	4	27	20	18	15
Total:	176	172	149	165	129

Ischemic Stroke Treatment



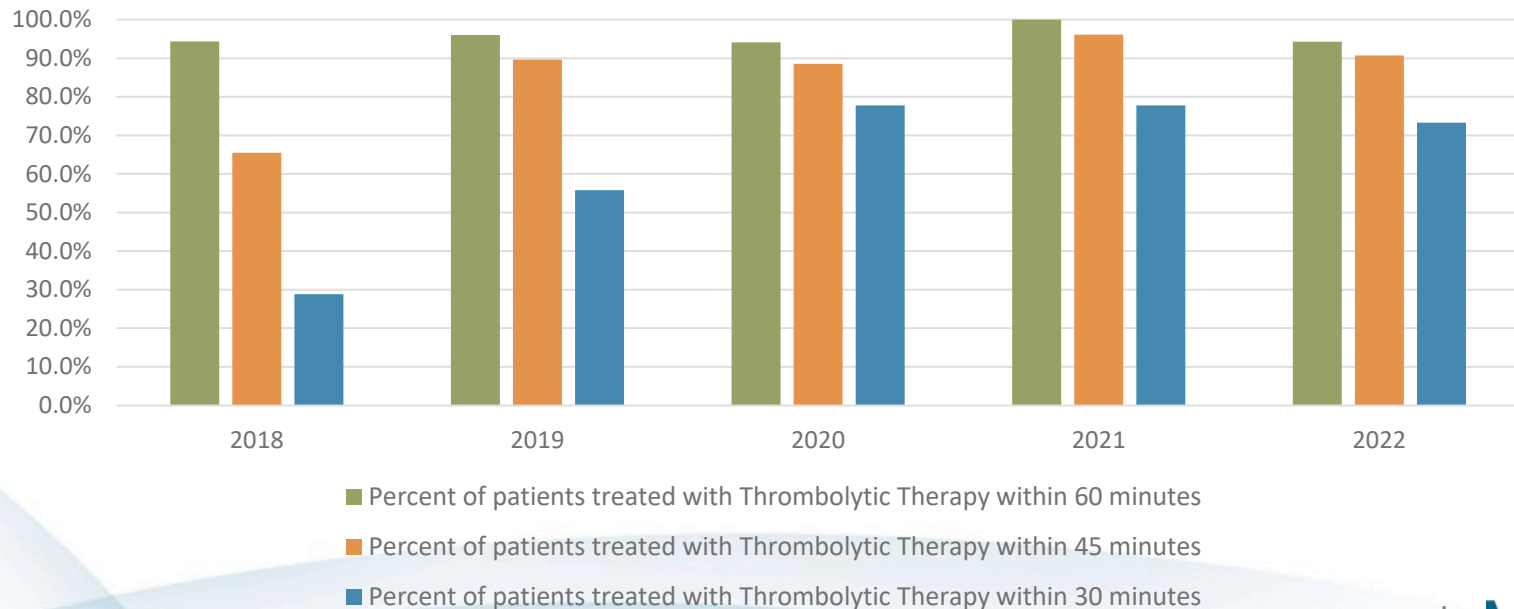
Ischemic Stroke Treatment

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
Percent of patients treated with Thrombolytic Therapy within 60 minutes	94.4%	96.0%	94.1%	100%	94.3%
Percent of patients treated with Thrombolytic Therapy within 45 minutes	65.5%	89.6%	88.6%	96.1%	90.7%
Percent of patients treated with Thrombolytic Therapy within 30 minutes	28.8%	55.8%	77.8%	77.8%	73.3%

Ischemic Stroke Treatment

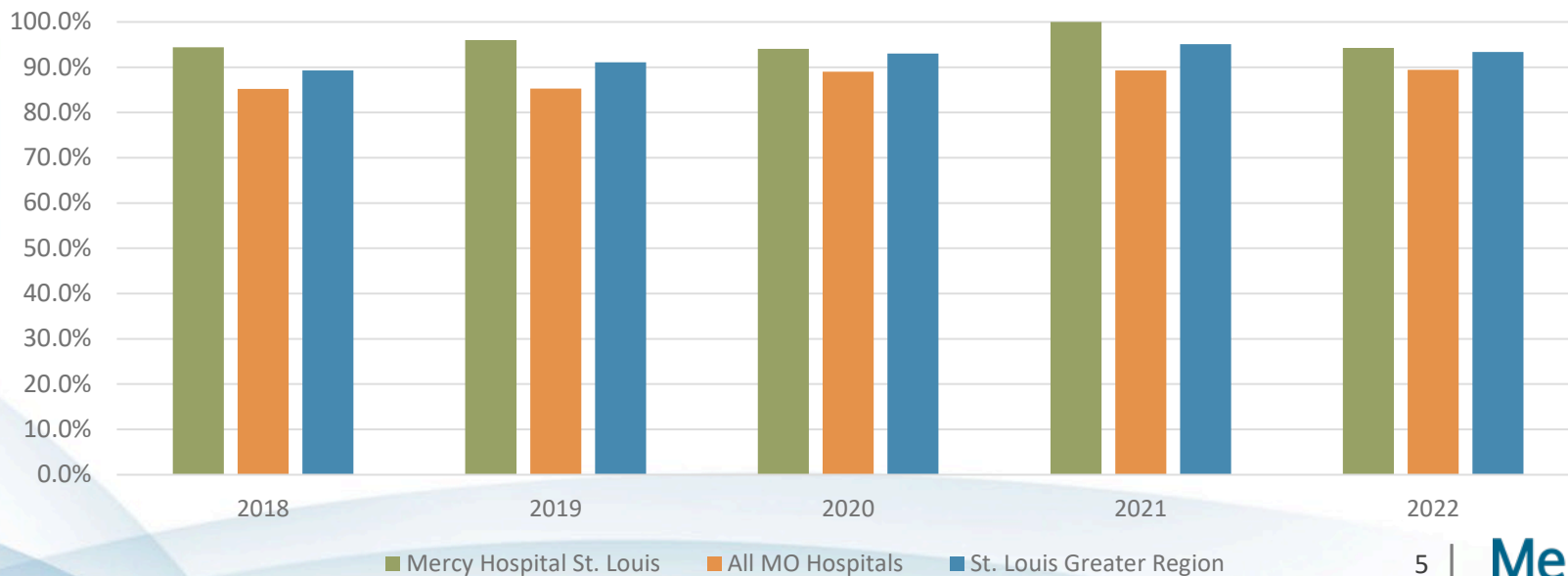
Less than 60, 45, & 30 minutes



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%
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%
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%

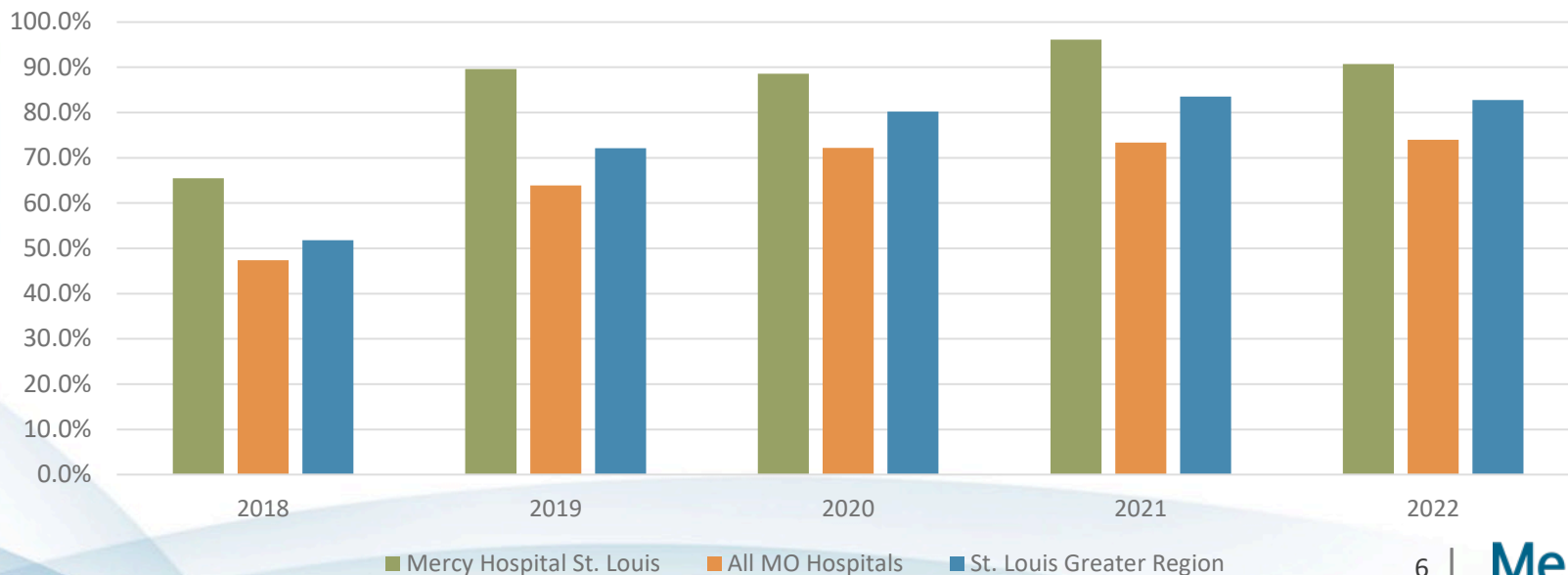
IV Thrombolytic Therapy < 60 minutes



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%
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%
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%

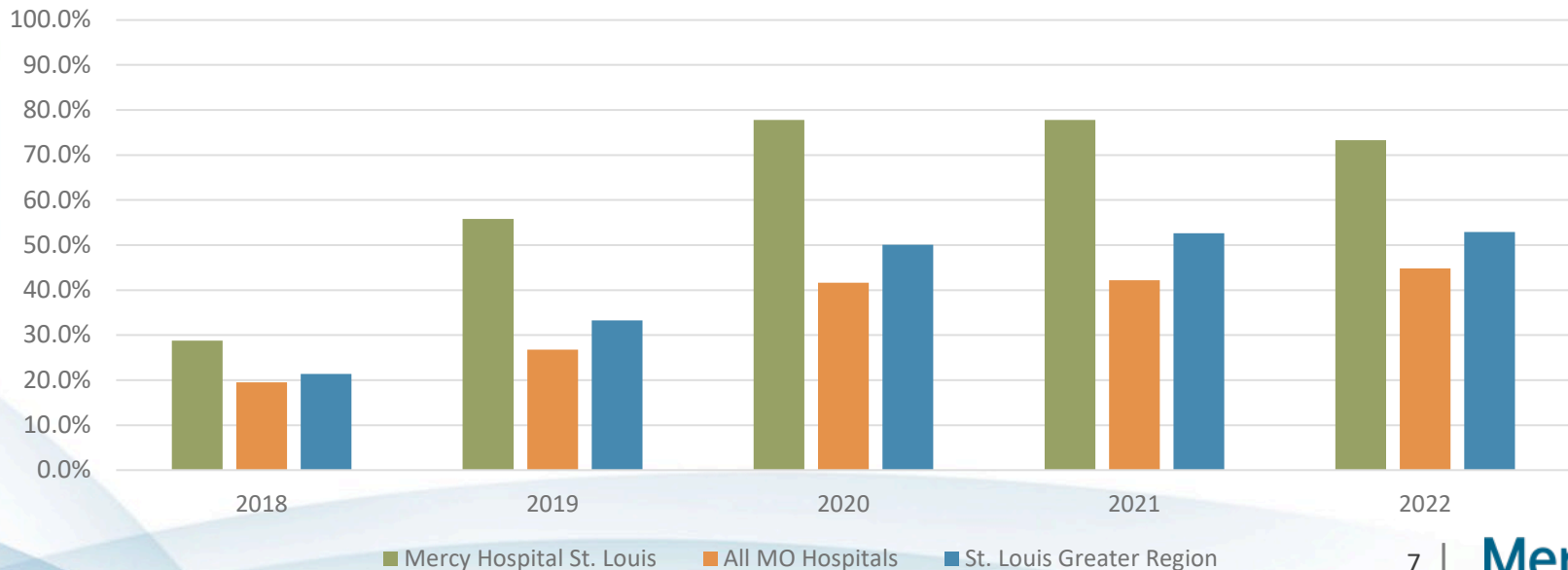
IV Thrombolytic Therapy < 45 minutes



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%
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%
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%

IV Thrombolytic Therapy < 30 minutes

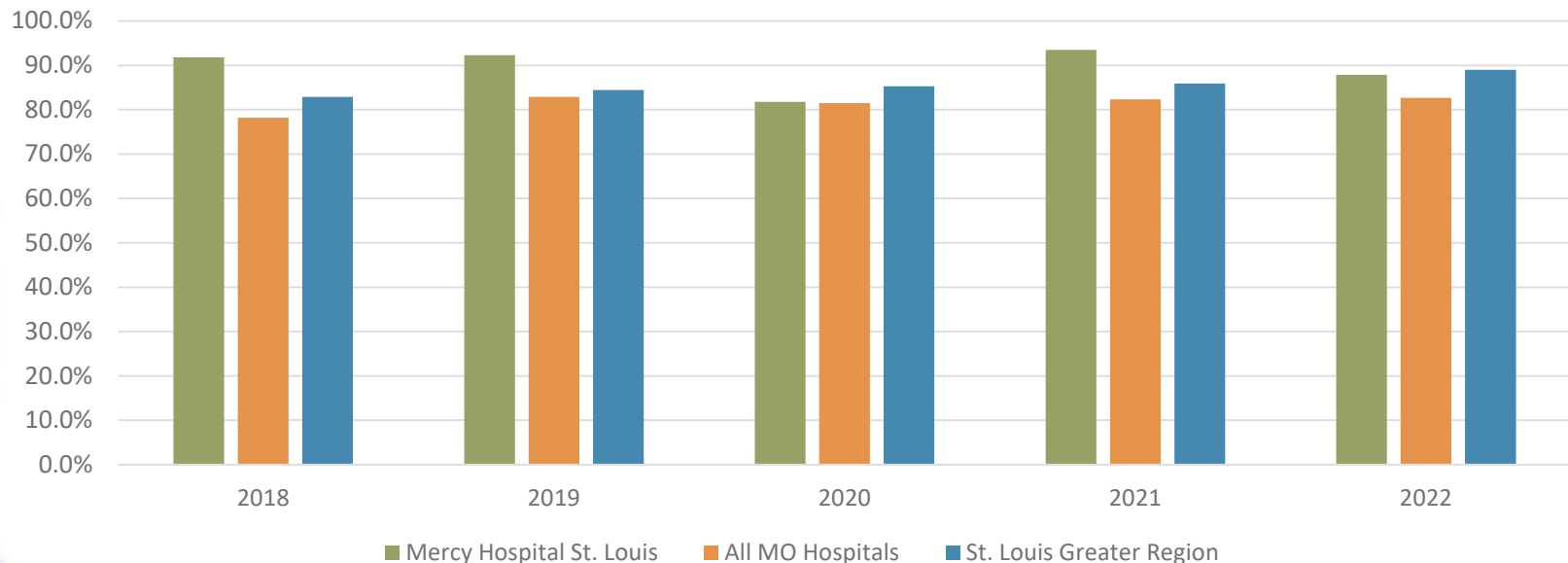


Ischemic Stroke Treatment Outcomes

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
Mercy Hospital St. Louis	91.8%	92.3%	81.8%	93.5%	87.9%
All Missouri Hospitals	78.2%	82.9%	81.5%	82.3%	82.7%
St. Louis Greater Region	82.9%	84.4%	85.3%	85.9%	89.0%

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

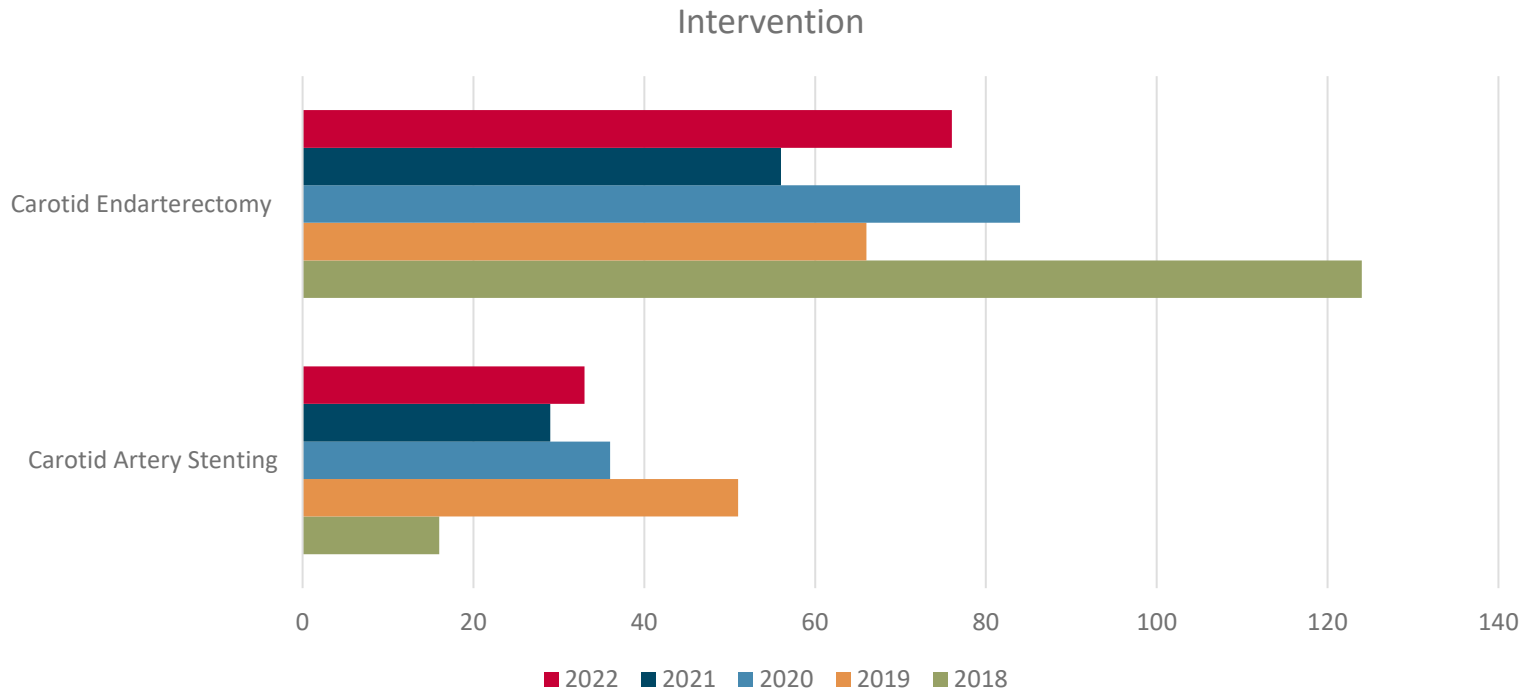


**TICI score = Thrombolysis in Cerebral Infarction in Reperfusion Grade

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
Carotid Artery Stenting	16	51	36	29	33
Carotid Endarterectomy	124	66	84	56	76
Total:	140	117	120	85	109

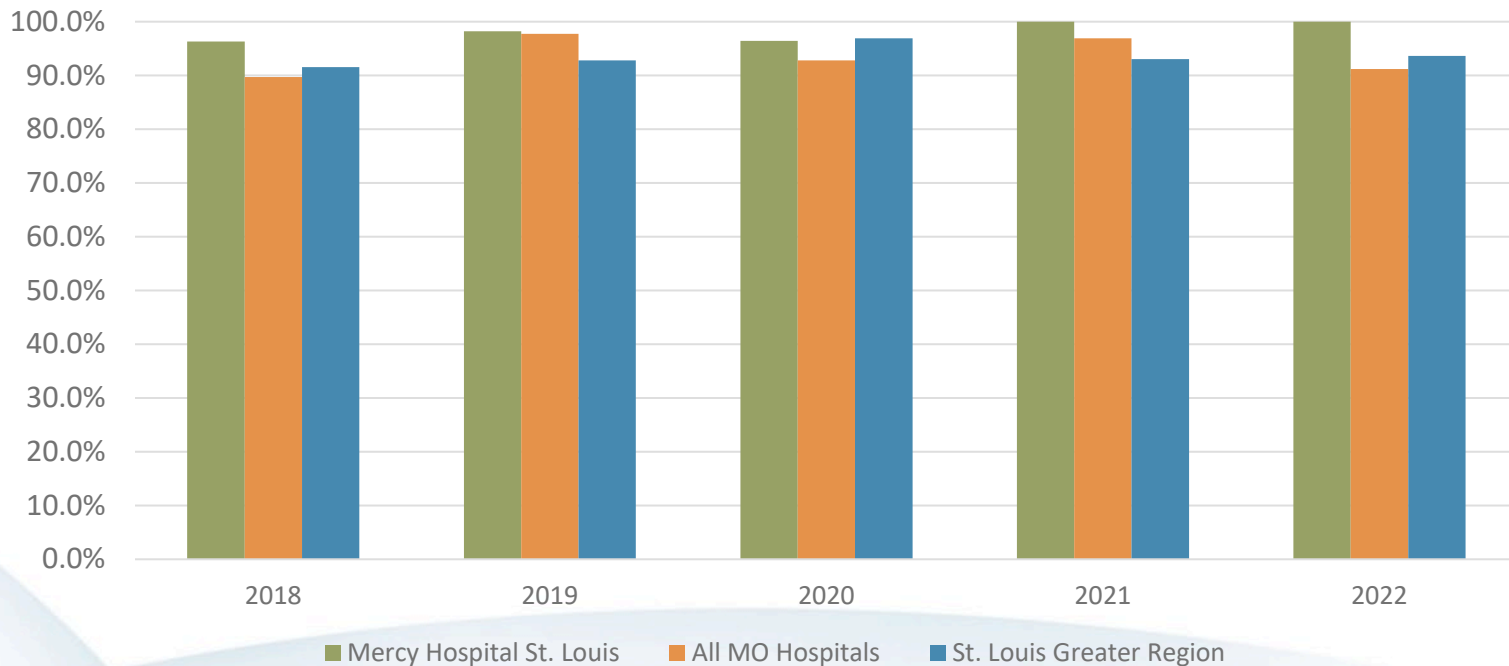


IV Thrombolytic Arrive by 3.5 Hour, Treat by 4.5 Hour

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
Mercy Hospital St. Louis	96.3%	98.2%	96.4%	100.0%	100.0%
All MO Hospitals	89.7%	87.7%	93.5%	93.8%	91.2%
St. Louis Greater Region	91.5%	92.8%	96.9%	93.0%	93.6%

IV Thrombolytic
Arrive by 3.5 hours
Treat by 4.5 hours

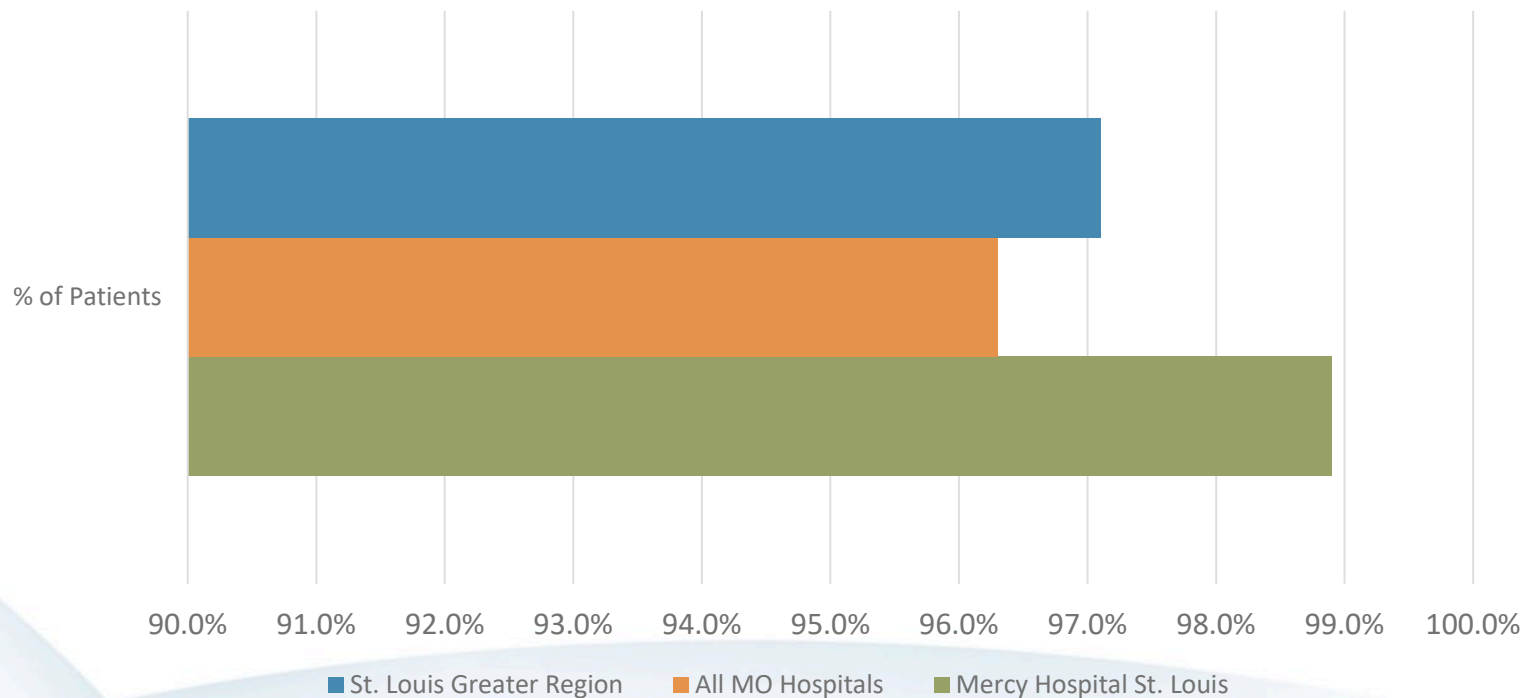


Calendar Year 2022 Quality Measures AHASTR10 NIHSS Reported

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	629	619	626
All MO Hospitals	13176	11382	11815
St. Louis Greater Region	5498	5169	5321

AHASTR10: NIHSS Reported
CY 2022



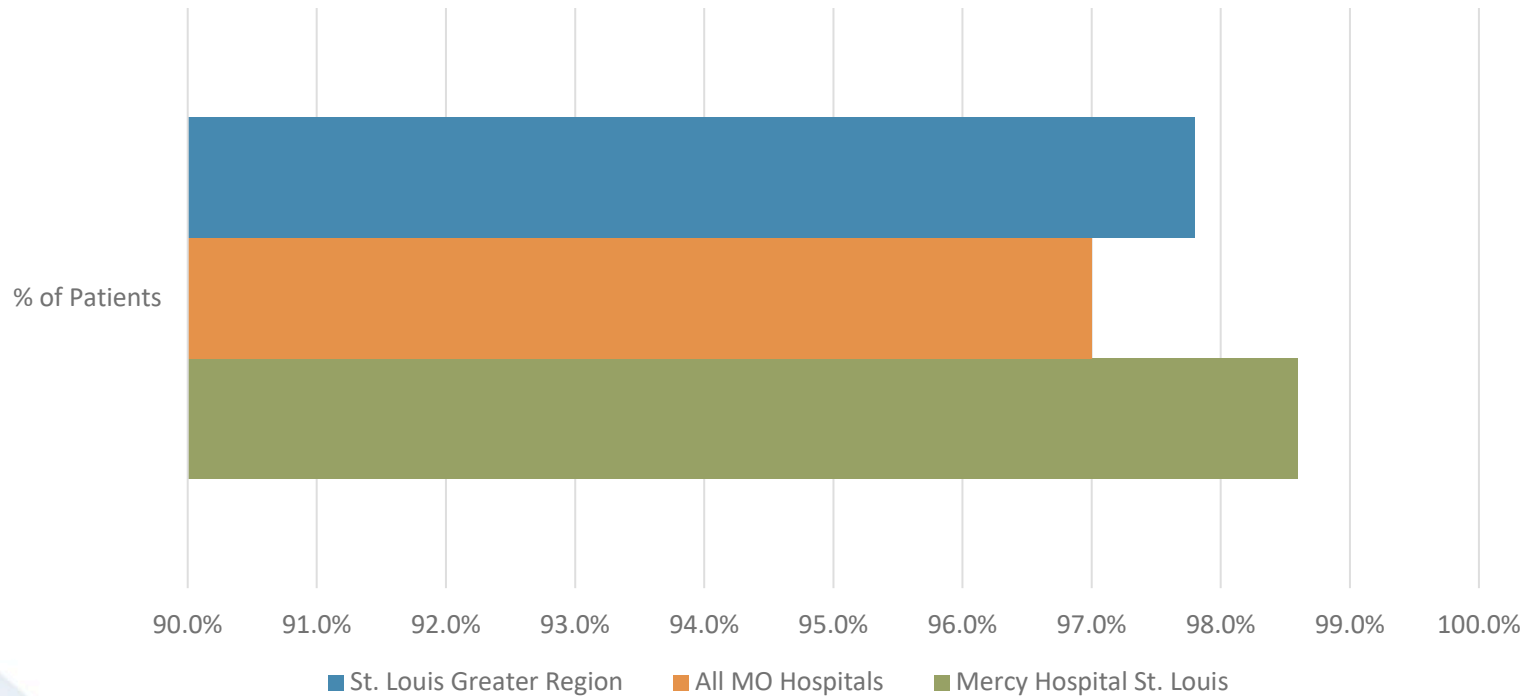
Calendar Year 2022 STK Measures

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	838	545	553
All MO Hospitals	17804	8934	9210
St. Louis Greater Region	7417	4630	4732

STK - 1
CY 2022



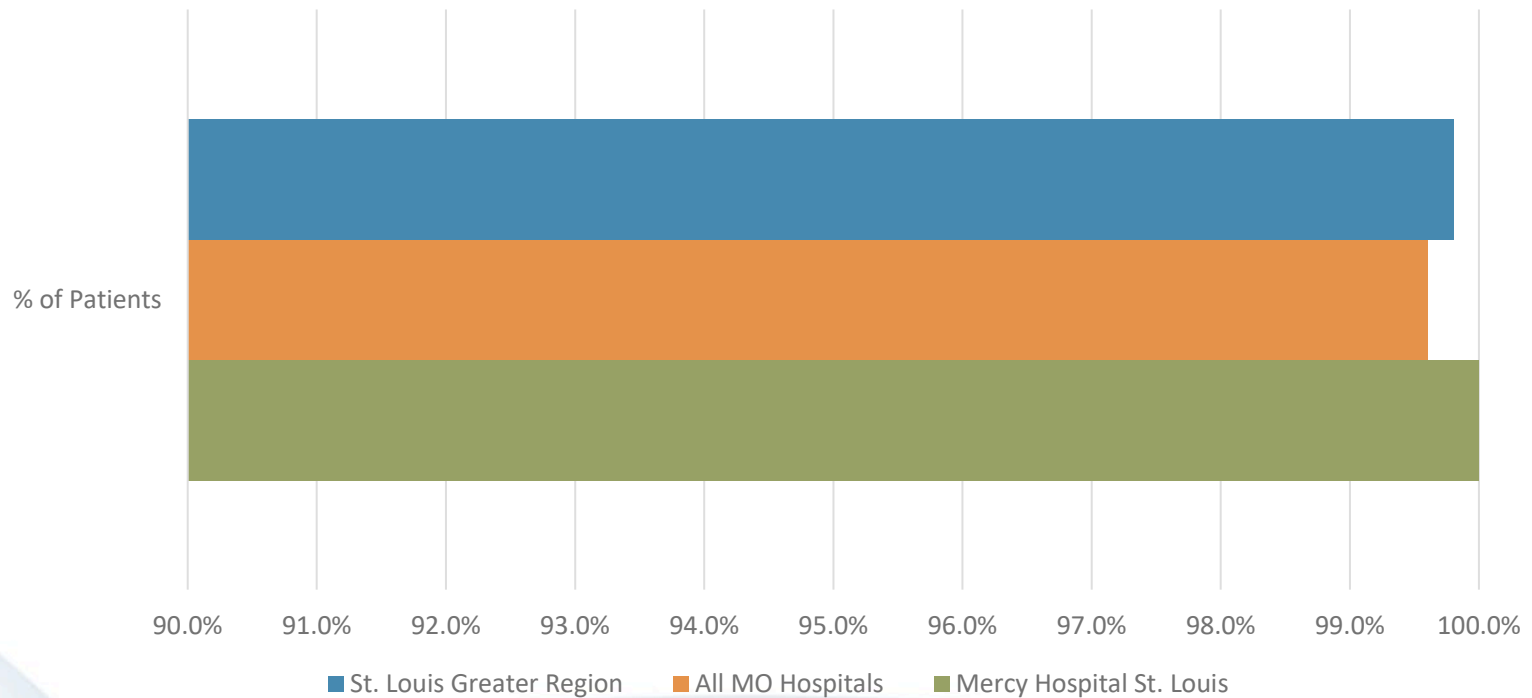
Calendar Year 2022 STK Measures

STK - 2

Ischemic stroke patients prescribed antithrombotic therapy at hospital discharge

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	838	501	501
All MO Hospitals	17804	7764	7794
St. Louis Greater Region	7417	3799	3806

STK - 2
CY 2022



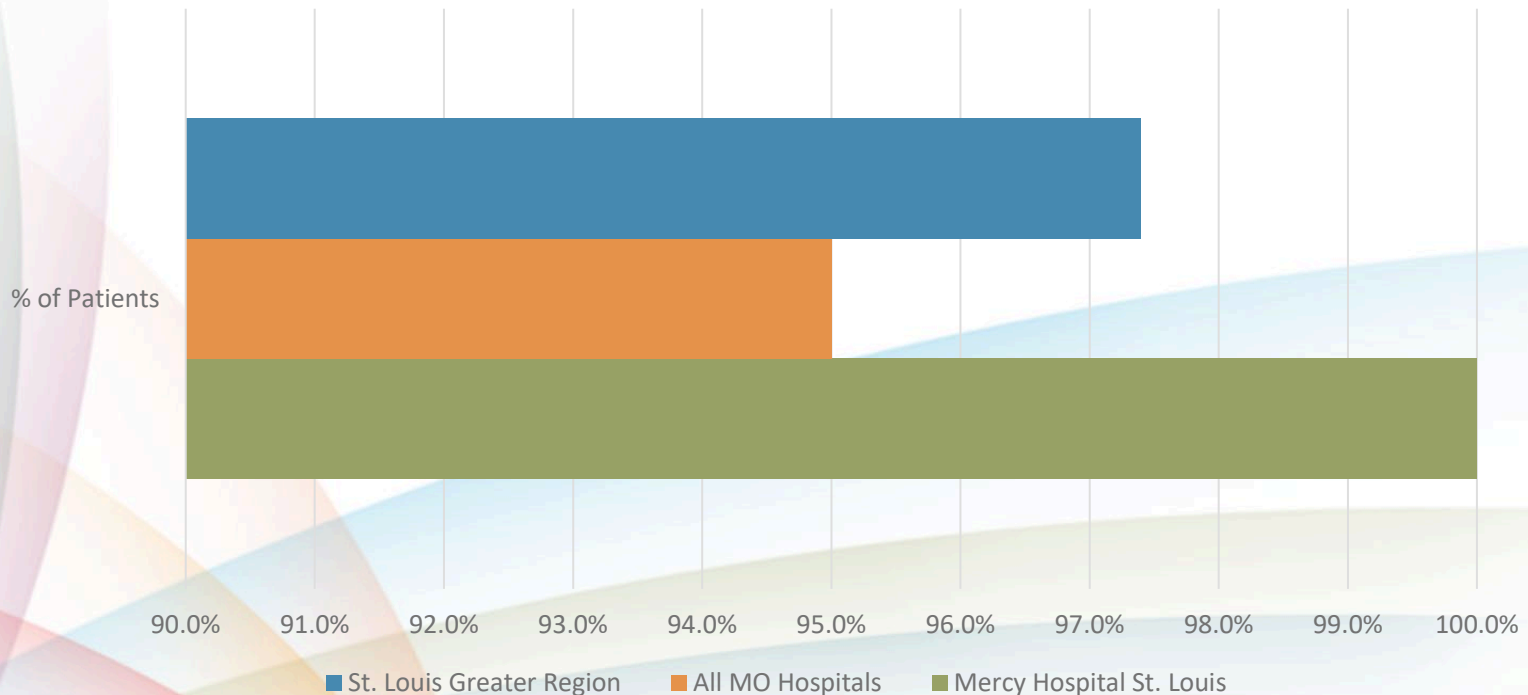
Calendar Year 2022 STK Measures

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	838	40	40
All MO Hospitals	17804	678	714
St. Louis Greater Region	7417	342	351

STK - 4
CY 2022



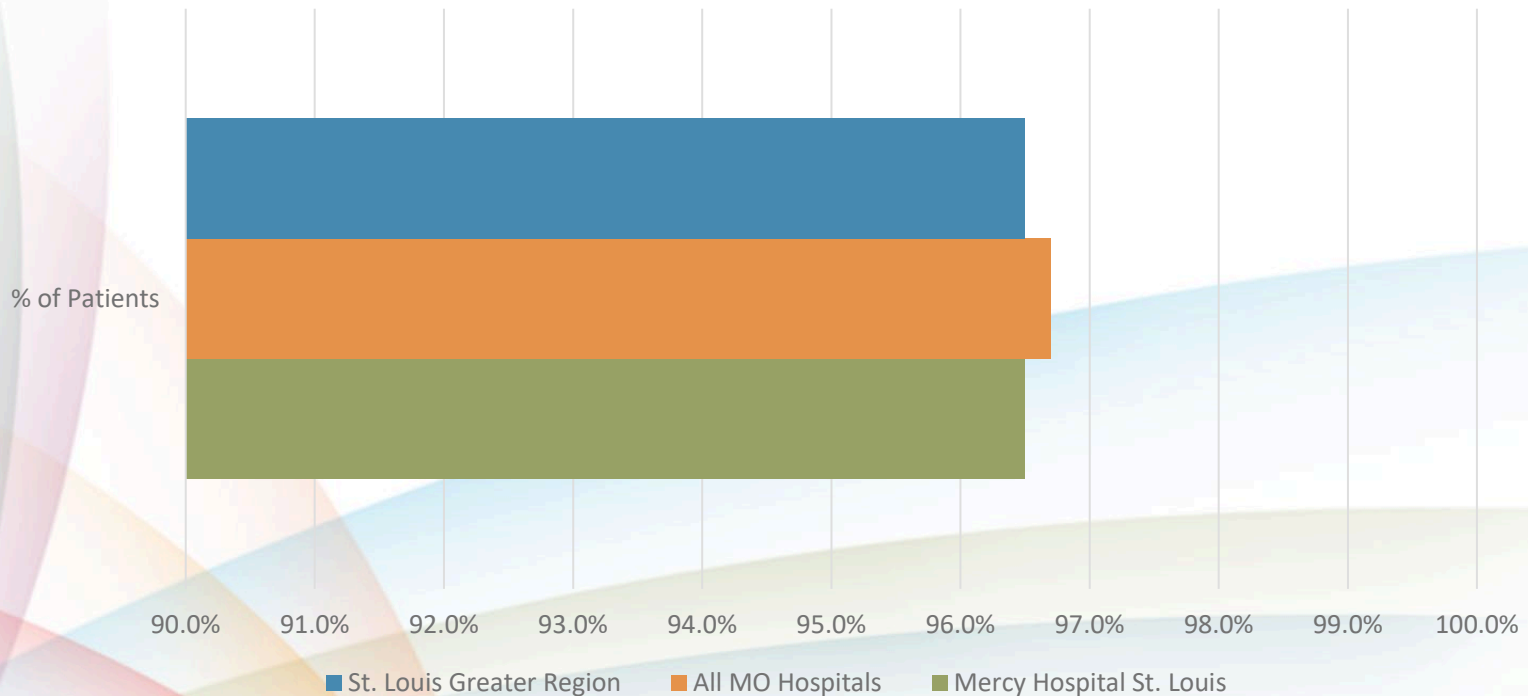
Calendar Year 2022 STK Measures

STK - 5

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	838	360	373
All MO Hospitals	17802	6080	6288
St. Louis Greater Region	7417	2880	2985

STK - 5
CY 2022



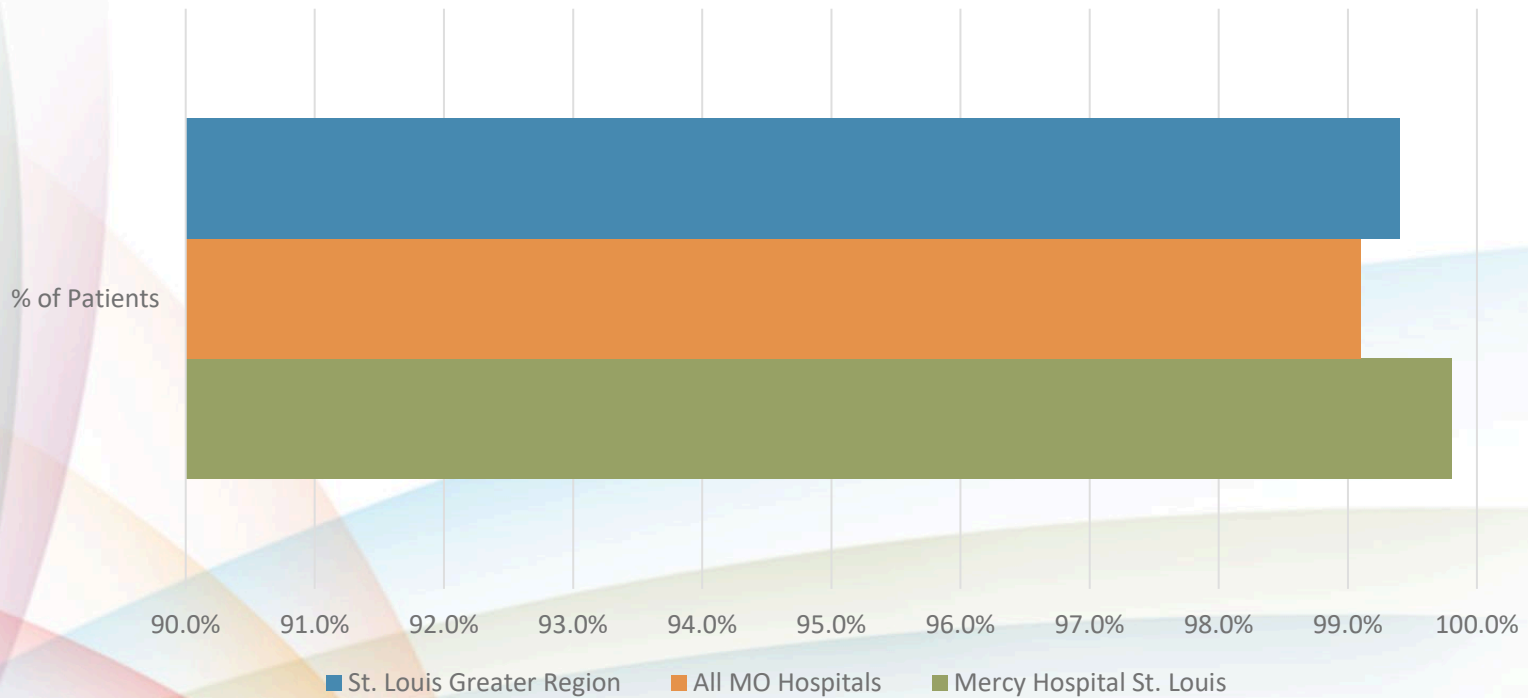
Calendar Year 2022 STK Measures

STK - 6

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	838	476	477
All MO Hospitals	17804	7472	7539
St. Louis Greater Region	7417	3670	3694

STK - 6
CY 2022



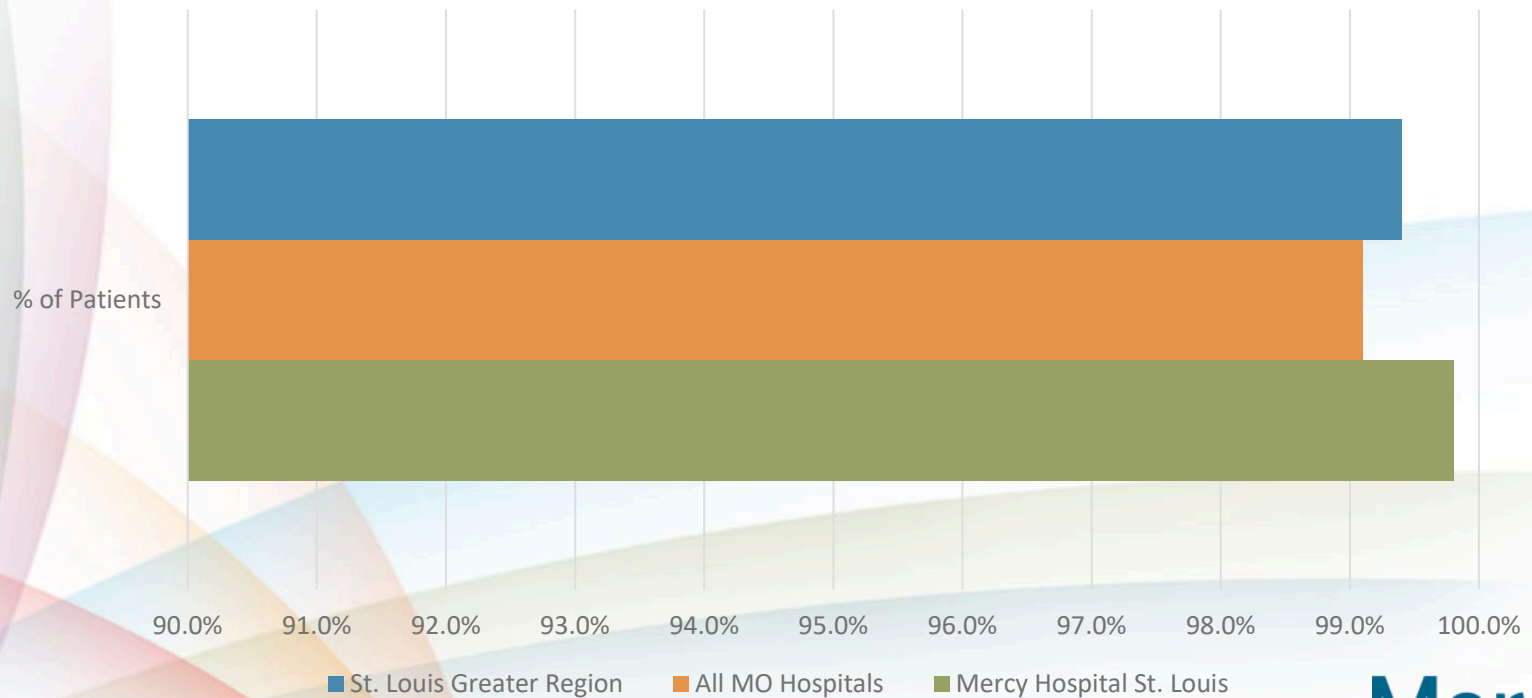
Calendar Year 2022 STK Measures

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	838	303	310
All MO Hospitals	17804	4822	4994
St. Louis Greater Region	7417	2328	2399

STK - 8
CY 2022



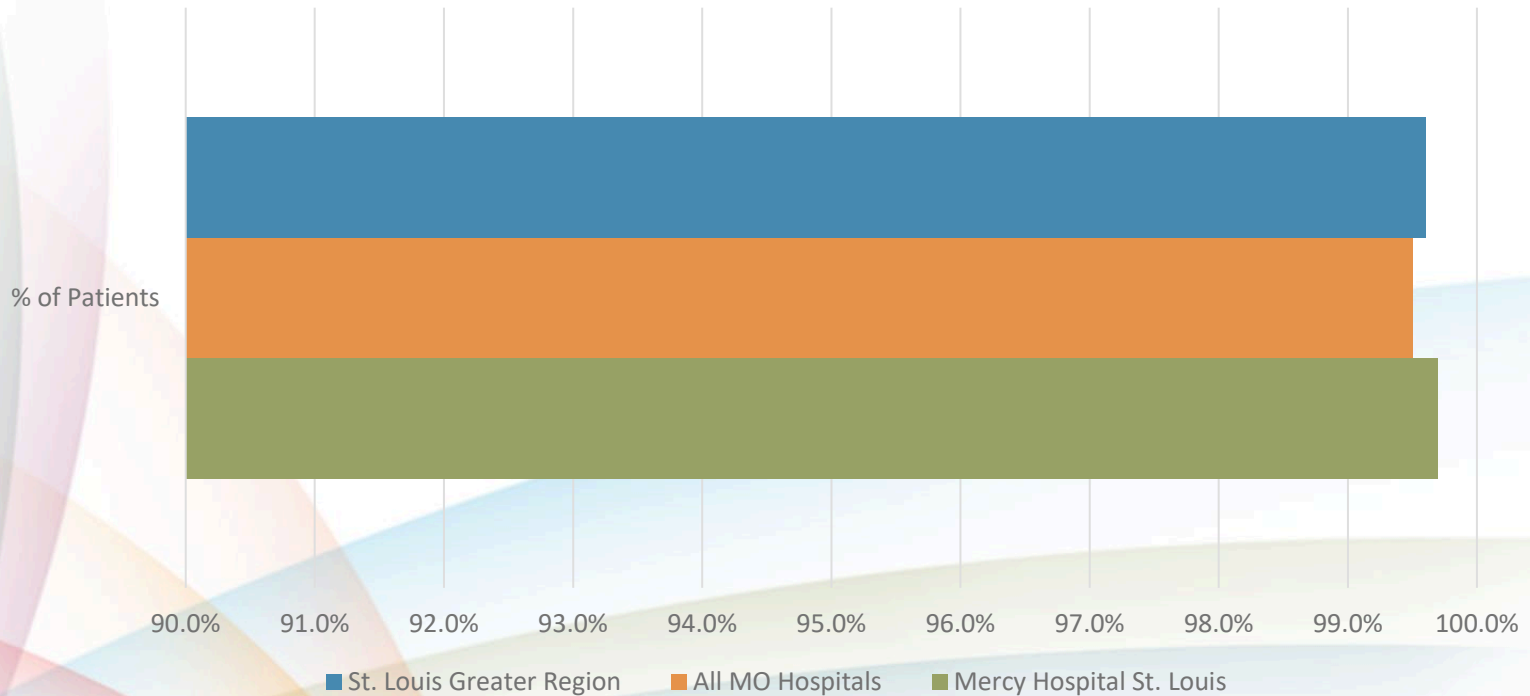
Calendar Year 2022 STK Measures

STK - 10

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	838	570	572
All MO Hospitals	17804	9359	9402
St. Louis Greater Region	7417	4747	4764

STK - 10
CY 2022





Your life is our life's work.