

Mercy Hospital St. Louis

Joint Commission Thrombectomy-Capable Stroke Center

Stroke Center Metrics

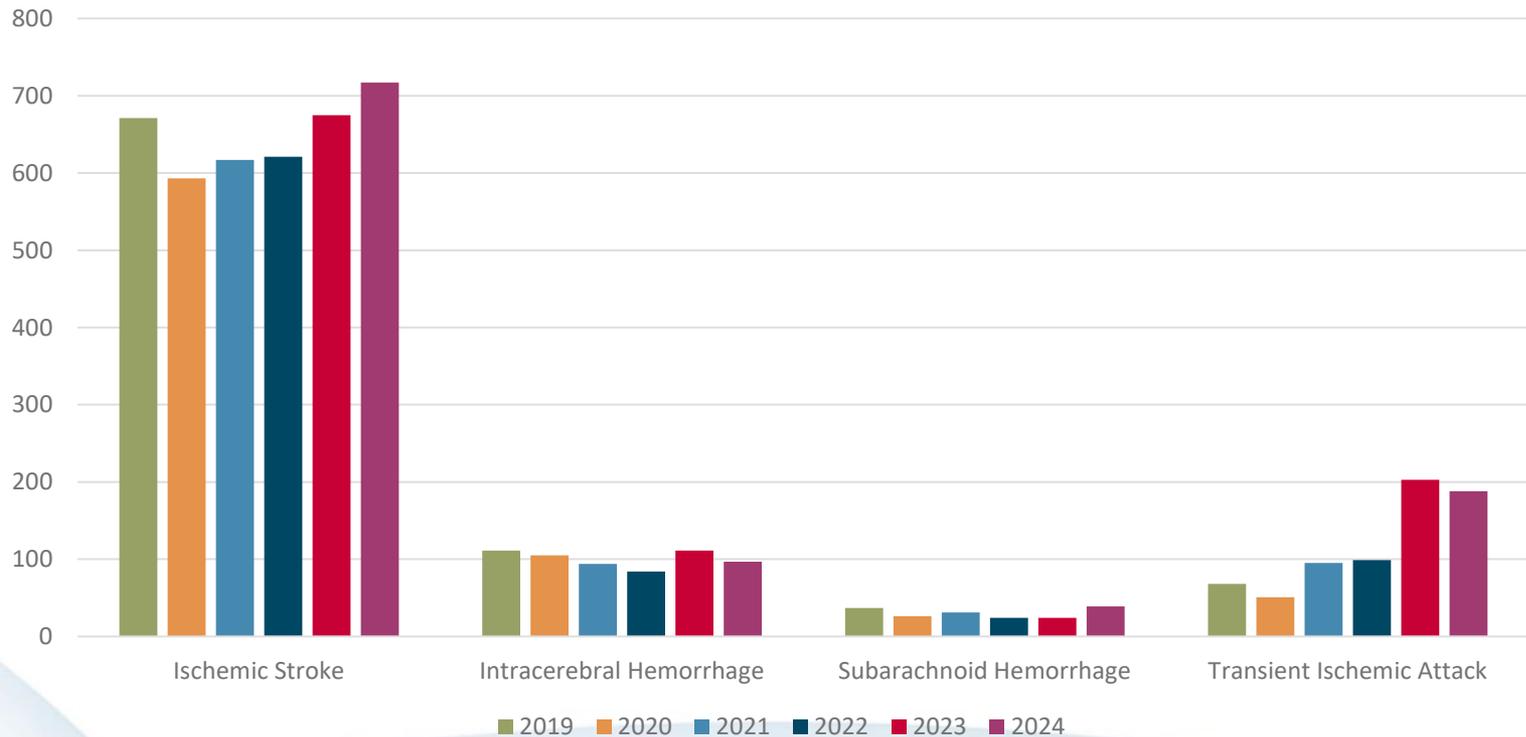


Your life is our life's work.

Types of Stroke

Types of Stroke (*Patients with Primary Diagnosis)	2019	2020	2021	2022	2023	2024
Ischemic Stroke	671	593	617	621	675	717
Intracerebral Hemorrhage	111	105	94	84	111	97
Subarachnoid Hemorrhage	37	26	31	24	24	39
Transient Ischemic Attack	68	51	95	99	203	188
Total:	887	775	837	828	1,013	1,041

Type of Stroke

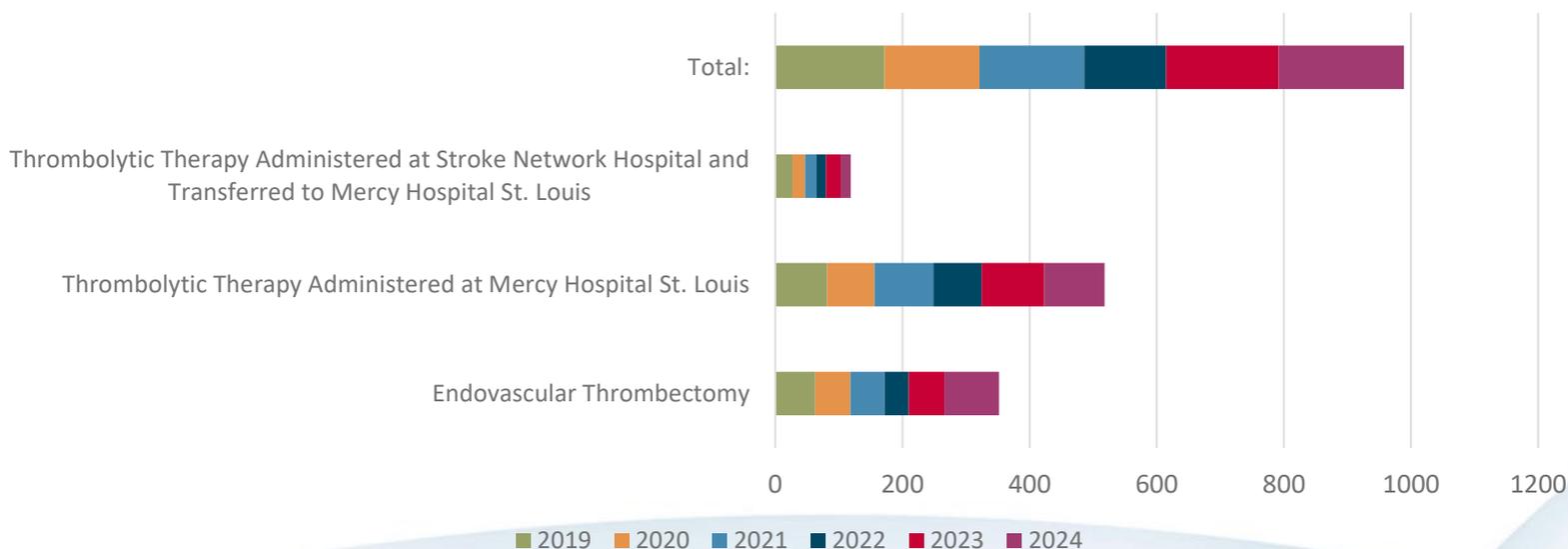


Ischemic Stroke Treatment

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

Ischemic Stroke Treatment	2019	2020	2021	2022	2023	2024
Endovascular Thrombectomy	63	55	54	38	56	86
Thrombolytic Therapy Administered at Mercy Hospital St. Louis	82	74	93	76	98	95
Thrombolytic Therapy Administered at Stroke Network Hospital and Transferred to Mercy Hospital St. Louis	27	20	18	15	23	16
Total:	172	149	165	129	177	197

Ischemic Stroke Treatment



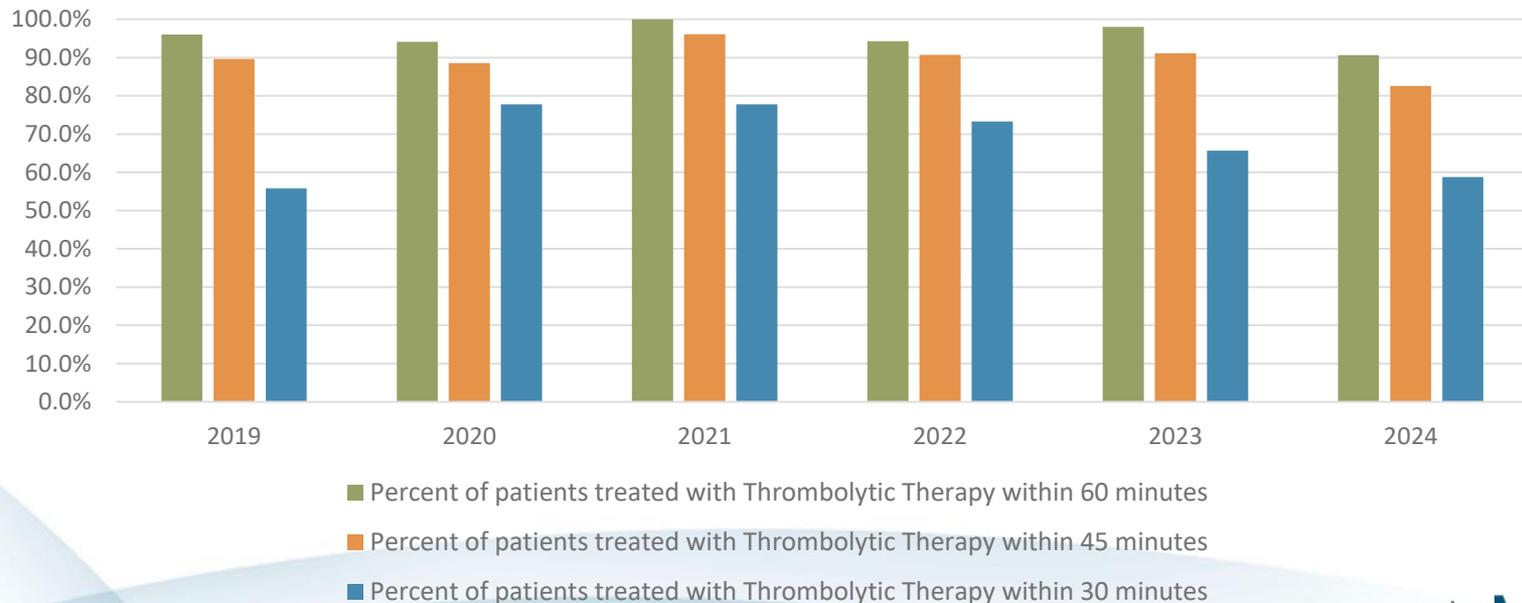
Ischemic Stroke Treatment

Percent of acute ischemic stroke patients receiving thrombolytic 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.

	2019	2020	2021	2022	2023	2024
Percent of patients treated with Thrombolytic Therapy within 60 minutes	96.0%	94.1%	100%	94.3%	98.0%	90.6%
Percent of patients treated with Thrombolytic Therapy within 45 minutes	89.6%	88.6%	96.1%	90.7%	91.1%	82.6%
Percent of patients treated with Thrombolytic Therapy within 30 minutes	55.8%	77.8%	77.8%	73.3%	65.7%	58.8%

Ischemic Stroke Treatment

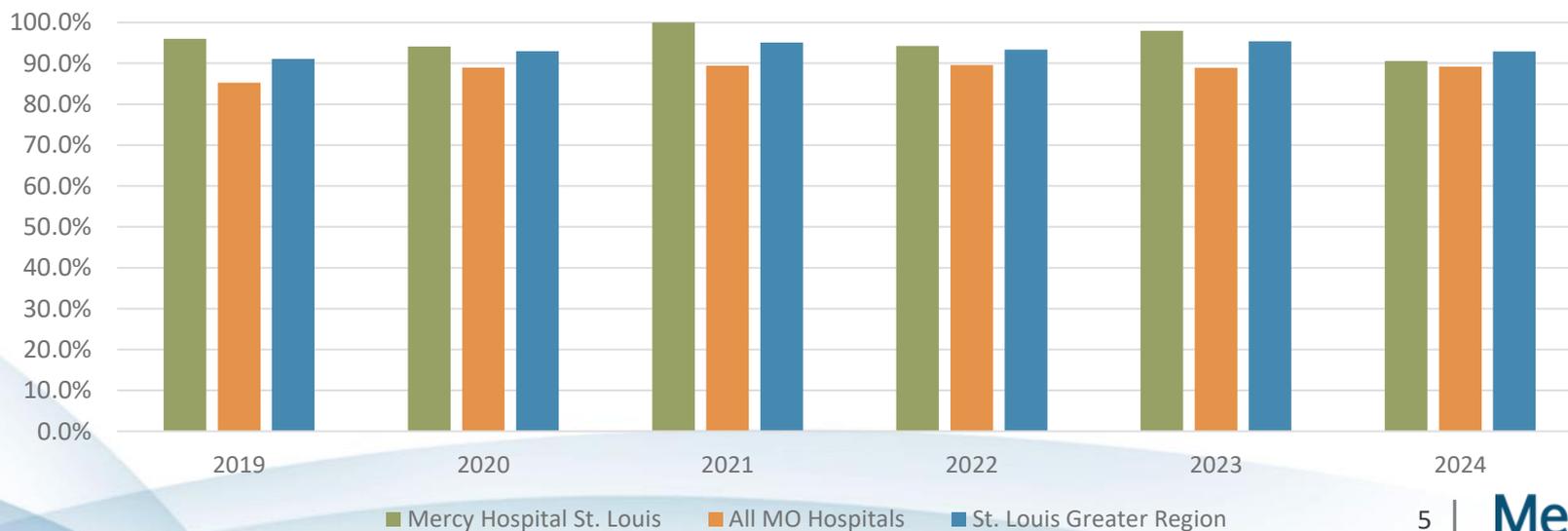
Less than 60, 45, & 30 minutes



Intravenous Thrombolytic Therapy - 60 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2019	595	48	50	96.0%
	2020	583	48	51	94.1%
	2021	617	57	57	100.0%
	2022	621	50	53	94.3%
	2023	658	48	49	98.0%
	2024	711	48	53	90.6%
Missouri	2019	13141	1093	1281	85.3%
	2020	12683	1116	1254	89.0%
	2021	12925	1147	1283	89.4%
	2022	13009	1073	1198	89.6%
	2023	13951	1212	1363	88.9%
	2024	14636	1179	1322	89.2%
St. Louis Greater Region	2019	5845	460	505	91.1%
	2020	5461	502	540	93.0%
	2021	5613	461	485	95.1%
	2022	5460	455	487	93.4%
	2023	5478	454	476	95.4%
	2024	5827	430	463	92.9%

IV Thrombolytic Therapy < 60 minutes



Intravenous Thrombolytic Therapy - 45 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2019	595	43	48	89.6%
	2020	583	39	44	88.6%
	2021	617	49	51	96.1%
	2022	621	39	43	90.7%
	2023	658	41	45	91.1%
	2024	711	38	46	82.6%
Missouri	2019	13141	791	1238	63.9%
	2020	12683	829	1148	72.2%
	2021	12925	853	1160	73.5%
	2022	13009	801	1080	74.2%
	2023	13951	890	1224	72.7%
	2024	14636	858	1190	72.1%
St. Louis Greater Region	2019	5845	347	481	72.1%
	2020	5461	393	490	80.2%
	2021	5613	369	442	83.5%
	2022	5460	355	429	82.8%
	2023	5478	339	434	78.1%
	2024	5827	331	422	78.4%

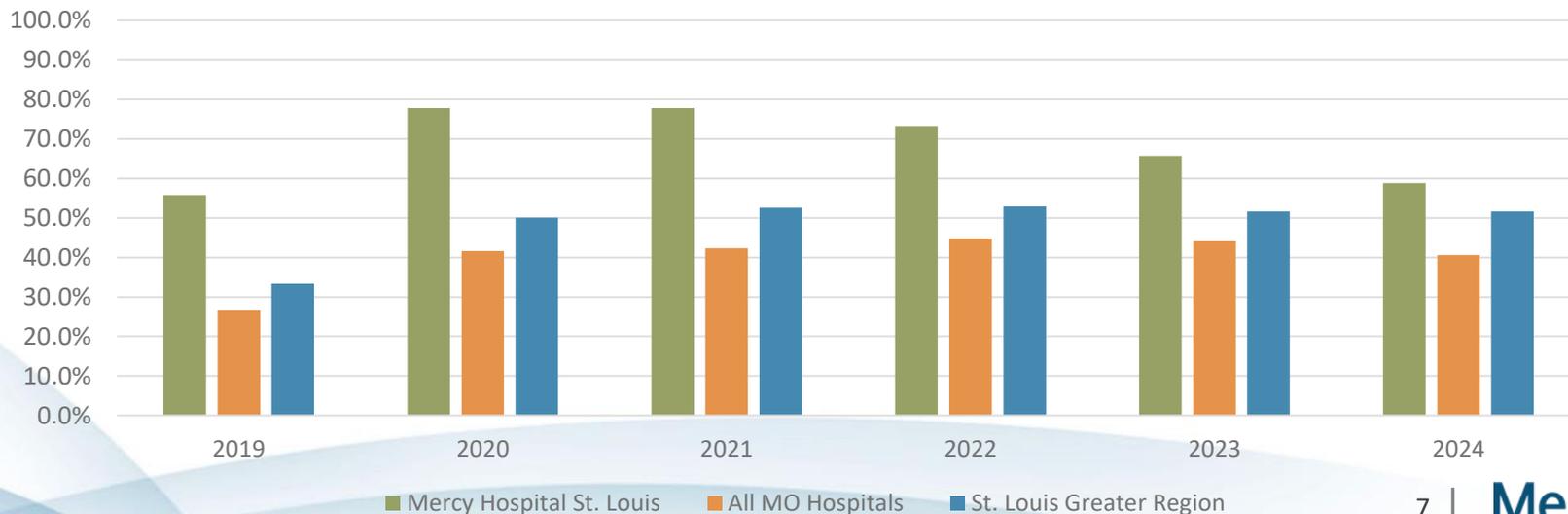
IV Thrombolytic Therapy < 45 minutes



Intravenous Thrombolytic Therapy - 30 Minutes

Benchmark Group	Time Period	Total Patients	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2019	595	24	43	55.8%
	2020	583	28	36	77.8%
	2021	617	28	36	77.8%
	2022	621	22	30	73.3%
	2023	658	23	35	65.7%
	2024	711	20	34	58.8%
Missouri	2019	13141	331	1233	26.8%
	2020	12683	417	1003	41.6%
	2021	12925	419	991	42.3%
	2022	13009	422	942	44.8%
	2023	13951	444	1006	44.1%
	2024	14636	401	987	40.6%
St. Louis Greater Region	2019	5845	158	475	33.3%
	2020	5461	205	409	50.1%
	2021	5613	185	352	52.6%
	2022	5460	190	359	52.9%
	2023	5478	195	378	51.6%
	2024	5827	181	351	51.6%

IV Thrombolytic Therapy < 30 minutes

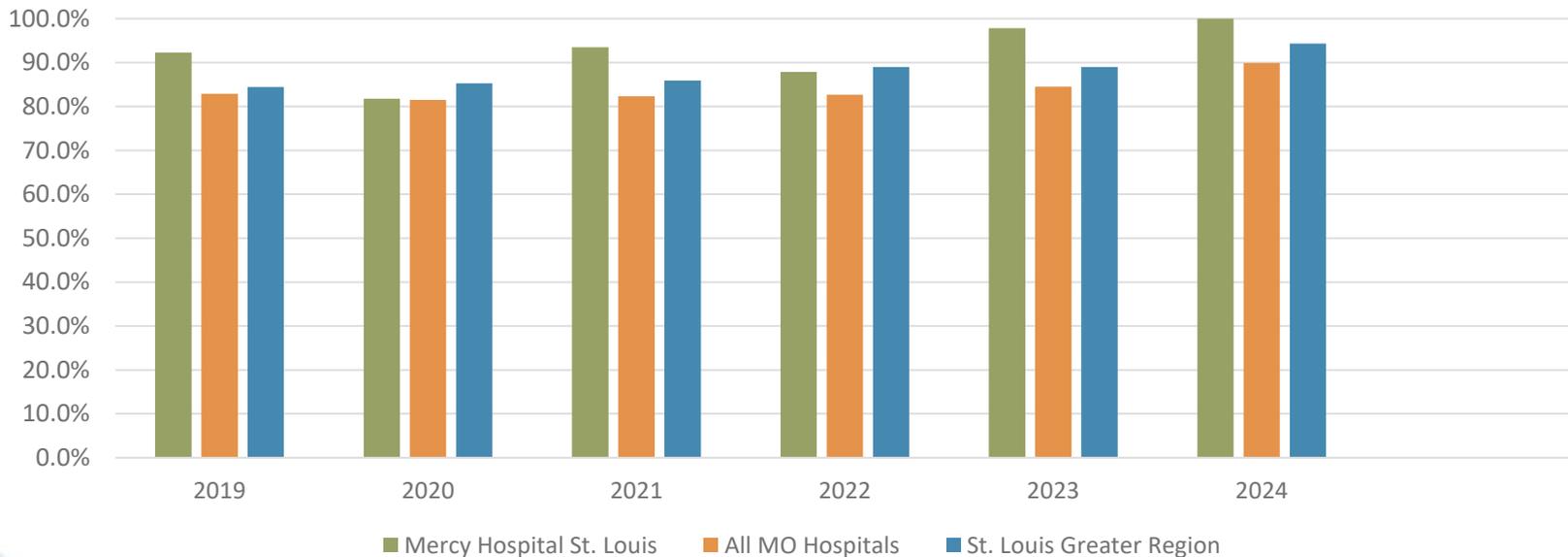


Ischemic Stroke Treatment Outcomes

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	2019	2020	2021	2022	2023	2024
Mercy Hospital St. Louis	92.3%	81.8%	93.5%	87.9%	97.8%	100%
All Missouri Hospitals	82.9%	81.5%	82.3%	82.7%	84.5%	89.9%
St. Louis Greater Region	84.4%	85.3%	85.9%	89.0%	89.0%	94.3%

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

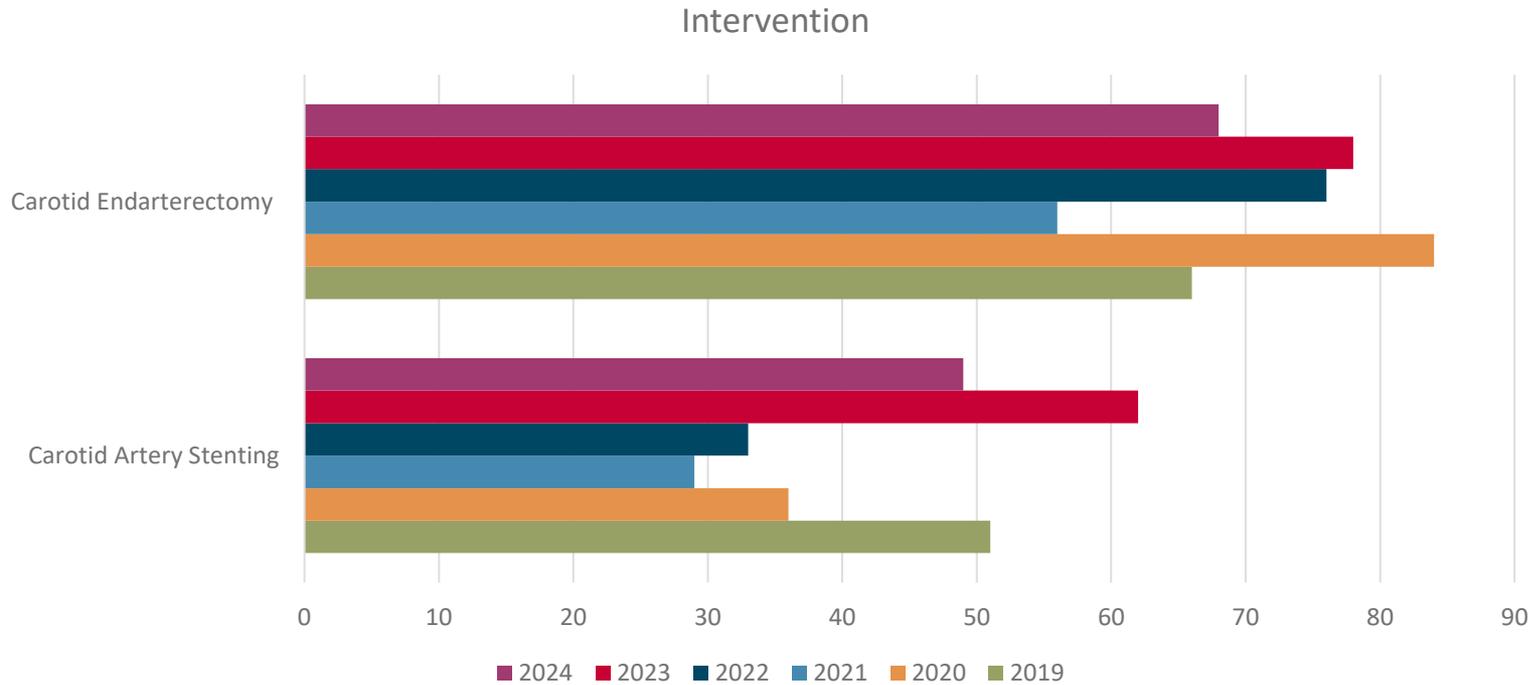


**TICI score = Thrombolysis in Cerebral Infarction in Reperfusion Grade

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	2019	2020	2021	2022	2023	2024
Carotid Artery Stenting	51	36	29	33	62	49
Carotid Endarterectomy	66	84	56	76	78	68
Total:	117	120	85	109	140	117

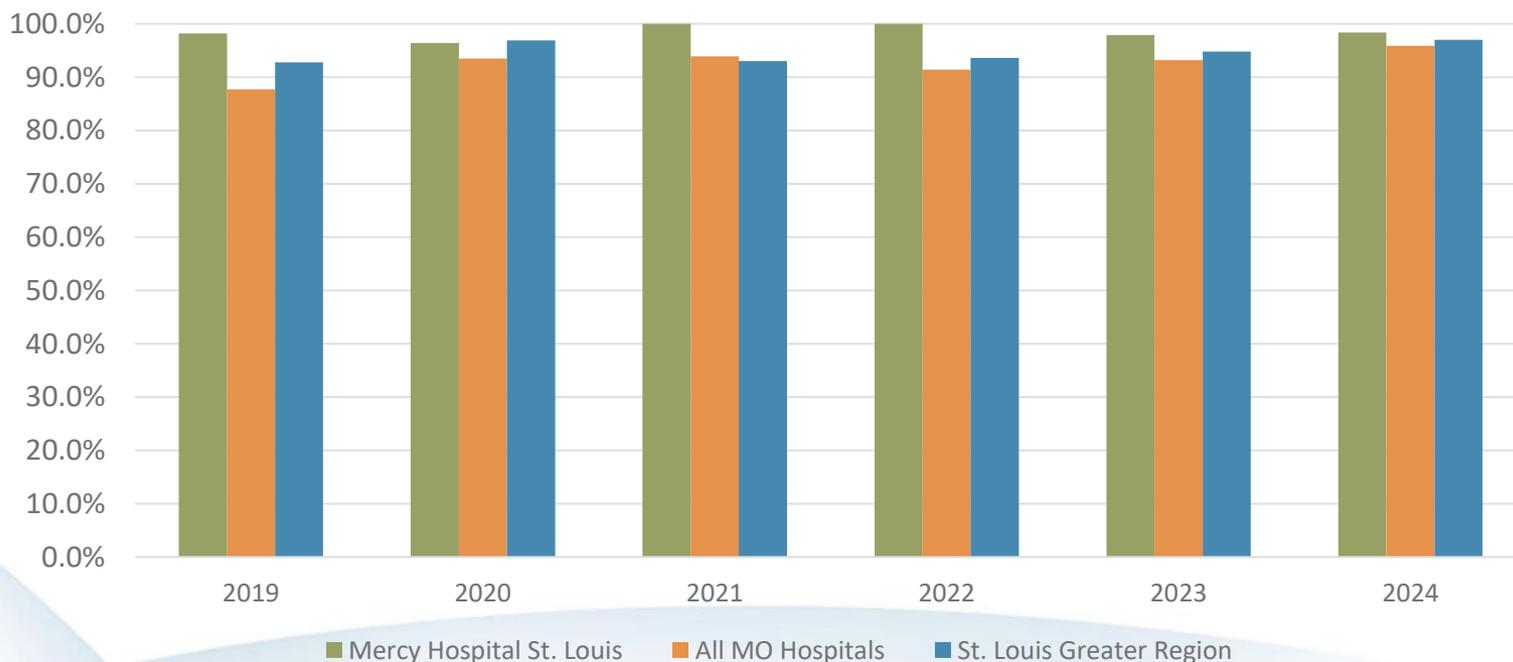


IV Thrombolytic Arrive by 3.5 Hour, Treat by 4.5 Hour

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	2019	2020	2021	2022	2023	2024
Mercy Hospital St. Louis	98.2%	96.4%	100.0%	100.0%	97.9%	98.4%
All MO Hospitals	87.7%	93.5%	93.9%	91.4%	93.2%	95.9%
St. Louis Greater Region	92.8%	96.9%	93.0%	93.6%	94.8%	97.0%

IV Thrombolytic
Arrive by 3.5 hours
Treat by 4.5 hours

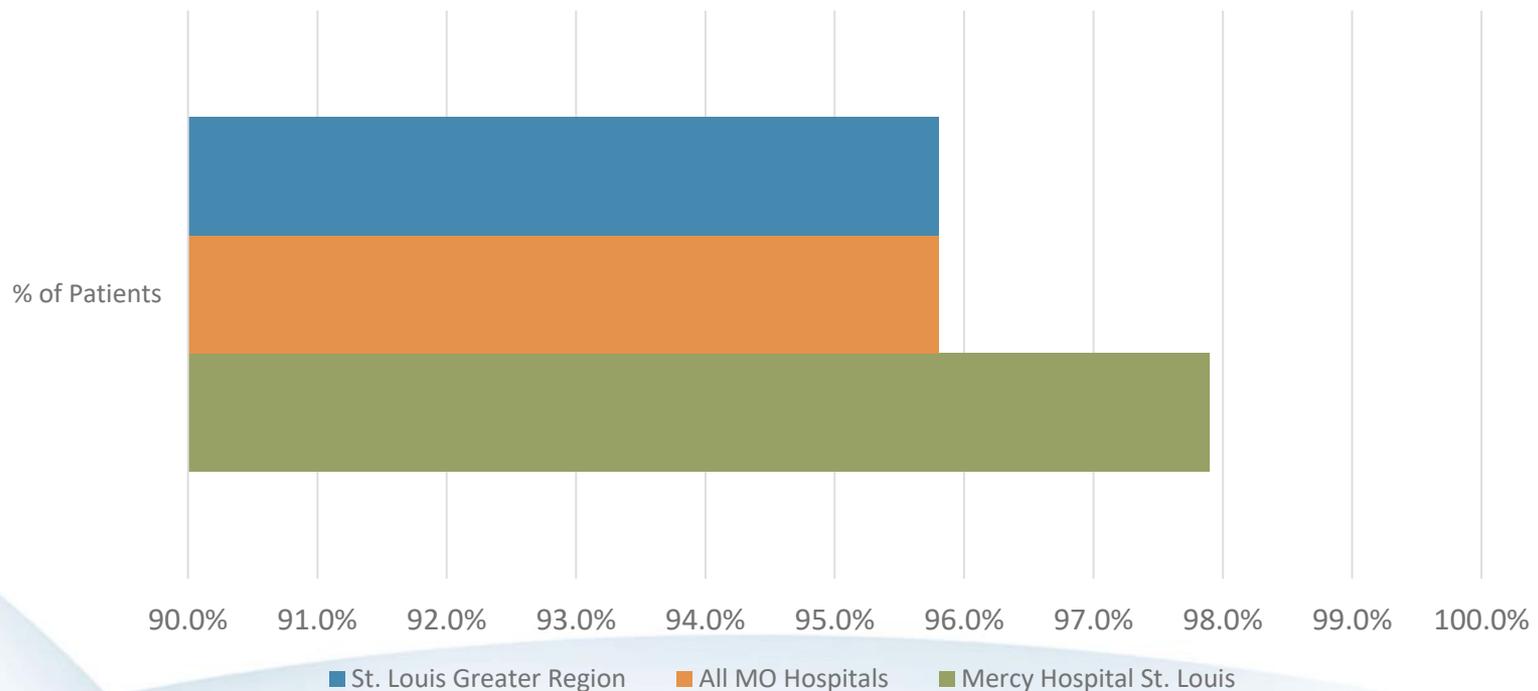


Calendar Year 2024 Quality Measures AHASTR10 NIHSS Reported

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	717	696	711
All MO Hospitals	14723	12953	13516
St. Louis Greater Region	5862	5342	5576

AHASTR10: NIHSS Reported
CY 2024



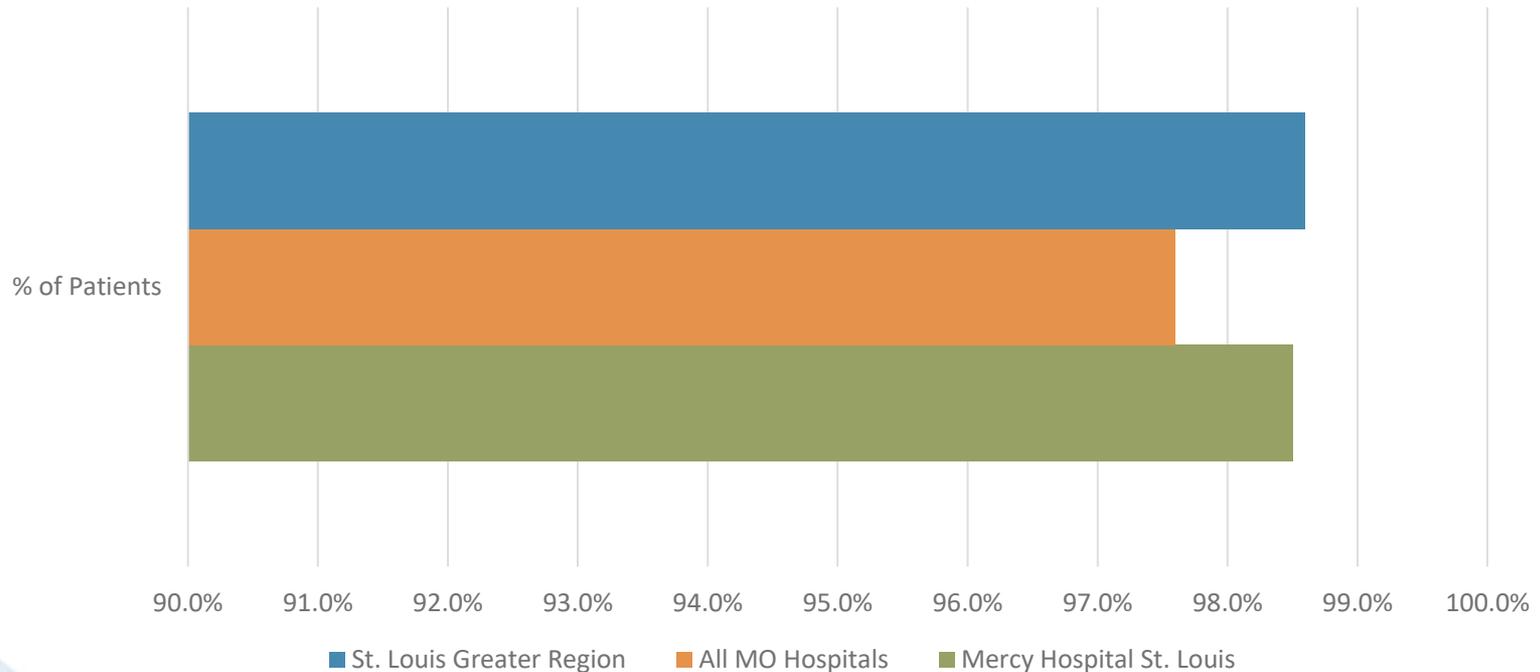
Calendar Year 2024 STK Measures

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	1042	604	613
All MO Hospitals	20186	9965	10214
St. Louis Greater Region	8083	4738	4805

STK - 1
CY 2024



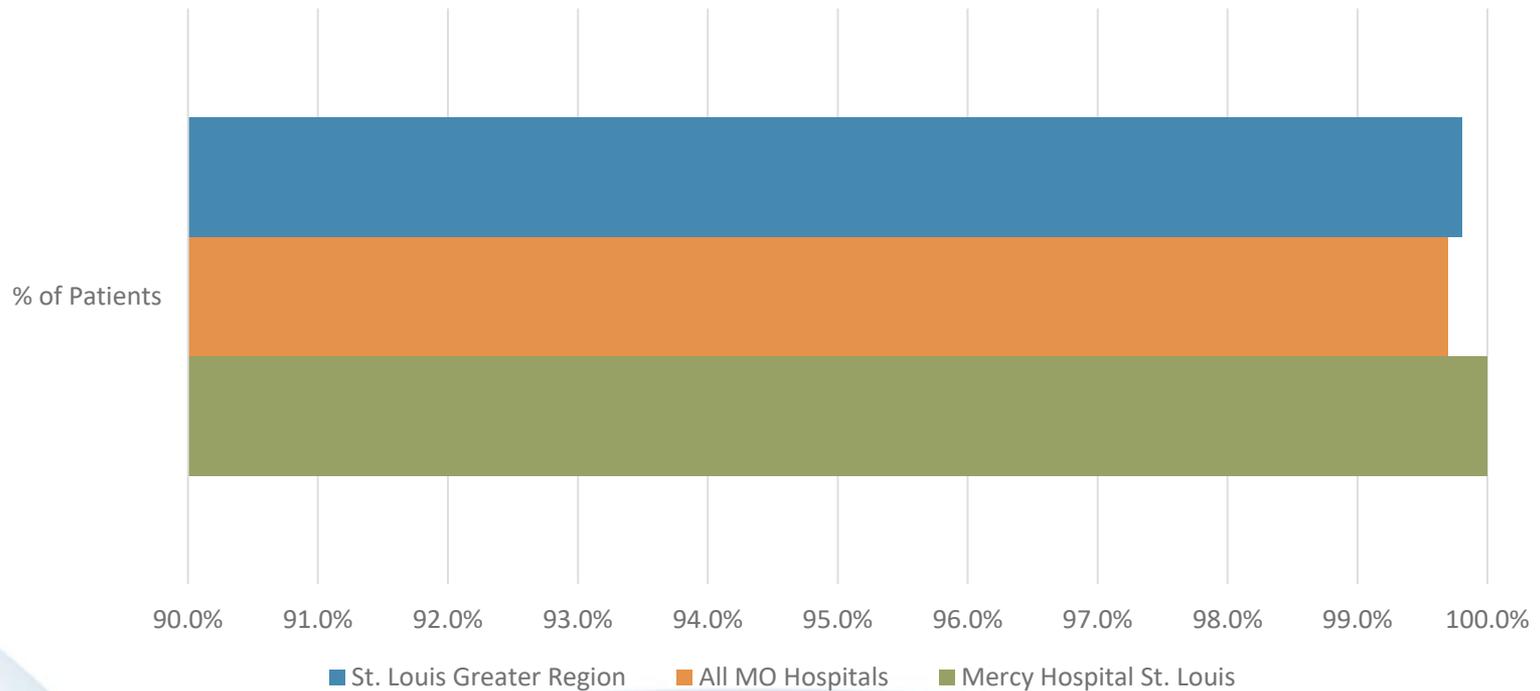
Calendar Year 2024 STK Measures

STK - 2

Ischemic stroke patients prescribed antithrombotic therapy at hospital discharge

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1042	565	565
All MO Hospitals	20186	8737	8767
St. Louis Greater Region	8083	3918	3925

STK - 2
CY 2024



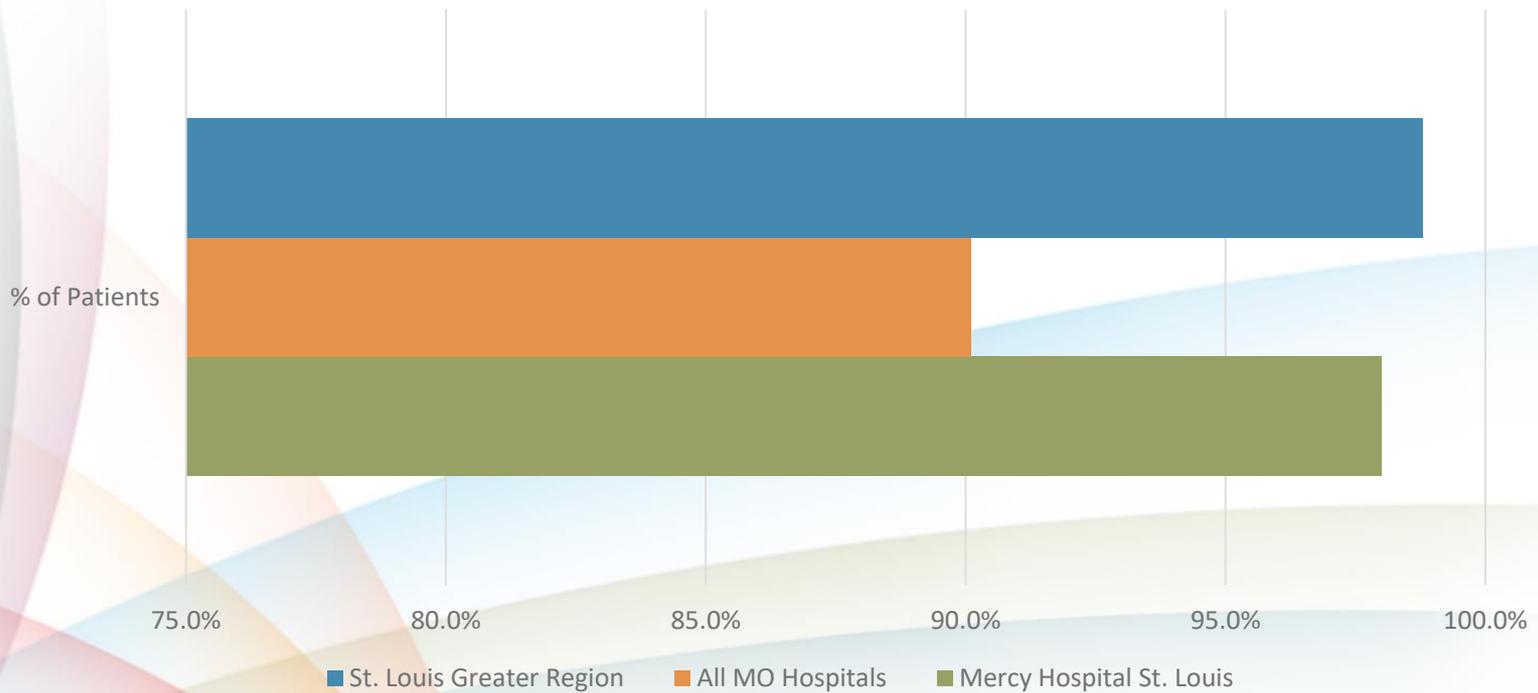
Calendar Year 2024 STK Measures

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	1042	49	50
All MO Hospitals	20186	710	788
St. Louis Greater Region	8083	324	328

STK - 4
CY 2024



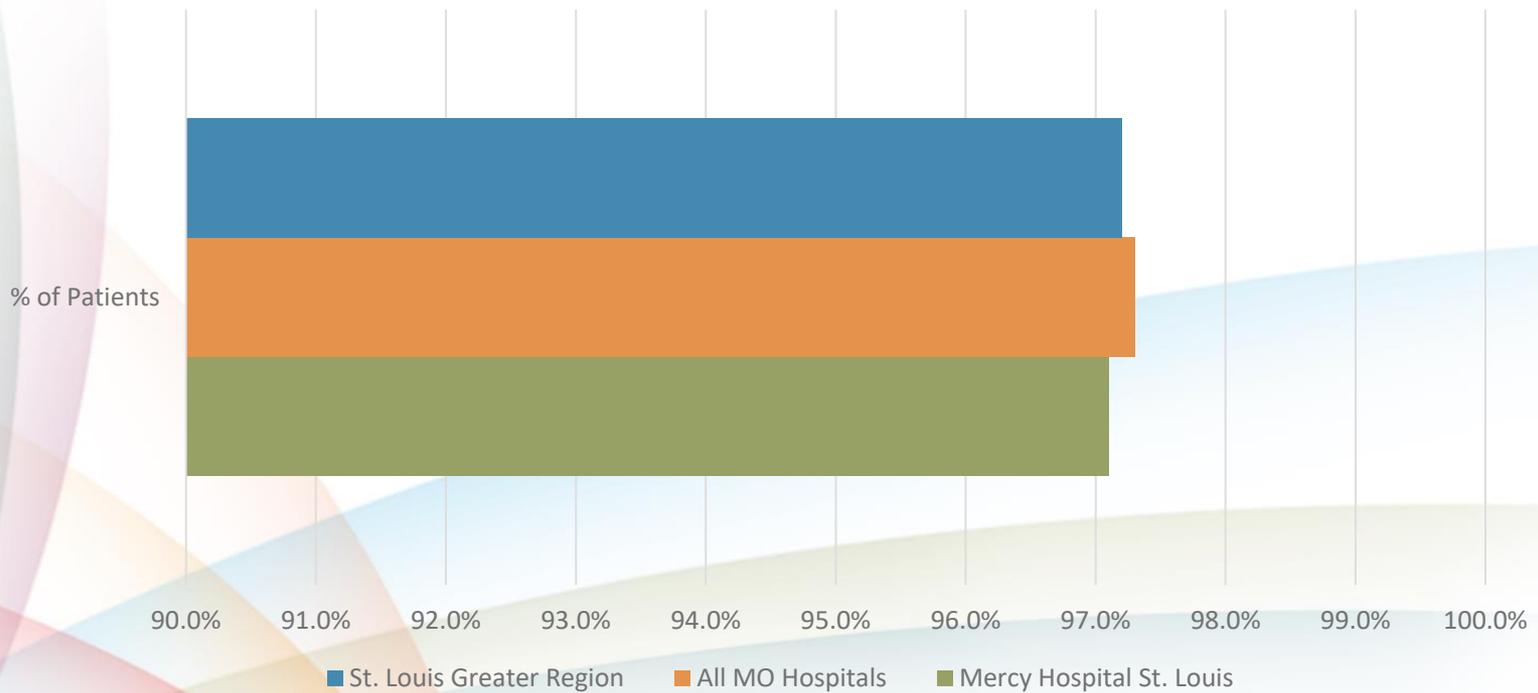
Calendar Year 2024 STK Measures

STK - 5

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1042	404	416
All MO Hospitals	20186	6756	6941
St. Louis Greater Region	8083	2948	3032

STK - 5
CY 2024



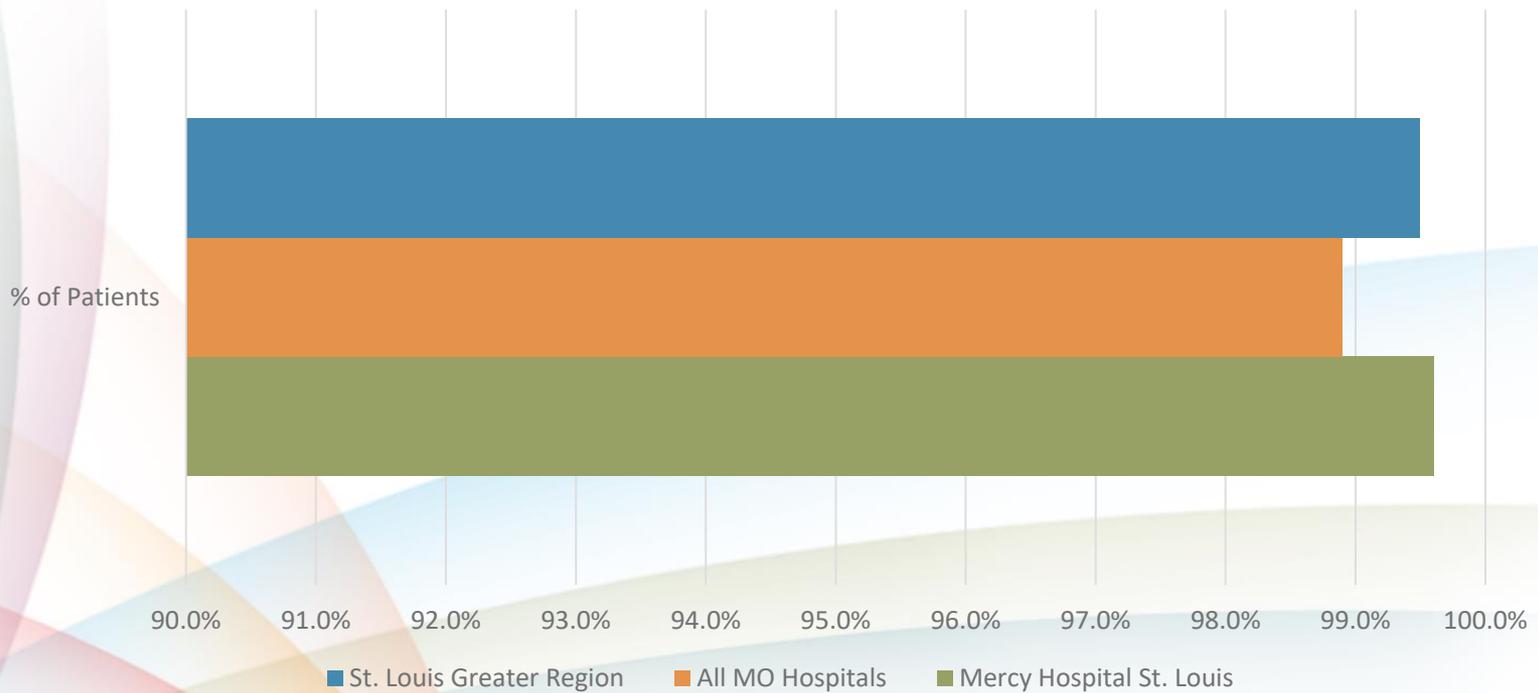
Calendar Year 2024 STK Measures

STK - 6

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1042	546	548
All MO Hospitals	20186	8349	8440
St. Louis Greater Region	8083	3802	3820

STK - 6
CY 2024



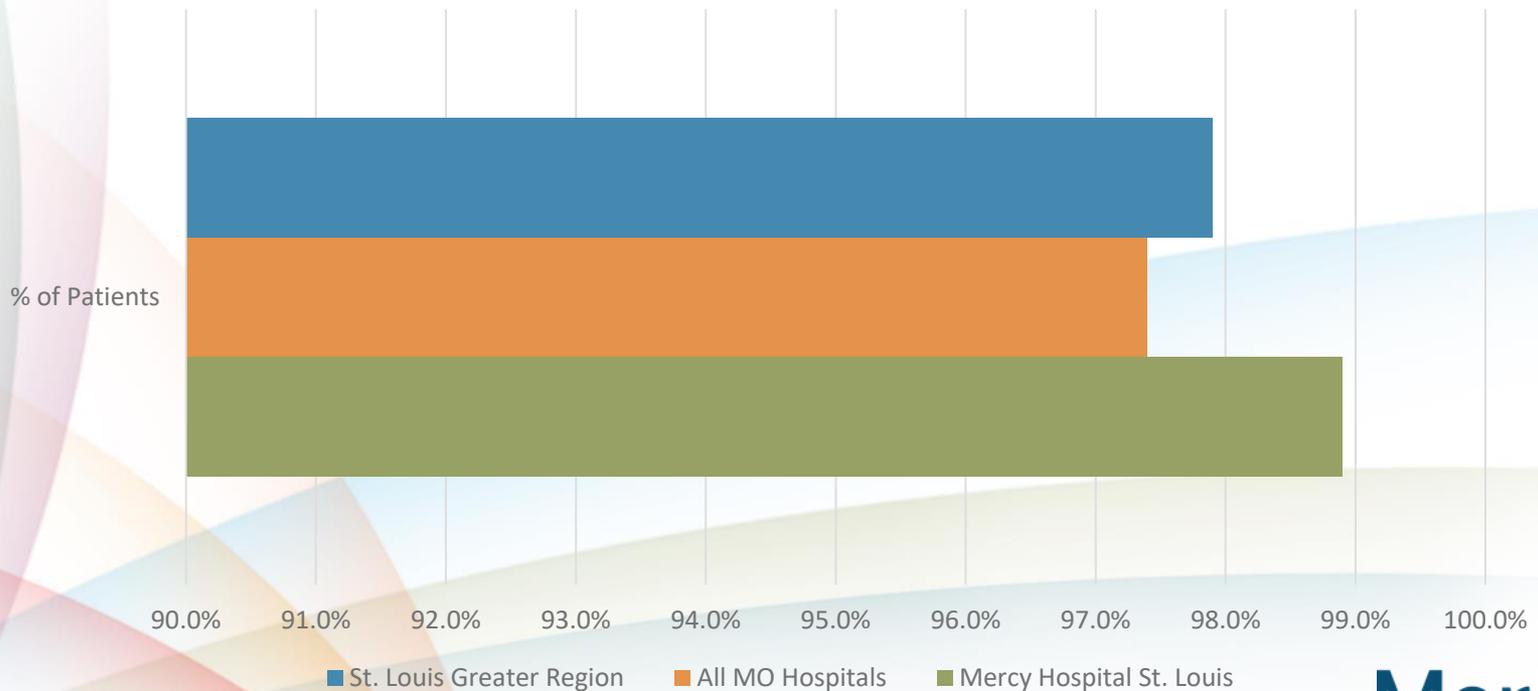
Calendar Year 2024 STK Measures

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	1042	365	369
All MO Hospitals	20186	5545	5691
St. Louis Greater Region	8083	2472	2526

STK - 8
CY 2024



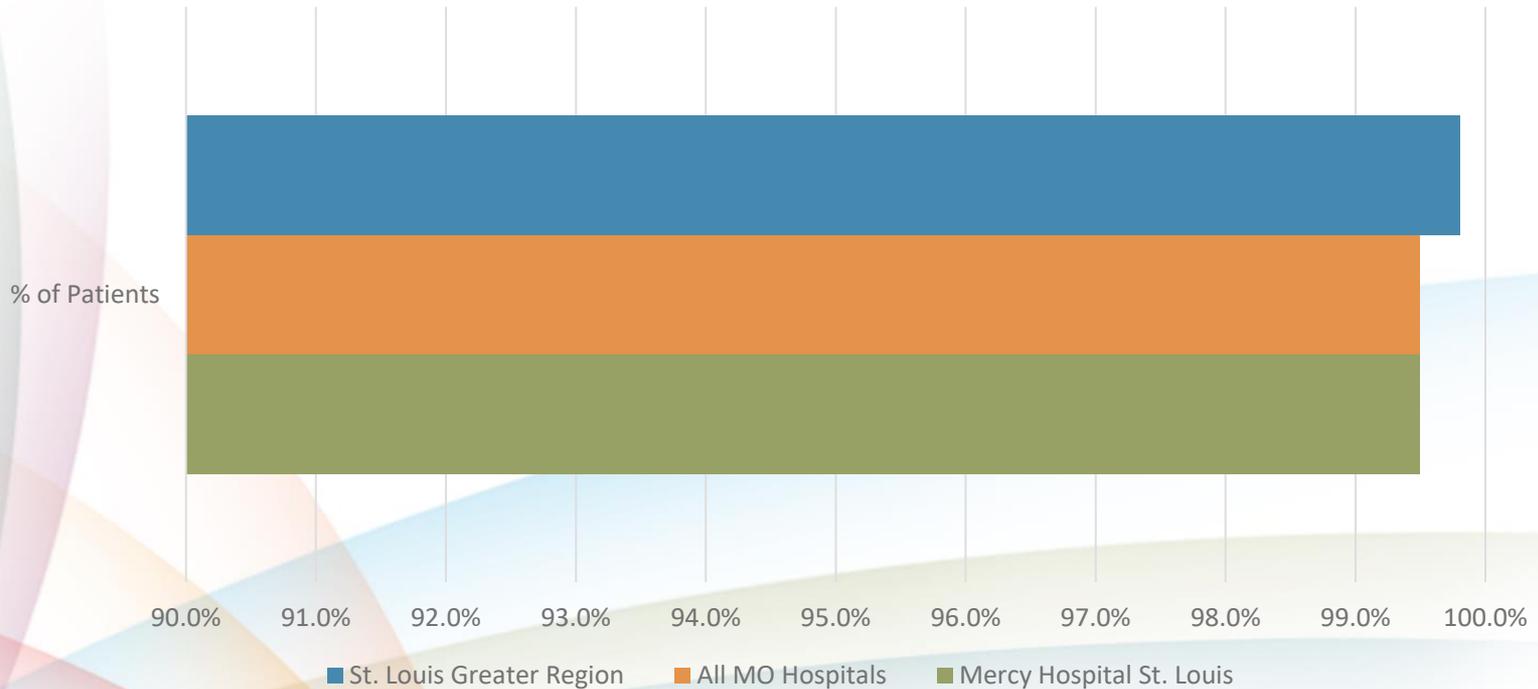
Calendar Year 2024 STK Measures

STK - 10

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

Benchmark Group	Total Patients	Numerator	Denominator
Mercy Hospital St. Louis	1042	660	663
All MO Hospitals	20186	10489	10542
St. Louis Greater Region	8083	4956	4967

STK - 10
CY 2024





Your life is our life's work.