

Mercy Hospital St. Louis

Joint Commission Advanced Thrombectomy-Capable
Stroke Center & Level I Stroke Center in Missouri

Stroke Center Metrics

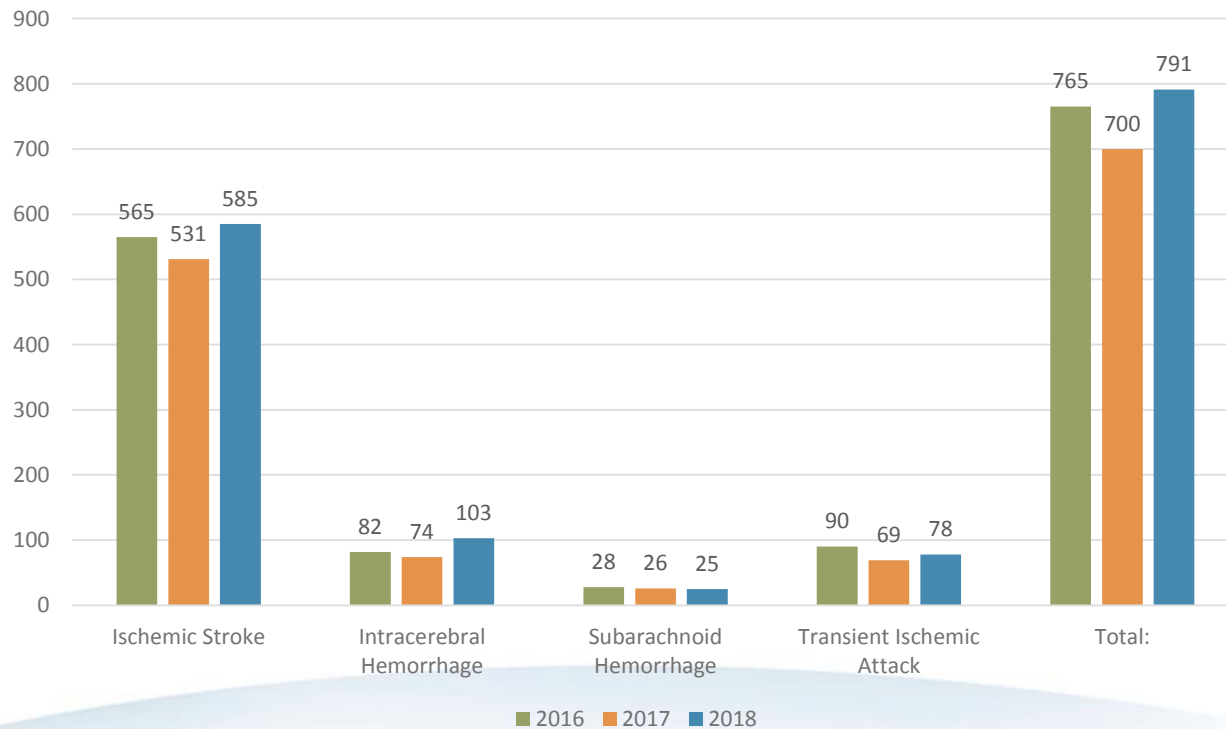


Your life is our life's work.

Types of Stroke

<https://www.mercy.net/service/stroke/>

Types of Stroke	2016	2017	2018
Ischemic Stroke	565	531	585
Intracerebral Hemorrhage	82	74	103
Subarachnoid Hemorrhage	28	26	25
Transient Ischemic Attack	90	69	78
Total:	765	700	791



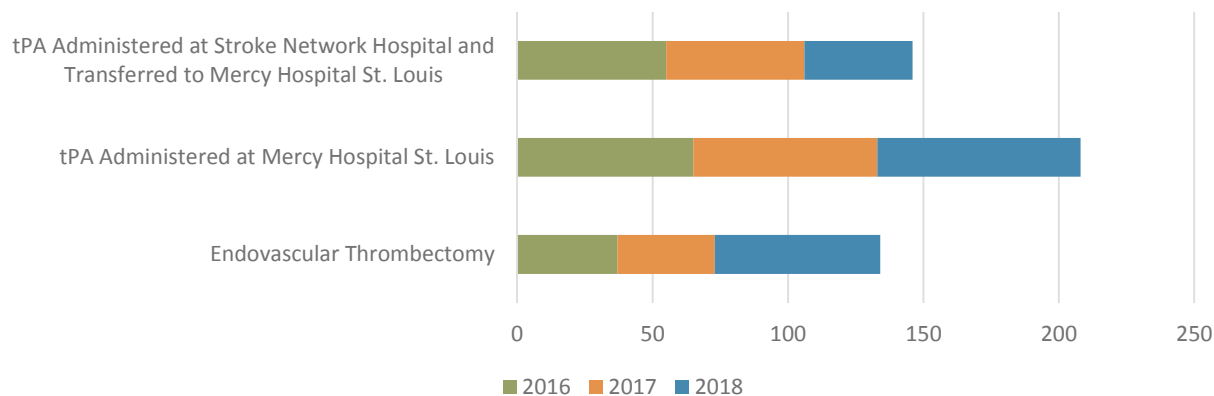
Ischemic Stroke Treatment

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.mercy.net/service/stroke/>

Ischemic Stroke Treatment	2016	2017	2018
Endovascular Thrombectomy	37	36	61
tPA Administered at Mercy Hospital St. Louis	65	68	75
tPA Administered at Stroke Network Hospital and Transferred to Mercy Hospital St. Louis	55	51	4
Total:	157	155	176

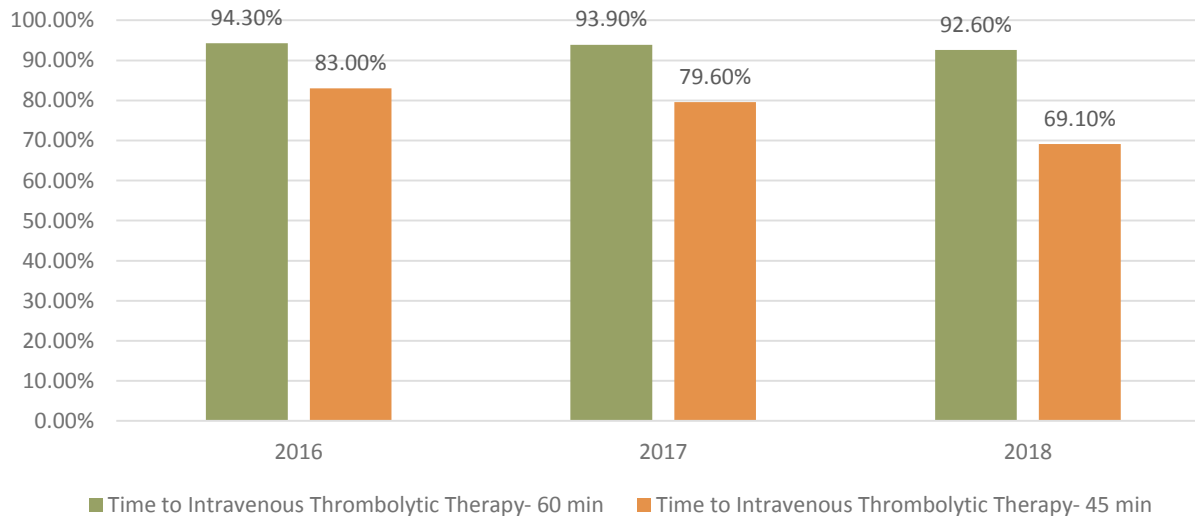
Ischemic Stroke Treatment



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 and 45 minutes or less.

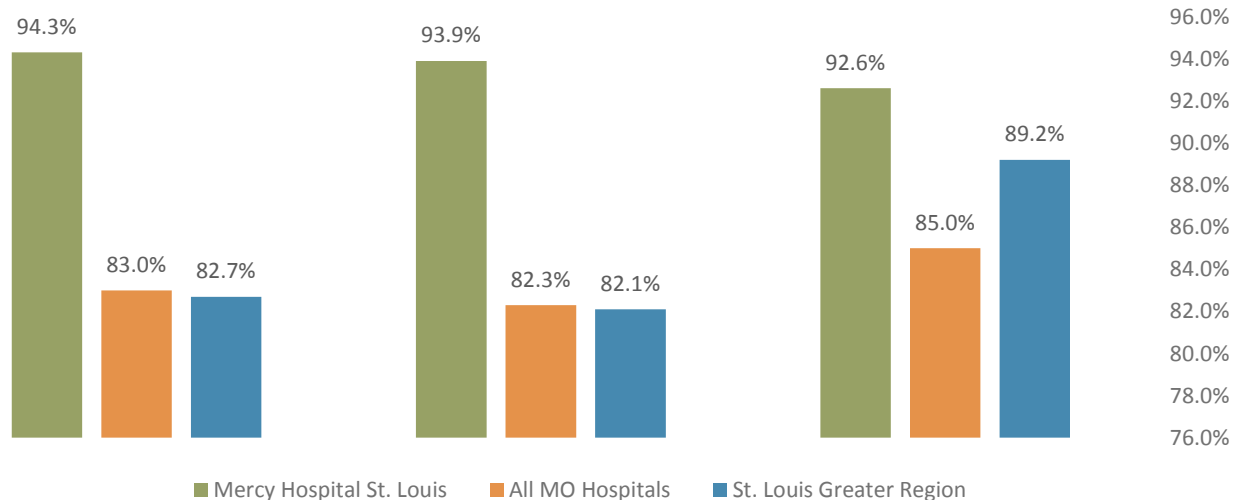
	2016	2017	2018
Percent of patients treated with tPA within 60 min	94.3%	93.9%	92.6%
Percent of patients treated with tPA within 45 min	83.0%	79.6%	69.1%



Intravenous Thrombolytic Therapy- 60 Min

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2016	50	53	94.30%
All MO Hospitals	2016	787	960	82.00%
St. Louis Greater Region	2016	367	444	82.70%
Mercy Hospital St. Louis	2017	46	49	93.90%
All MO Hospitals	2017	888	1079	82.30%
St. Louis Greater Region	2017	372	453	82.10%
Mercy Hospital St. Louis	2018	50	54	92.60%
All MO Hospitals	2018	969	1140	85.00%
St. Louis Greater Region	2018	438	491	89.20%

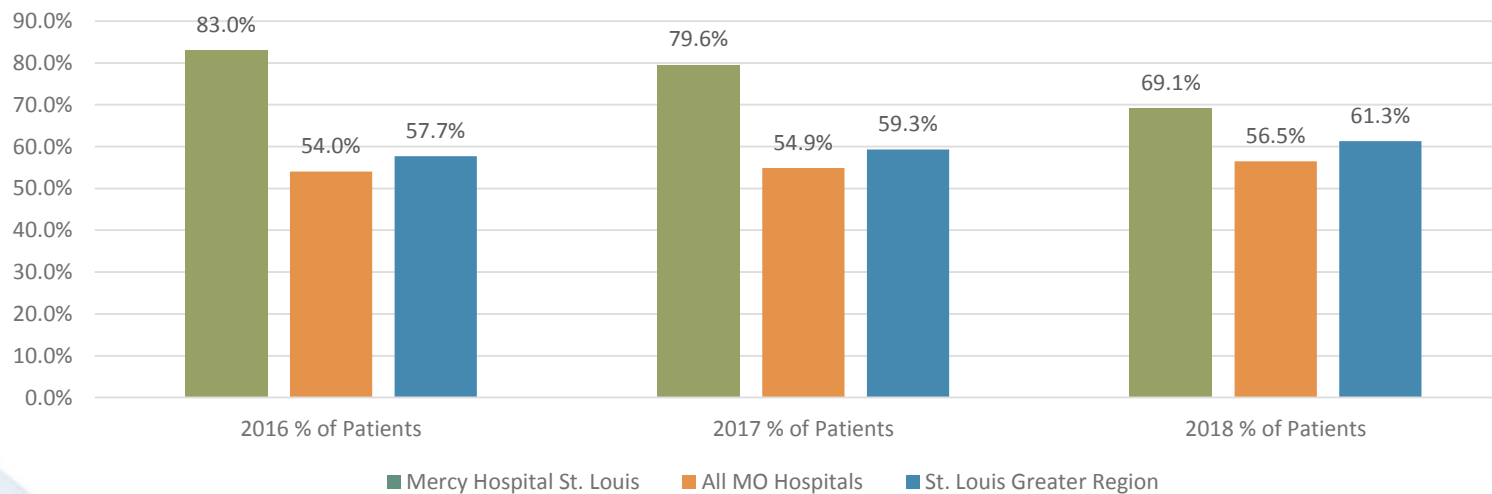
Time to Intravenous Thrombolytic Therapy 60 Min



Intravenous Thrombolytic Therapy- 45 Min

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2016	44	53	83.0%
All MO Hospitals	2016	534	988	54.0%
St. Louis Greater Region	2016	262	454	57.7%
Mercy Hospital St. Louis	2017	39	49	79.6%
All MO Hospitals	2017	609	1109	54.9%
St. Louis Greater Region	2017	277	467	59.3%
Mercy Hospital St. Louis	2018	38	55	69.1%
All MO Hospitals	2018	658	1165	56.5%
St. Louis Greater Region	2018	310	506	61.3%

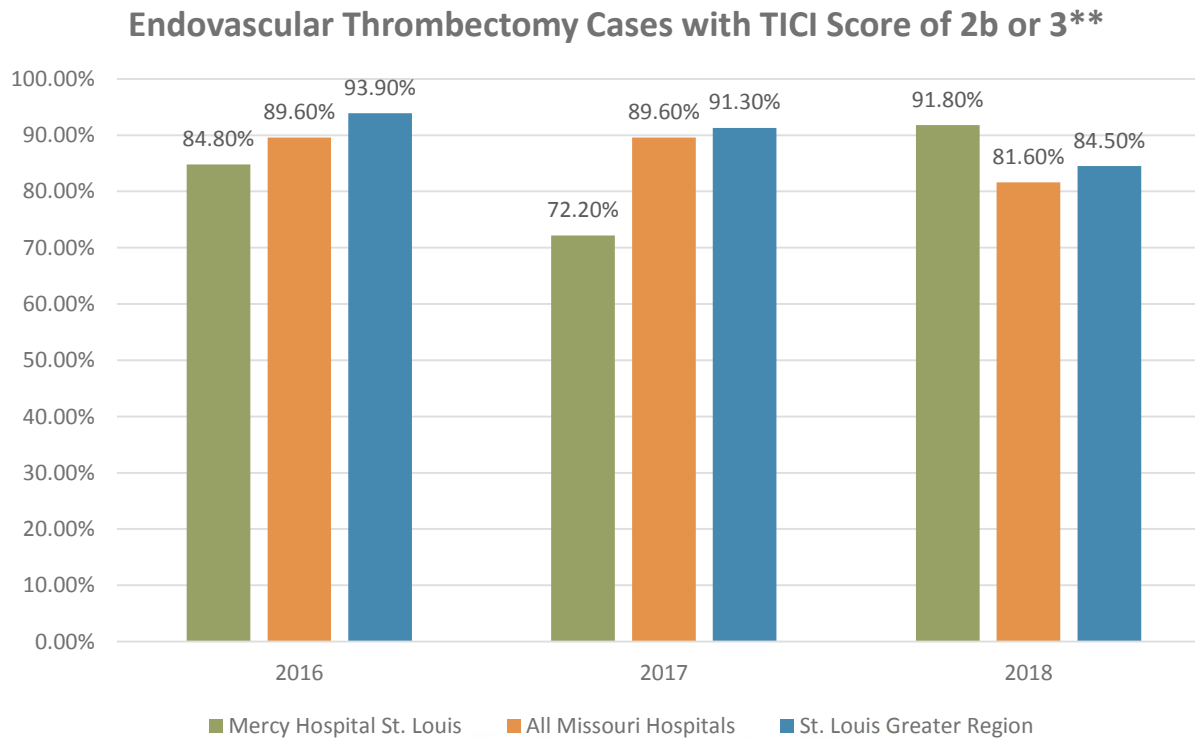
Time to Intravenous Thrombolytic Therapy 45 Min



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**	2016	2017	2018
Mercy Hospital St. Louis	84.8%	72.2%	91.8%
All Missouri Hospitals	89.6%	89.6%	81.6%
St. Louis Greater Region	93.9%	91.3%	84.5%

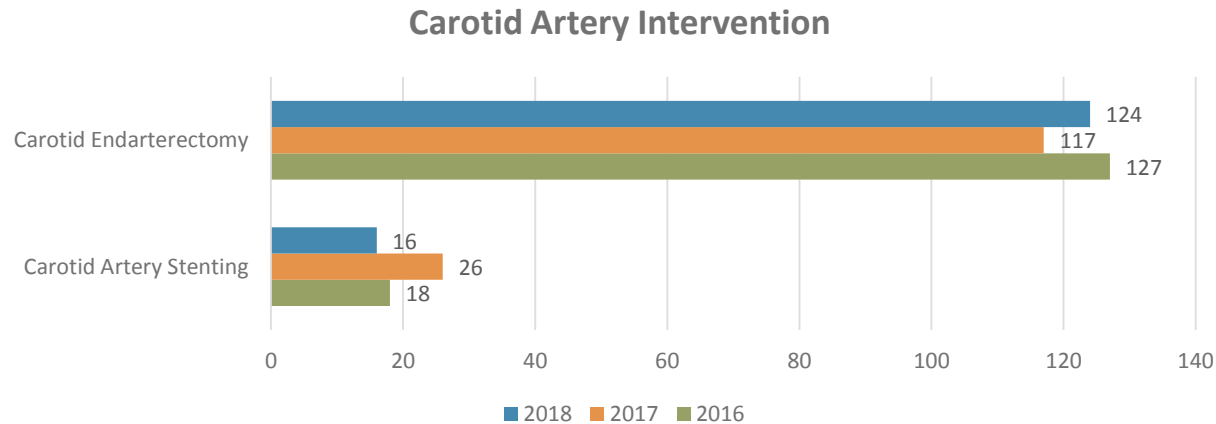


****TICI score = Thrombolysis in Cerebral Infarction in Reperfusion Grade**

Carotid Artery Intervention

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

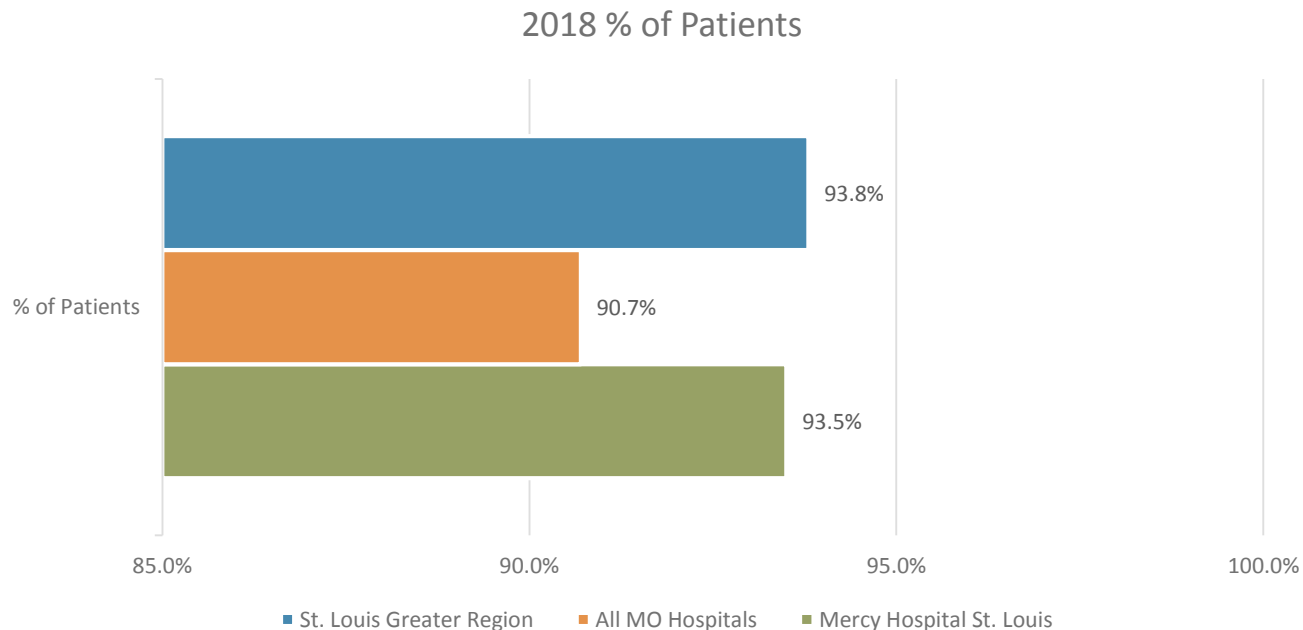
Carotid Artery Intervention	2016	2017	2018
Carotid Artery Stenting	18	26	16
Carotid Endarterectomy	127	117	124
Total:	145	143	140



IV rt-PA Arrive by 2 Hour, Treat by 3 Hour

Percent of acute ischemic stroke patients who arrive at the hospital within 120 minutes (2 hours) of time last known well and for whom IV t-PA was initiated at this hospital within 180 minutes (3 hours) of time last known well.

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	43	46	93.5%
All MO Hospitals	2018	994	1096	90.7%
St. Louis Greater Region	2018	438	467	93.8%

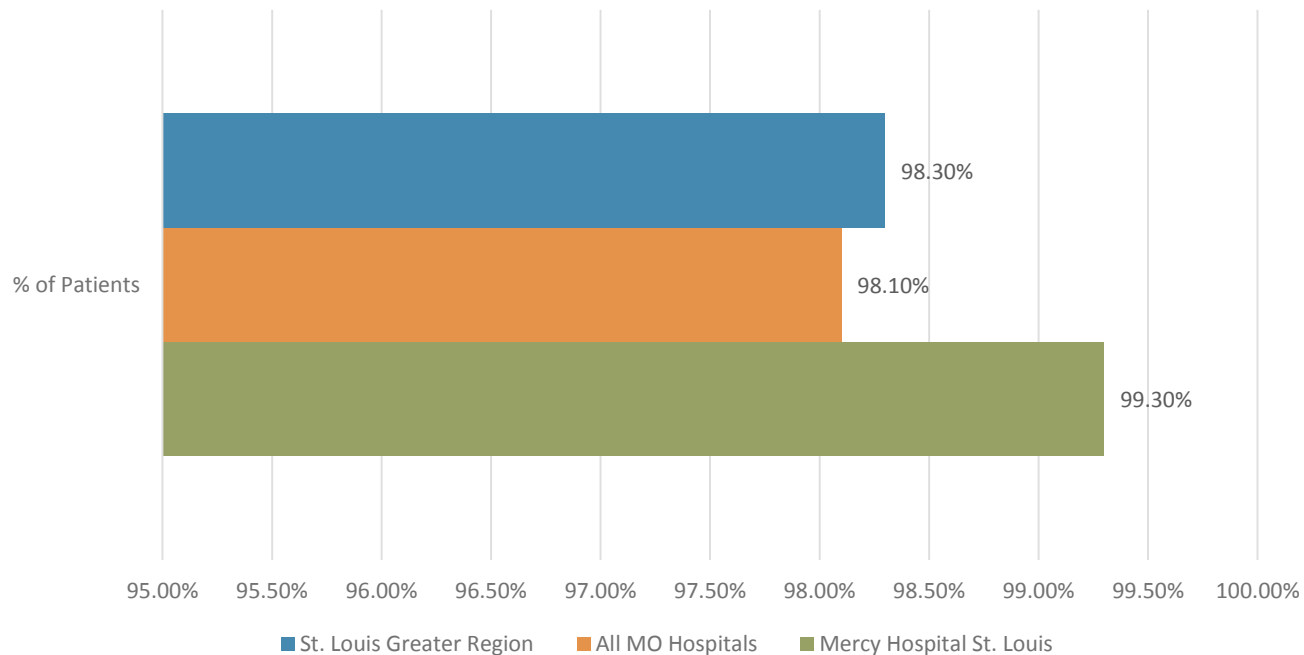


STK - 1

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	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	589	593	99.30%
All MO Hospitals	2018	10401	10605	98.10%
St. Louis Greater Region	2018	5209	5301	98.30%

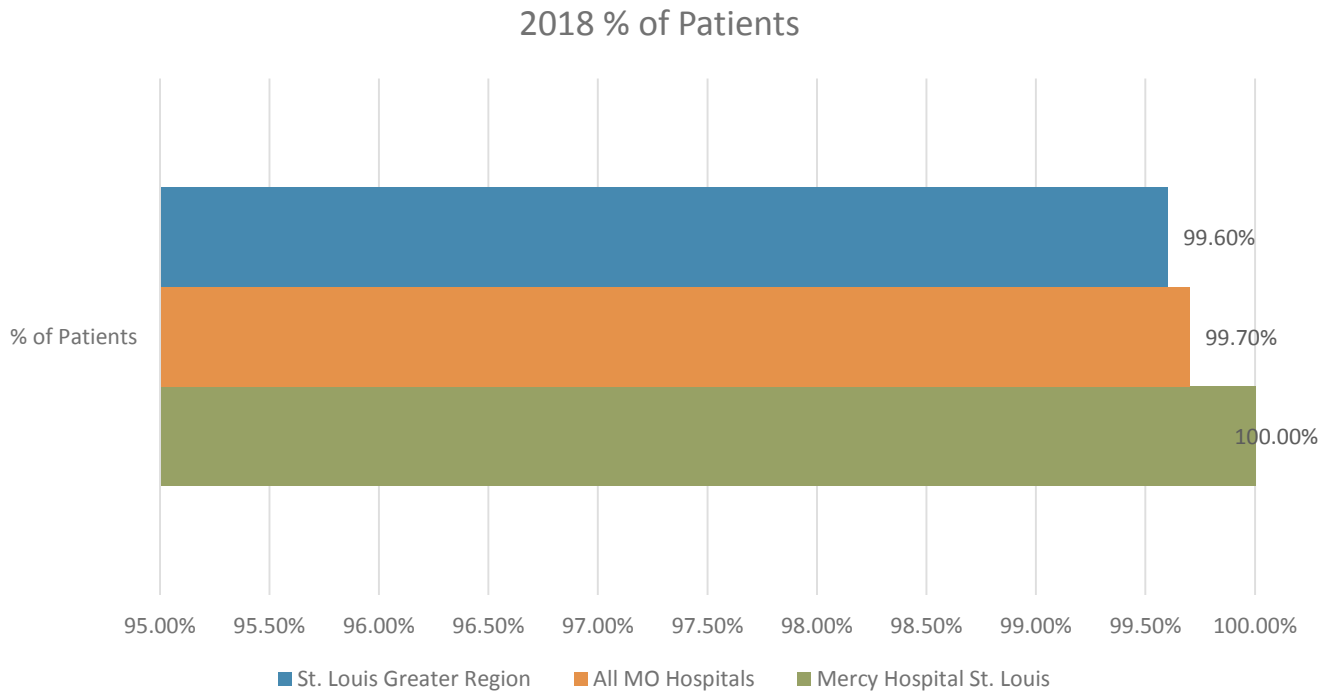
2018 % of Patients



STK - 2

Ischemic stroke patients prescribed antithrombotic therapy at hospital discharge

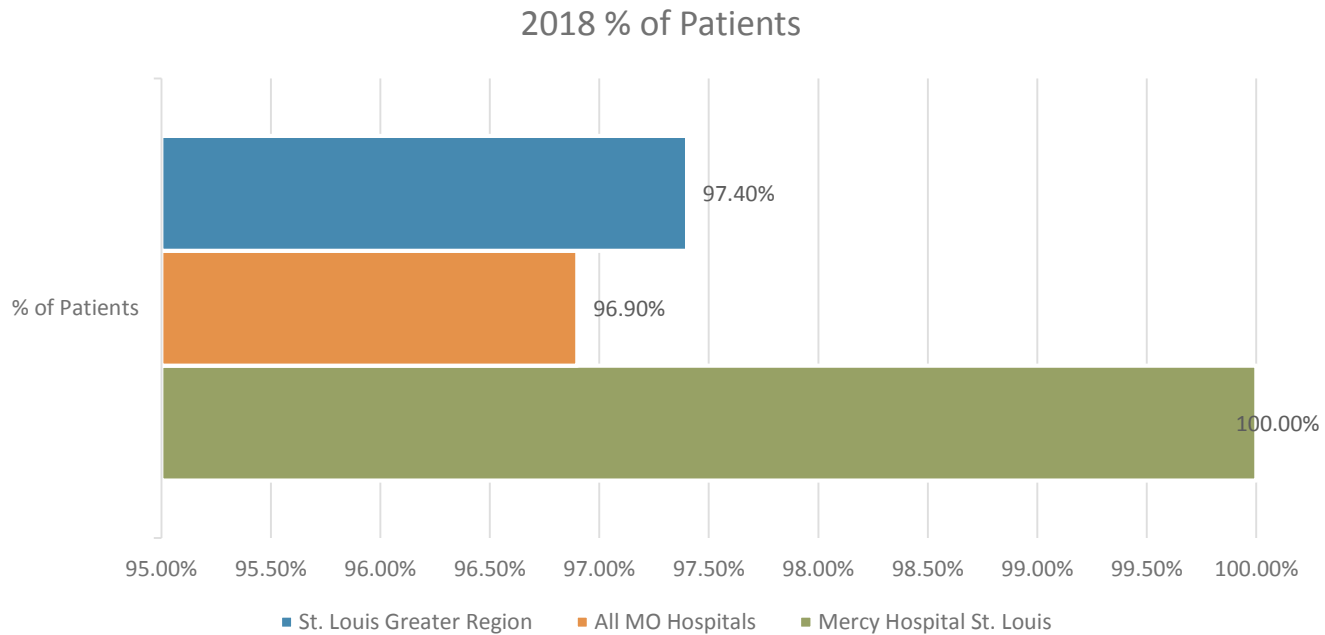
Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	480	480	100.00%
All MO Hospitals	2018	9486	9519	99.70%
St. Louis Greater Region	2018	4829	4848	99.60%



STK-3

Ischemic stroke patients with atrial fibrillation who are prescribed anticoagulation therapy at hospital discharge

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	107	107	100.00%
All MO Hospitals	2018	1531	1580	96.90%
St. Louis Greater Region	2018	840	862	97.40%

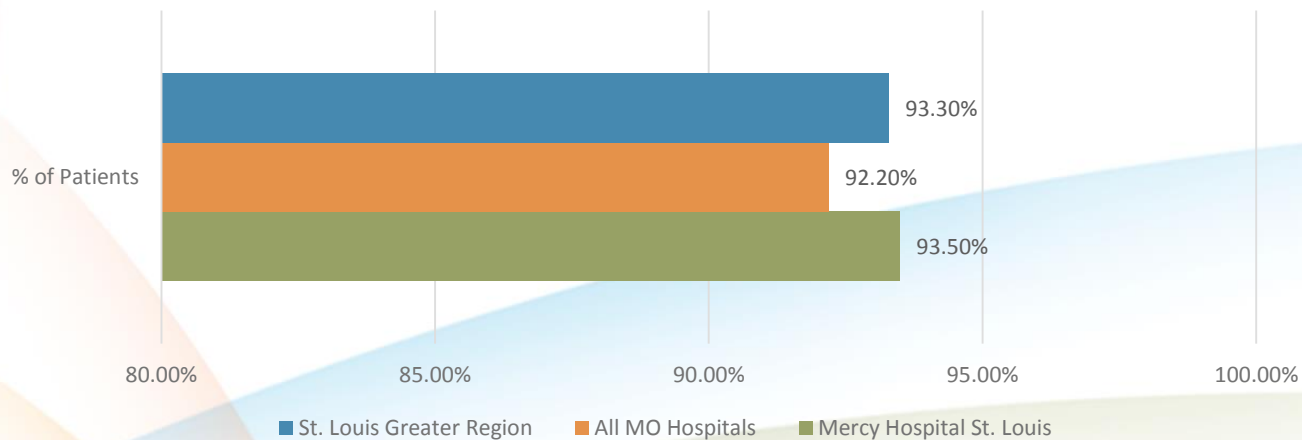


STK - 4

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	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	43	46	93.50%
All MO Hospitals	2018	742	805	92.20%
St. Louis Greater Region	2018	378	405	93.30%

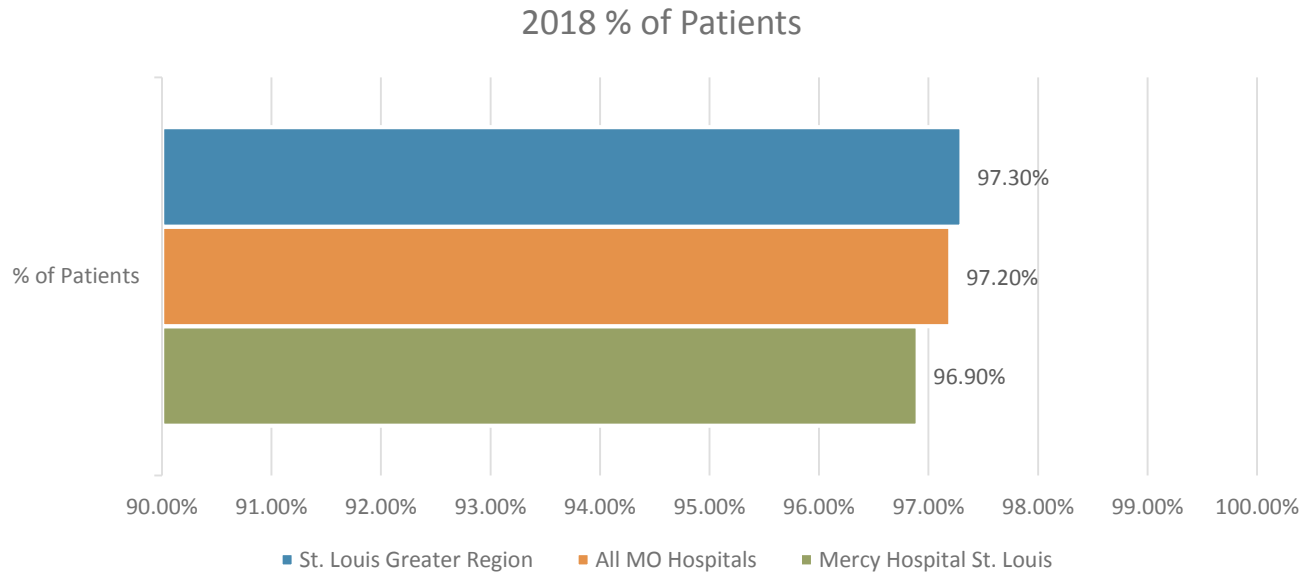
2018 % of Patients



STK - 5

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

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	373	385	96.90%
All MO Hospitals	2018	7085	7287	97.20%
St. Louis Greater Region	2018	3505	3604	97.30%

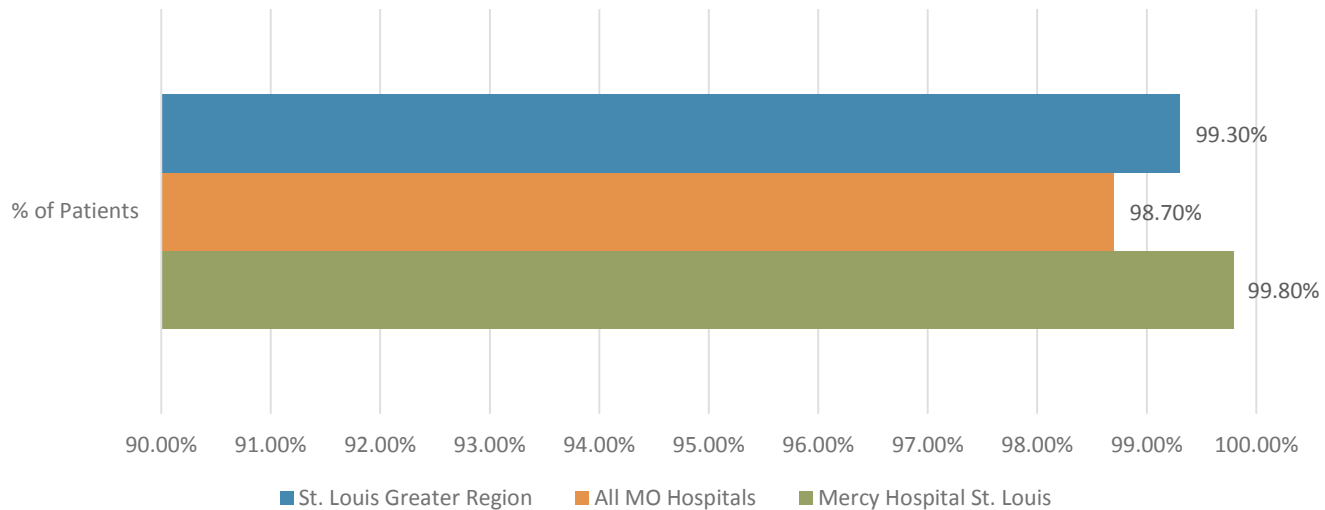


STK - 6

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

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	456	457	99.80%
All MO Hospitals	2018	8308	8417	98.70%
St. Louis Greater Region	2018	3996	4025	99.30%

2018 % of Patients

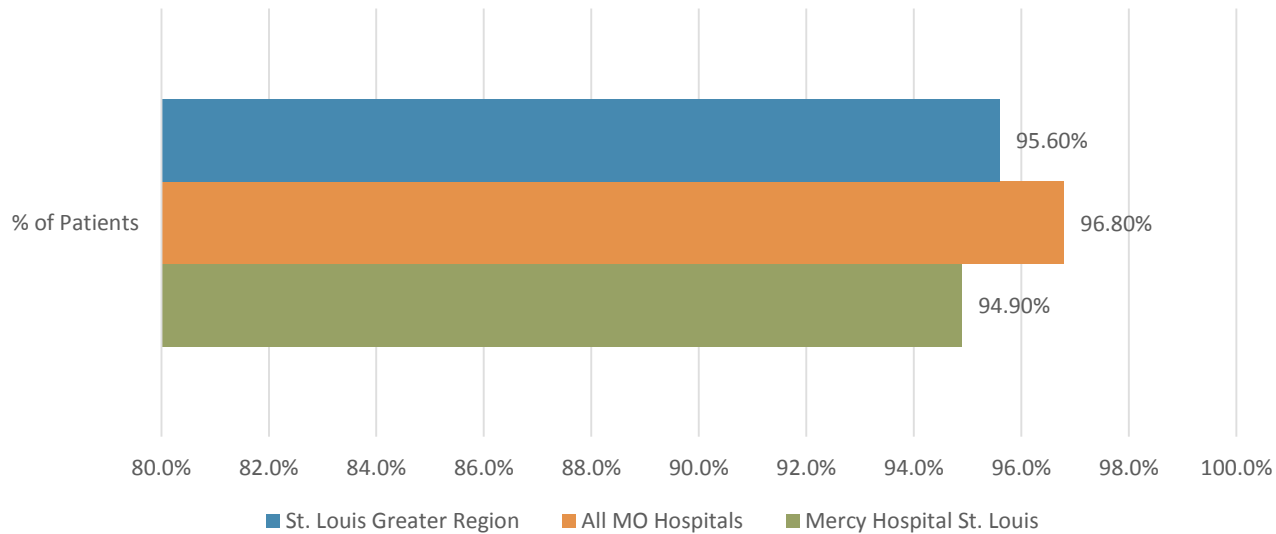


STK - 8

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	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	278	293	94.90%
All MO Hospitals	2018	5454	5637	96.80%
St. Louis Greater Region	2018	2657	2780	95.60%

2018 % of Patients

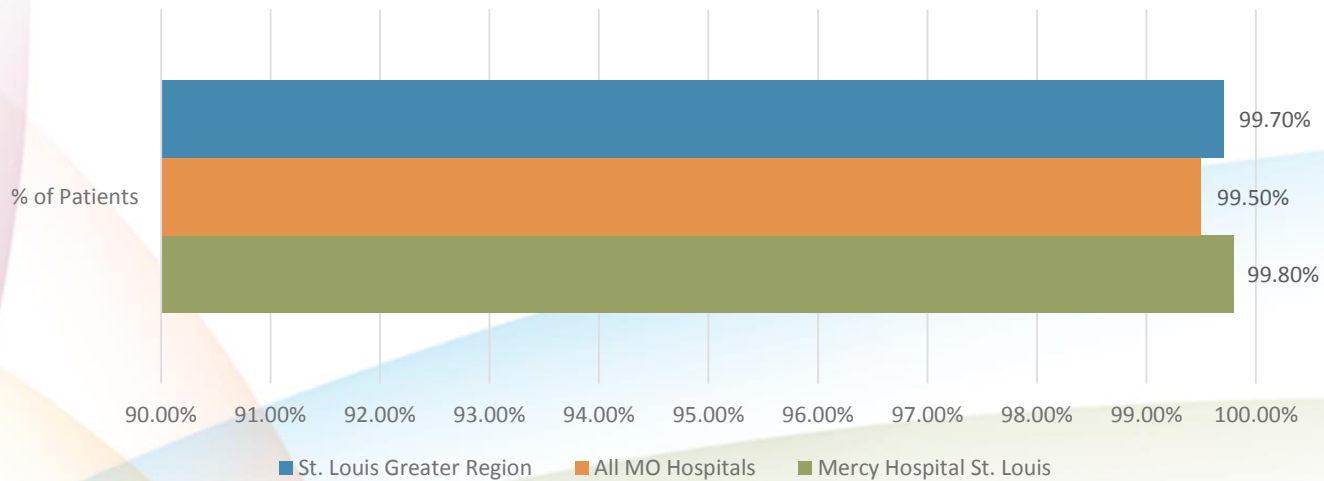


STK – 10

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

Benchmark Group	Time Period	Numerator	Denominator	% of Patients
Mercy Hospital St. Louis	2018	573	574	99.80%
All MO Hospitals	2018	11002	11054	99.50%
St. Louis Greater Region	2018	5573	5591	99.70%

2018 % of Patients





Your life is our life's work.