

Stroke Core Performance Measures
HOS-Sanford Medical Center Fargo
Annual summaries for 2020 through 2022

Updated: 2/2023

Rates		Measure Description	Year	Rate	(Num/Den)
STK-1	VTE Prophylaxis	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.	2022	91.5%	(268/293)
			2021	94.5%	(307/325)
			2020	91.7%	(275/300)
STK-2	D/C on Antithromb Thpy	Ischemic stroke patients prescribed antithrombotic therapy at discharge (e.g., warfarin, aspirin, other antiplatelet drug).	2022	100.0%	(117/117)
			2021	100.0%	(177/177)
			2020	98.30%	(169/172)
STK-3	Anticoag Thpy Atrial Fib	Ischemic stroke patients with atrial fibrillation/flutter who are prescribed anticoagulation therapy at hospital discharge.	2022	100.0%	(36/36)
			2021	100.0%	(35/35)
			2020	97.1%	(33/35)
STK-4	Thrombolytic Therapy	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.	2022	100.0%	(11/11)
			2021	84.6%	(11/13)
			2020	100.0%	(12/12)
STK-5	ThrombThpy Hospital Day 2	Ischemic stroke patients who receive antithrombotic therapy by the end of hospital day 2.	2022	97.5%	(118/121)
			2021	96.4%	(108/112)
			2020	99.2%	(130/131)
STK-6	Discharge on Statin Medication	Ischemic stroke patients who are prescribed statin medication at hospital discharge.	2022	98.2%	(165/168)
			2021	98.8%	(175/177)
			2020	98.8%	(164/166)
STK-8	Stroke Education	Ischemic or hemorrhagic stroke patients or their caregivers who were given educational materials during their hospital stay addressing stroke.	2022	89.4%	(127/142)
			2021	95.5%	(149/156)
			2020	96.4%	(133/1.38)
STK-10	Assessed for Rehab	Ischemic or hemorrhagic stroke patients who were assessed for rehabilitation services.	2022	99.3%	(274/276)
			2021	99.0%	(299/302)
			2020	100.0%	(286/286)

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CSTK-1	NIHSS Score Performed for Ischemic Stroke Patients	Ischemic stroke patients for whom an initial NIH Stroke Scale score is performed prior to any acute recanalization therapy or within 12 hours of emergency department arrival.	2022	94.42%	(254/269)
			2021	94.20%	(294/312)
			2020	96.10%	(149/155)
CSTK-3	Severity Measurement Performed for SAH and ICH Patients - Overall	SAH and ICH patients for whom a severity measurement (Hunt and Hess or ICH Score) is performed prior to surgical intervention or within 6 hours of emergency department arrival.	2022	92.94%	(79/58)
			2021	93.10%	(94/101)
			2022	90.50%	(57/63)
CSTK-4	Procoagulant Reversal Agent Initiation for ICH	ICH patients with an INR > 1.4 at hospital arrival who are treated with a procoagulant reversal agent.	2022	100.0%	(8/8)
			2021	100.0%	(6/6)
			2020	100.0%	(4/4)
CSTK-5	Hemorrhagic Transformation - Overall	Ischemic stroke patients who develop symptomatic intracranial hemorrhage within 36 hours after treatment with IV t-PA or thrombectomy.	2022	17.0%	(15/88)
			2021	19.4%	(26/134)
			2020	12.2%	(6/49)
CSTK-6	Nimodipine Treatment Administered	SAH patients for whom nimodipine treatment was administered within 24 hours of arrival at this hospital.	2022	95.5%	(42/44)
			2021	96.1%	(49/51)
			2020	100.0%	(23/23)
CSTK-8	TICI Post-Treatment Reperfusion Grade	Ischemic stroke patients with a posttreatment reperfusion grade of TICI 2B or higher after thrombectomy.	2022	95.5%	(63/66)
			2021	92.4%	(85/92)
			2020	90.0%	(27/30)

Rates		Year	Median	# Cases
Continuous Measures:				
CSTK-9	Arrival Time to Skin Puncture	2022	53.0	58
		2021	54.0	76
		2020	62.0	29

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CSTK-10 Modified Rankin Score (mRS) at 90 Days: Favorable Outcome (Overall)	Patients who received IV t-PA and/or mechanical endovascular reperfusion and have a modified Rankin Scale 2 at 90 days.	2022	44.0%	(28/63)
		2021	36.1%	(39/108)
		2020	41.0%	(16/39)
CSTK-11 Timeliness of Reperfusion: Arrival Time to TICI 2B or Higher (as of 1/18)	Patients with an LVO received mechanical endovascular reperfusion within 120 minutes of arrival and have a TICI 2B or higher.	2022	90.9%	(50/55)
		2021	85.7%	(60/70)
		2020	66.7%	(18/27)
CSTK-12 Timeliness of Reperfusion: Skin Puncture to TICI 2B or Higher (as of 1/18)	Patients with an LVO received mechanical endovascular reperfusion and a TICI 2B or higher within 60 minute of skin puncture.	2022	83.3%	(50/60)
		2021	81.0%	(64/79)
		2020	77.8%	(21/27)