

Introduction:

(GWTG-S) promotes the latest evidence-based stroke care. The product meets the needs of stroke centers of all levels of certification. It facilitates opportunities to enter and monitor data on patients with stroke related diagnoses, including ischemic stroke, hemorrhagic stroke, transient ischemic attack, and subarachnoid hemorrhage. Elements tracked include hyperacute management, thrombolysis, interventional procedures, secondary prevention strategies, discharges, and followup care. Additionally, teams can optimize their quality improvement activities utilizing the creative reporting capabilities of our newest platform. Super User accounts are available for health system quality staff to monitor the performance of all affiliated sites allowing for high-level quality initiatives across the system.

The American Heart Association supports the Get With The Guidelines platforms with a knowledgeable team of quality improvement consultants. An added value to our customers is ongoing virtual education featuring guideline-driven care, current hot topics, model sharing, expert consultant panels and more.

Stroke Achievement Measures:

ACUTE

- Percent of patients with ischemic stroke or transient ischemic attack (TIA) who receive antithrombotic therapy by the end of hospital day two. AHASTR3
- 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 thrombolytic was initiated at this hospital within 270 minutes (4.5 hours) of time last known well. AHASTR5
- Percent of patients with ischemic stroke, hemorrhagic stroke or stroke not otherwise specified who receive VTE prophylaxis the day of or the day after hospital admission. AHASTR7

AT OR BY DISCHARGE

- Percent of patients with an ischemic stroke or TIA with AF discharged on anticoagulation therapy. AHASTR1
- Percent of patients with an ischemic stroke or TIA prescribed antithrombotic therapy at discharge. AHASTR2
- Percentage of ischemic stroke and TIA patients who are prescribed high-intensity statin therapy at discharge OR, if < 75 years of age, are prescribed at least moderate-intensity statin therapy at discharge. AHASTR4
- Percent of patients with ischemic or hemorrhagic stroke, or TIA with a history of smoking cigarettes, who are, or whose caregivers are, given smoking cessation advice or counseling during hospital stay. AHASTR6

COMPOSITE AND DEFECT-FREE MEASURES

- The composite quality of care measure indicates how well the health care system does to provide appropriate, evidence-based interventions for each patient. AHASTR67
- Defect-free measure gauges how well your hospital did in providing all the appropriate interventions to every patient. AHASTR70

Stroke Quality Measures:

ACUTE

- Percent of stroke patients who undergo screening for dysphagia with an evidence-based bedside testing protocol approved by the hospital before being given any food, fluids or medication by mouth. AHASTR8
- Percent of ischemic stroke and stroke not otherwise specified patients with a score reported for NIH Stroke Scale (initial). AHASTR10
- Percent of acute ischemic stroke patients receiving intravenous tissue plasminogen activator (tPA) during the hospital stay who have a time from hospital arrival to initiation of thrombolytic therapy administration (door-to-needle time). AHASTR11

Stroke Quality Measures (continued)

AT OR BY DISCHARGE

- Percent of ischemic stroke or TIA patients with a documented lipid profile. AHASTR9
- Percent of patients with stroke who were assessed for rehabilitation services. AHASTR11
- Percent of patients with stroke or TIA or their caregivers who were given education and/or educational materials during the hospital stay addressing all of the following: personal risk factors for stroke, warning signs for stroke, activation of emergency medical system, need for follow up after discharge and medications prescribed. AHASTR12

Stroke Reporting Measures:

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- Percent of eligible acute ischemic stroke patients who arrived within four hours of last known well not treated with IV thrombolytic at your hospital who had reasons for not receiving IV thrombolytic. AHASTR15
- Percent of ischemic stroke patients with bleeding complications to thrombolytic therapy received at your hospital. AHASTR46
- Patients with ischemic stroke grouped by type and location of thrombolytic therapy. AHASTR47
- Percent of acute ischemic stroke patients receiving intravenous thrombolytic therapy during the hospital stay who have a time from hospital arrival to initiation of thrombolytic therapy administration of 30 minutes or less. AHASTR48
- Percent of acute ischemic stroke patients receiving intravenous thrombolytic therapy during the hospital stay who have a time from hospital arrival to initiation of thrombolytic therapy administration of 45 minutes or less. AHASTR49
- Ischemic stroke patients treated at my hospital grouped by time from hospital arrival to initiation of thrombolytic therapy administration. AHASTR50

AT OR BY DISCHARGE

- Rate of prescription of different types of antihypertensive medications at discharge for ischemic stroke or TIA patients. AHASTR17
- Patients grouped by antithrombotic medication prescribed at discharge. AHASTR18
- Percent of patients who have diabetes mellitus or are taking diabetic medication prior to admission who are discharged on diabetic medication. AHASTR22
- Percent of diabetic patients or newly diagnosed diabetics receiving diabetes treatment in the form of glycemic control (diet or medication) or follow-up appointment for diabetes management scheduled at discharge. AHASTR21
- Percent of diabetic patients or newly diagnosed diabetics receiving diabetes treatment in the form of glycemic control (diet or medication) or follow-up appointment for diabetes management scheduled at discharge. AHASTR130
- Percentage of patients with stroke or TIA discharged from your facility who had documentation of a standardized health-related social needs form or assessment completed during admission. AHASTR243
- Patients grouped by Modified Rankin Scale at discharge. AHASTR37
- Patients who were given smoking cessation advice or counseling during the hospital stay grouped by smoking cessation therapies provided. AHASTR44
- Percent of ischemic stroke or TIA patients who are discharged on statin medication initial patient population. AHASTR45
- Percent of ischemic stroke or TIA patients with body mass index (BMI) $\geq 25 \text{ kg/m}^2$ who receive recommendations at discharge for reducing weight and/or increasing activity. AHASTR51

STROKE DESCRIPTIVE MEASURES

- Patients grouped by age. AHASTR52
- Patients grouped by final clinical diagnosis related to stroke. AHASTR53
- Dysphagia screening results | patients grouped by dysphagia screening results. AHASTR54
- Percent of female, male and unknown patients. AHASTR55
- Patients grouped by initial exam findings. AHASTR56
- LOS grouped by diagnosis. AHASTR57
- A histogram of previously known medical history. AHASTR58
- Patients grouped by race and Hispanic ethnicity. AHASTR59
- A ratio comparing the actual in-hospital mortality rate to the risk-adjusted expected mortality rate. A ratio equal to 1 is interpreted as no difference between the hospital's mortality rate and the expected rate. A ratio greater than 1 indicates that the hospital's mortality rate is higher than the expected rate. A ratio of less than 1 indicates that the hospital's mortality rate is lower than the expected rate. AHASTR60
- A ratio comparing the actual in-hospital mortality rate to the risk-adjusted expected mortality rate. A ratio equal to 1 is interpreted as no difference between the hospital's mortality rate and the expected rate. A ratio greater than 1 indicates that the hospital's mortality rate is higher than the expected rate. A ratio of less than 1 indicates that the hospital's mortality rate is lower than the expected rate. AHASTR61
- TIA patients grouped by symptom duration. AHASTR62

INTRACEREBRAL HEMORRHAGE (ICH) MEASURES

- Percentage of patients with ICH who are admitted to an intensive care unit or dedicated stroke unit with physician and nursing neuroscience acute care expertise. AHASTR155
- Percentage of patients with life-threatening ICH who are taking rivaroxaban, apixaban or dabigatran prior to arrival and who are treated with the appropriate reversal agent within 90 minutes of arrival. AHASTR296
- Patients with ICH who received anticoagulant reversal grouped by agent administered. AHASTR299
- Percentage of patients with ICH who were assessed for, or who received, rehabilitation services. AHASTR156
- Percentage of patients with ICH who do not receive corticosteroids for elevated intracranial pressure or brain edema during acute hospitalization. AHASTR157
- Percentage of patients with ICH in whom a baseline severity score is measured and a total score recorded as part of initial evaluation on arrival at the hospital. AHASTR158
- Percentage of patients with ICH who are prescribed an antihypertensive medication or who have a documented blood pressure off medications less than 130±80mm Hg at the time of hospital discharge. AHASTR159
- Percentage of patients with ICH and an International Normalized Ratio ≥1.4 resulting from warfarin treatment who receive therapy to replace vitamin K dependent clotting factors within 90 minutes of ED presentation and who also receive IV vitamin K. AHASTR160
- Percentage of patients with ICH for whom there is documentation that a dysphagia screening was performed within 24 hours of admission using a dysphagia screening tool approved by the institution in which the patient is receiving care. AHASTR161
- Histogram of patient records missing one or more of the times required to calculate ICH measures. AHASTR162
- Percentage of patients with ICH who were documented to have passed the most recent dysphagia screen before oral intake of fluids, nutrition or medications. AHASTR163
- Patients with ICH grouped by reason for not administering an anticoagulant reversal agent. AHASTR300
- Patients with ICH who received anticoagulant reversal grouped by time from arrival to administration. AHASTR301
- Percentage of patients with ICH who receive lower limb pneumatic compression on hospital day 0 or 1. AHASTR164
- Percentage of patients with intracerebral hemorrhage being treated with an antiplatelet who do not undergo intracranial surgery who are administered a platelet transfusion within 48 hours of arrival. AHASTR308
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TARGET: STROKESM Measures:

- Patients grouped by diagnosis. AHASTR53
- Histogram of the various thrombolytic therapies. AHASTR47
- 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 of 60 minutes or less. AHASTR13
- 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 of 45 minutes or less. AHASTR49
- Percent of acute ischemic stroke patients who arrive at the hospital within 120 minutes of time last known well and for whom thrombolytic therapy was initiated at this hospital within 180 minutes of time last known well. AHASTR30
- Time from hospital arrival to initiation of thrombolytic therapy administration for ischemic stroke patients treated at my hospitals. AHASTR50

Rural Recognition Measures:

ACUTE

- Proportion of performance opportunities that were met among eligible opportunities for the 10 individual component measures. AHASTR304
- Percent of patients who receive brain imaging within 25 minutes of arrival. AHASTR304
- Percentage of confirmed stroke patients for whom a time last known well or time of discovery of stroke symptoms was documented. AHASTR304
- Percentage of confirmed ischemic stroke patients for whom 90 minutes was spent in the ED prior to transfer to a higher-level stroke center (e.g., PSC, CSC, etc.) for time-critical therapy. AHASTR304
- Percent of stroke patients who undergo screening for dysphagia with an evidence-based bedside testing protocol approved by the hospital before being given any food, fluids or medication by mouth. AHASTR304
- Percent of acute ischemic stroke patients who arrive at the hospital within 210 minutes of time last known well and for whom IV thrombolytic was initiated at this hospital within 270 minutes of time last known well. AHASTR304
- Percent of ischemic stroke and stroke not otherwise specified patients with a score reported for NIH Stroke Scale at initial evaluation. AHASTR304
- Documentation of CT or MRI brain imaging interpretation within 45 minutes of presentation. AHASTR304
- Percent of patients who had advanced notification to the hospital provided by EMS. AHASTR304
- Percentage of stroke patients who received a telestroke consult. AHASTR307
- Percent of acute ischemic stroke patients receiving thrombolytic therapy during the hospital stay or initiation within 45 minutes of presentation. AHASTR304

