

Metrics for Measuring Quality of Care in Comprehensive Stroke Centers: Detailed Follow-Up to Brain Attack Coalition Comprehensive Stroke Center Recommendations

A Statement by the American Heart Association/American Stroke Association (2011)
Endorsed by the Society of Vascular and Interventional Neurology

Metrics pertaining to Acute Ischemic Stroke

Metric 1: Percentage of patients who have an ischemic stroke or who have a TIA with a deficit at the time of the initial admitting note or neurology consultation note for whom an NIHSS score is documented

Core Metric: Yes

Application: Ischemic stroke, TIA

Metric 2: Percentage of ischemic stroke patients eligible for intravenous thrombolysis who receive it within the appropriate time window

Core Metric: Yes

Application: Ischemic stroke seen within 4.5 hrs. of patient last being seen at baseline

Metric 3: Percentage of patients who are treated for acute ischemic stroke with intravenous thrombolysis whose treatment is started ≤ 60 minutes after arrival

Core Metric: Yes

Application: Ischemic stroke treated with intravenous thrombolysis

Metric 4: Median time from arrival to start of multimodal CT or MR brain and vascular imaging (MRI/MRA or CT/CTA) for ischemic stroke patients arriving within 6 hours of the time that they were last known to be at baseline, if 1 of these studies is ordered

Core Metric: Yes

Application: Ischemic stroke seen within 6 hrs. of patient last being known to be at baseline

Metric 5: Percentage of ischemic stroke patients seen within 6 hrs. of the time they were last known to be at baseline who have documentation that an endovascular recanalization not to be appropriate or possible. A reason should be documented if an endovascular procedure was not performed.

Core Metric: No

Application: Ischemic stroke seen within 6 hrs. of patient last being known to be at baseline

Metric 6: Median time from arrival to start of treatment for acute ischemic stroke patients undergoing an endovascular intervention

Core Metric: No

Application: Ischemic stroke treated with endovascular intervention

Metric 7: Percentage of patients treated with intravenous thrombolysis who have a symptomatic intracranial hemorrhage within 36 hours of treatment

Core Metric: Yes

Application: Ischemic stroke treated with intravenous thrombolysis

Metric 8: Percentage of acute ischemic stroke patients treated with endovascular interventions who develop significant intracranial hemorrhage within 36 hours of treatment

Core Metric: Yes

Application: Ischemic stroke treated with endovascular intervention

Metric 9: Percentage of acute ischemic stroke patients who are treated with intravenous thrombolysis or who undergo endovascular interventions for whom there is documentation of a 90-day mRS score

Core Metric: Yes

Application: Ischemic stroke treated with intravenous thrombolysis or endovascular procedure