



Clinical IS Update

Topic: Adult Stroke IV Alteplase Screening Checklist PowerForm Now Available

Facility: IU Health and Union Health Emergency Department, Inpatient, and Neurology Settings

Audience: Providers

Effective Date
November 15, 2020

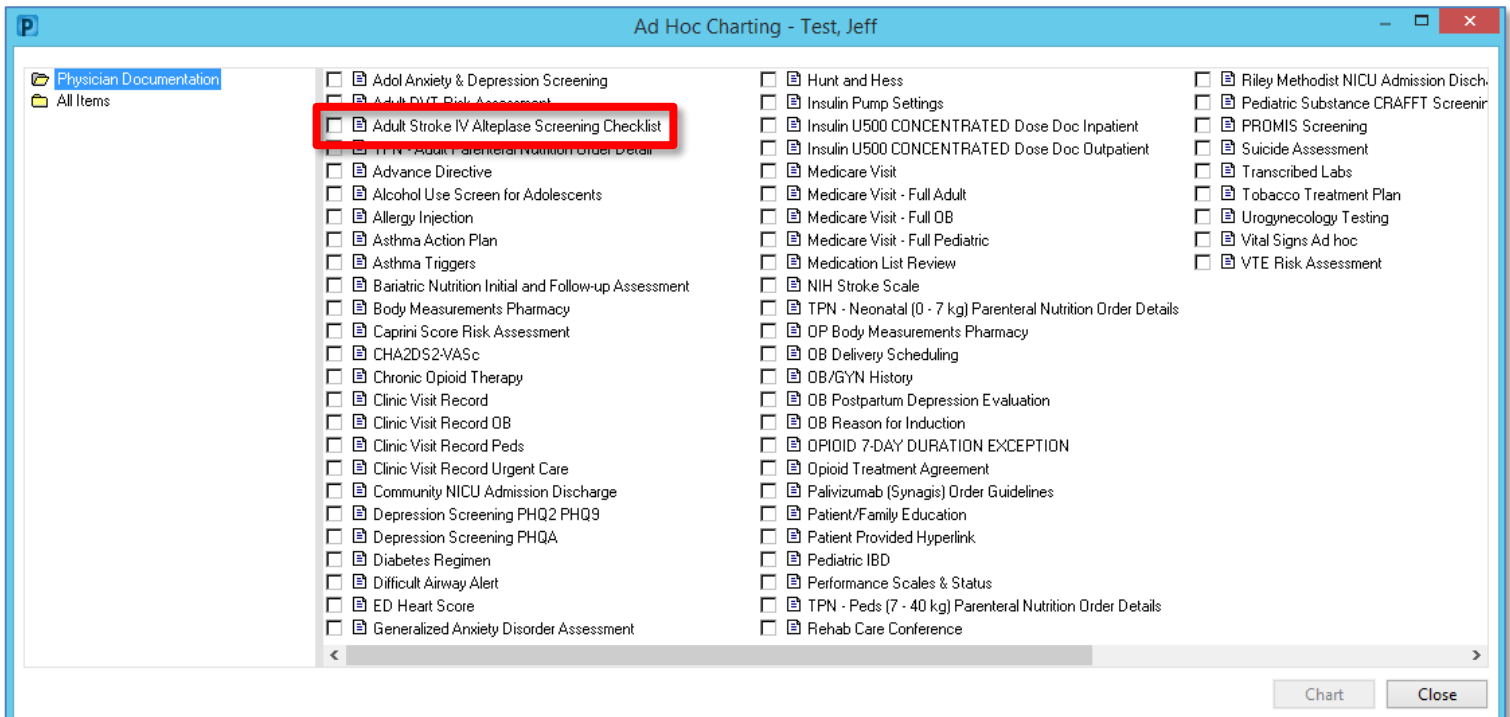
Contact
IU Health Help Desk
helpdesk@iuhealth.org

What: This document reviews the new Adult Stroke IV Alteplase Checklist PowerForm that may be easily accessed by Neurologists, Emergency Department (ED) Providers, and inpatient (IP) Hospitalists needing to document the criteria for Alteplase administration for stroke.

Why: Alteplase (tPA) is a high risk medication and the decision on whether or not to administer it has to be made quickly. There are a number of inclusion and exclusion criteria that should be reviewed and documented on every patient that is being considered for this therapy. This criteria has previously been documented on paper but IU Health has influenced Cerner Model build of a new Power Form to replace the paper process.

Access the tPA Screening Checklist PowerForm

The new **Adult Stroke IV Alteplase Screening Checklist** PowerForm is available within the **Physician Documentation Ad Hoc** folder.



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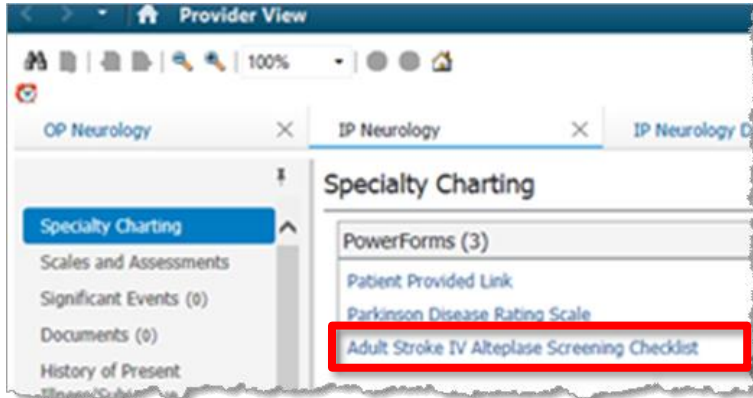


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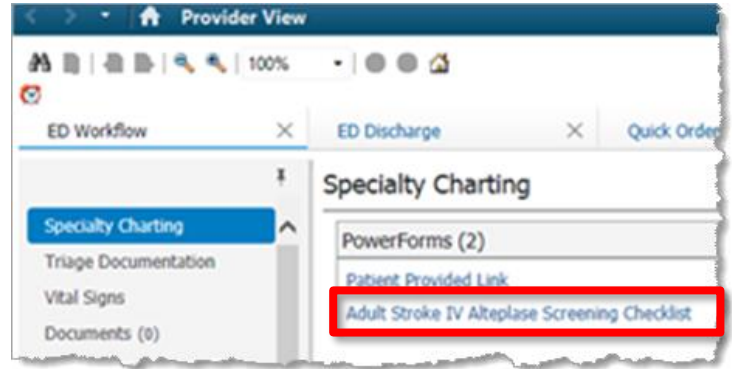
Access the tPA Screening Checklist PowerForm (continued)

The new PowerForm is also available from the **Specialty Charting** component of the **IP Neurology**, **ED Workflow**, and **IP Hospitalist Provider View** workflow pages.

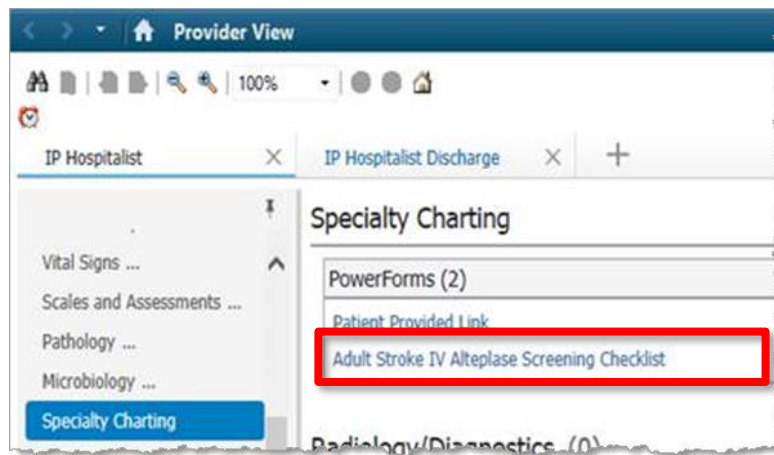
IP Neurology



ED Workflow



IP Hospitalist



Complete the tPA Screening Checklist PowerForm

Step	Action
1	Navigate to one of the following locations in Cerner: A. Physician Documentation folder within AdHoc OR B. Provider View Workflow MPage
2	Click and open the new Adult Stroke IV Alteplase Screening Checklist PowerForm. <i>The PowerForm displays defaulted to the Screening Vitals page.</i>

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Complete the tPA Screening Checklist PowerForm (continued)

Step

Action

3 Document the patient's **Vitals/Height and Weight** on the **Screening Vitals** page.

Vitals/Height and Weight

Diagnosis of ischemic stroke causing measurable neurological deficit
 Yes No

Onset of symptoms <4.5 hours before treatment begins
 Yes No

Height/Length in cm ^ cm Weight in (kg) ^ kg Weight Method Oxygen Saturation %

Systolic BP mmHg / Diastolic BP mmHg Mean Arterial Pressure

Method Site Position

Blood Glucose Assessed Yes No INR Assessed Yes No PTT Assessed Yes No Platelet Count Assessed Yes No

Be alert to BS <50 Be alert to Platelet Count < 100,000, INR > 1.7 or PT > 15 sec

Time of symptom onset Time of ED Arrival NIHSS Completed Yes No

4 Click the **Screening Checklist** page.

5 Complete the fields on the **Screening Checklist** page.

Considerations for Treatment with Intravenous Alteplase

Major surgery or serious trauma in past 2 weeks Yes No

Current intracranial hemorrhage Yes No
(sudden severe headache, "worst headache of life")

Symptoms suggestive of subarachnoid hemorrhage Yes No

Acute bleeding diathesis Yes No

Patient on heparin, heparinoids, or low molecular weight heparin Yes No

Patient on warfarin or novel anticoagulants such as dabigatran, rivaroxaban, apixaban Yes No

Neurologic signs and symptoms have returned to baseline Yes No

Hypertension currently Yes No
(e.g. systolic blood pressure greater than 185mmHg or diastolic blood pressure greater than 110mmHg)

Active internal bleeding Yes No

Stroke in past 3 months Yes No

CT demonstrates multilobar infarction or extensive hypodensity Yes No

Other Potential Relative Considerations

Significant head trauma in past 3 months Yes No

History of previous intracranial hemorrhage Yes No

GI or GU bleeding in past 3 weeks Yes No

Myocardial infarction in past 3 months Yes No

Intracranial neoplasm, arteriovenous malformation, or aneurysm Yes No

Recent intracranial or intraspinal surgery Yes No

Seizure with symptoms that suggest postictal phenomenon Yes No

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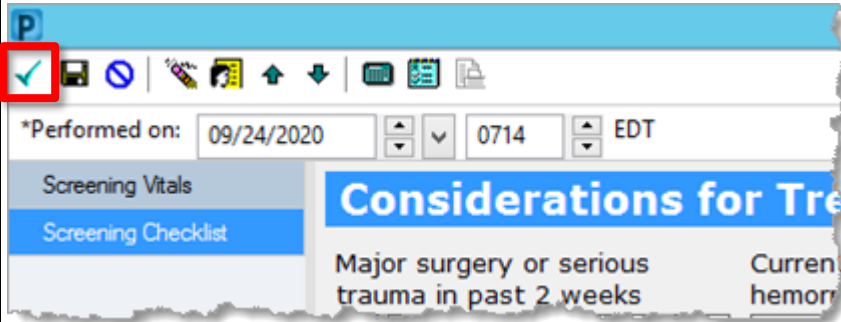
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Complete the tPA Screening Checklist PowerForm (continued)

Step

Action

6 Click the **green check mark** in the upper left corner to sign the PowerForm.



Once completed, the Form may be viewed or modified from the Forms band located in the Cerner Table of Contents.

