

GWTG – Stroke Updates

Release Date: April 20th, 2024
Impacted Users: All GWTG-Stroke Users

Summary of changes in this release:

Enhancements

- **Stroke Form Updates**
 - Addition of 'Complications of IV Thrombolytic Therapy' and 'Complications of IA Thrombolytic Therapy or MER'
 - Retiring of 'Complications of Reperfusion Therapy (Thrombolytic or MER)'
 - Addition of several elements to the EVT Layer, in the Complications section of the Advanced Stroke Care tab
 - Update to label and response options for '^Results of positive brain image'
- **Configurable Measure Report Updates**
 - Logic and description updates to AHASTR20 and AHASTR46
 - New measures in ASCVD Measures bundle: AHASTR311: Lipoprotein-A Measurement Obtained, AHASTR312: Lipoprotein-A Levels, AHASTR313: Lipoprotein-A Treatment Plan
- **Additional Report Updates**
 - Logic updates to FSR6 and FSR11 in Florida Stroke Registry Advanced Analytics
 - New Lipid Assessment List

Additional Updates

- **Coding Instructions manual updates**
 - Coding instruction updates as summarized in the Coding Instruction manual's "Summary of Changes"
- **Measure Description updates**
 - Reporting and ASCVD Measure Description documents updated



Details related to the above updates:

Stroke Form Updates:

Addition of ‘Complications of IV Thrombolytic Therapy’ and ‘Complications of IA Thrombolytic Therapy or MER’

‘Complications of IV Thrombolytic Therapy’ and ‘Complications of IA Thrombolytic Therapy or MER’ have been added to the Hospitalization tab.

IV THROMBOLYTIC THERAPY

IV thrombolytic initiated at this hospital? Yes No

‘Complications of IV Thrombolytic Therapy’ will show and be required if IV thrombolytics at your hospital or outside hospital

COMPLICATIONS OF REPERFUSION THERAPY

Complications of IV Thrombolytic Therapy Symptomatic intracranial hemorrhage <36 hours
 Other serious complication
 Life threatening, serious systemic hemorrhage <36 hours
 No serious complications
 UTD

QSTRK0363
Complications of IV Thrombolytic Therapy
* Please enter a value for Complications of IV Thrombolytic Therapy.
FCSTRK1578
Patient NPO throughout the entire hospital stay?
* Was the patient NPO throughout the entire hospital stay?

‘Complications of IA Thrombolytic Therapy or MER’ will show and be required if catheter-based stroke treatment at your hospital or outside hospital

Catheter-based stroke treatment at this hospital? Yes No

Complications of IA Thrombolytic Therapy or MER Symptomatic intracranial hemorrhage with ≥ 4 point increase in NIHSS < 36 hours since the onset of treatment
 Access site complication
 Other serious complication
 No serious complications
 UTD

QSTRK0363
Complications of IA Thrombolytic Therapy or MER
* Please enter a value for Complications of IA Thrombolytic Therapy or MER.
FCSTRK1582
Patient NPO throughout the entire hospital stay?

Retiring of ‘Complications of Reperfusion Therapy (Thrombolytic or MER)’

‘Complications of Reperfusion Therapy (Thrombolytic or MER)’ (Hospitalization Tab) has been retired. On records entered prior to the release with data abstracted in the retired element, abstraction on the retired element will be retained and editable.

Records entered after the release, and records entered prior to the release but without data abstracted in the retired element, will not have the retired element available.

Records entered before the release:

Complications of Reperfusion Therapy (Thrombolytic or MER) (Retired): Symptomatic intracranial hemorrhage <36 hours
 Other serious complication
 Life threatening, serious systemic hemorrhage <36 hours
 No serious complications
 UTD

Complications of IV Thrombolytic Therapy Symptomatic intracranial hemorrhage <36 hours
 Other serious complication
 Life threatening, serious systemic hemorrhage <36 hours
 No serious complications
 UTD

Records entered after the release (or entered prior to the release but without data abstracted in the retired element):

Complications of IV Thrombolytic Therapy ?	<input type="checkbox"/> Symptomatic intracranial hemorrhage <36 hours <input type="checkbox"/> Other serious complication <input type="checkbox"/> Life threatening, serious systemic hemorrhage <36 hours <input checked="" type="checkbox"/> No serious complications <input type="checkbox"/> UTD
Complications of IA Thrombolytic Therapy or MER ?	<input type="checkbox"/> Symptomatic intracranial hemorrhage with ≥ 4 point increase in NIHSS < 36 hours since the onset of treatment <input type="checkbox"/> Access site complication <input type="checkbox"/> Other serious complication <input checked="" type="checkbox"/> No serious complications <input type="checkbox"/> UTD

Addition of several elements to the EVT Layer, in the Complications section of the Advanced Stroke Care tab

The following elements (Advanced Stroke Care tab) have been added to the EVT Layer. These elements are already available on the CSTK Layer, so the addition of the new elements only impacts sites with the EVT Layer enabled without the CSTK Layer.

Complications

^Was there a positive finding on brain imaging of parenchymal hematoma, subarachnoid hemorrhage, and/or intraventricular hemorrhage following IV or IA alteplase therapy, or mechanical endovascular reperfusion therapy initiation? ?
 Yes No

^Date/Time of positive brain image: ?

MM / DD / YYYY HH : MM

^What is the last NIHSS score documented prior to initiation of IV alteplase at this hospital? ?

^What is the highest NIHSS score documented within 36 hours following initiation of IV alteplase? ?

Highest NIHSS Score Documented Within 36 Hours Following IV Alteplase Initiation - UTD ?

^What is the last NIHSS score documented prior to initiation of IA alteplase or MER at this hospital? ?

^What is the highest NIHSS score documented within 36 hours following IA alteplase or MER initiation? ?

Highest NIHSS Score Documented Within 36 Hours Following IA Alteplase or MER Initiation - UTD ?

Update to label and response options for '^Results of positive brain image'

The following updates have been made to '^Results of positive brain image':

- Relabeled to '^Results of abnormal brain image'
- PH1 (Parenchymal Hematoma Type 1), HI1 (Hemorrhagic Infarction 1), and HI2 (Hemorrhagic Infarction 2) added as new response options
- "Other positive finding not listed above" response replaced with "Other intracranial hemorrhage finding not listed above"

Before:

^^Results of positive brain image ⓘ

- PH2 (Parenchymal Hematoma Type 2)
- IVH (Intraventricular Hemorrhage)
- SAH (Subarachnoid Hemorrhage)
- RIH (Remote site of intraparenchymal hemorrhage outside the area of infarction)
- Other positive finding not listed above
- Not documented

After:

^^Results of abnormal brain image ⓘ

- PH1 (Parenchymal Hematoma Type 1)
- PH2 (Parenchymal Hematoma Type 2)
- IVH (Intraventricular Hemorrhage)
- SAH (Subarachnoid Hemorrhage)
- RIH (Remote site of intraparenchymal hemorrhage outside the area of infarction)
- HI1 (Hemorrhagic Infarction 1)
- HI2 (Hemorrhagic Infarction 2)
- Other intracranial hemorrhage finding not listed above
- Not documented

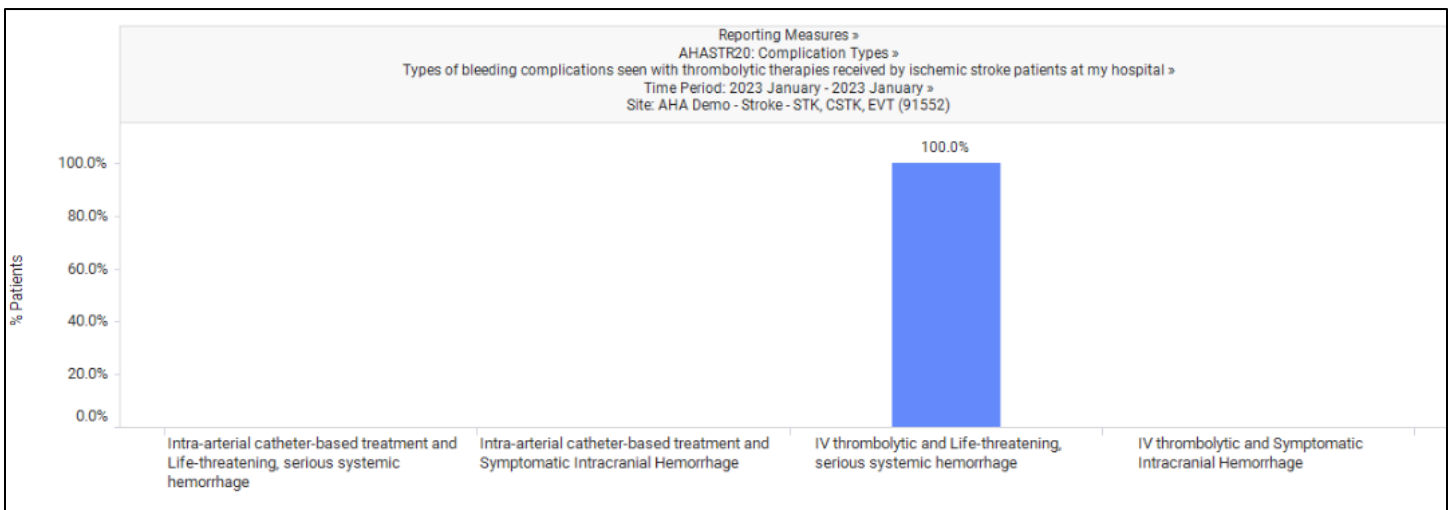
Configurable Measure Report Updates:

Logic and description updates to AHASTR20 and AHASTR46

The following updates have been made to AHASTR20: Complication Types:

- Updated measure description text
- Addition of new elements 'Complications of IV Thrombolytic Therapy' and 'Complications of IA Thrombolytic Therapy or MER' to denominator logic to establish patients who experienced a complication based on the existing retired element or the new split elements
- Addition of new elements 'Complications of IV Thrombolytic Therapy' and 'Complications of IA Thrombolytic Therapy or MER' to numerator groups logic to evaluate complication types based on the existing retired element or the new split elements
- New numerator group to capture IA catheter-based treatment and access site complication

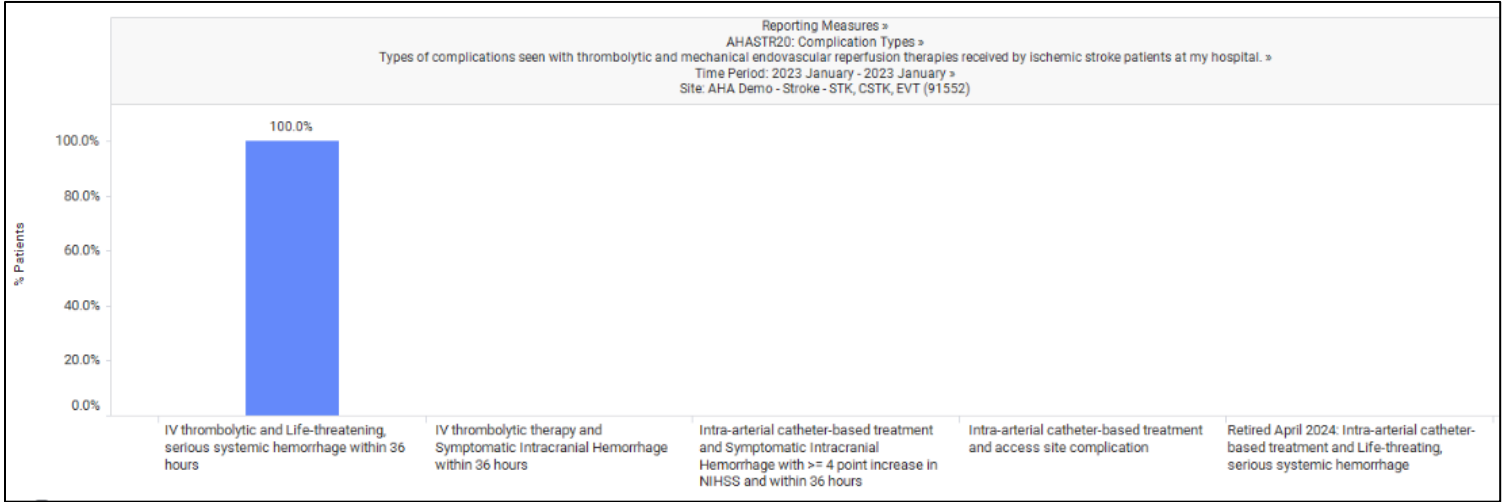
Before:



Case List - AHASTR20: Complication Types

Patient ID	Age	Denominator	Exclusion	Numerator	Exception	Category	Discharge Date/Time	Catheter-based stroke treatment at this hospital?	IV thrombolytic initiated at this hospital?	Complications of Reperfusion Therapy (Thrombolytic or MER):
Test CSTK 5	78	X		X		IV thrombolytic and Life-threatening, serious	01/03/2023 15:00	No	Yes	[Life threatening, serious systemic hemorrhage

After:



Case List - AHASTR20: Complication Types

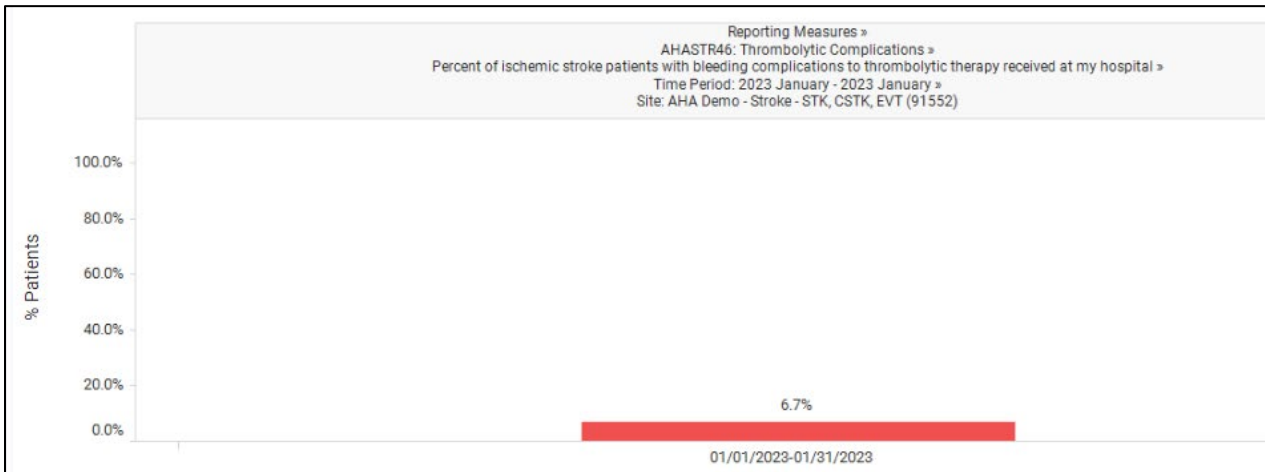
Patient ID	Age	Denominator	Exclusion	Numerator	Exception	Category	Discharge Date/Time	Catheter-based stroke treatment at this hospital?	IV thrombolytic initiated at this hospital?	Complications of Reperfusion Therapy (Thrombolytic or MER) (Retired):	Complications of IV Thrombolytic Therapy	Complications of IA Thrombolytic Therapy or MER
Testcomp	78	X		X		IV thrombolytic and Life-threatening, serious	01/03/2023 15:00	No	Yes	[Life threatening, serious systemic hemorrhage		
test_02202023_z	52						01/30/2023 12:00	Yes				
2587094	45						01/16/2023 13:24	Yes	No			

Retired and new elements evaluated

The following updates have been made to AHASTR46: Thrombolytic or Endovascular Complications

- Updated measure name and description text
- Addition of new elements 'Complications of IV Thrombolytic Therapy' and 'Complications of IA Thrombolytic Therapy or MER' to numerator logic to evaluate presence of complications based on the existing retired element or the new split elements

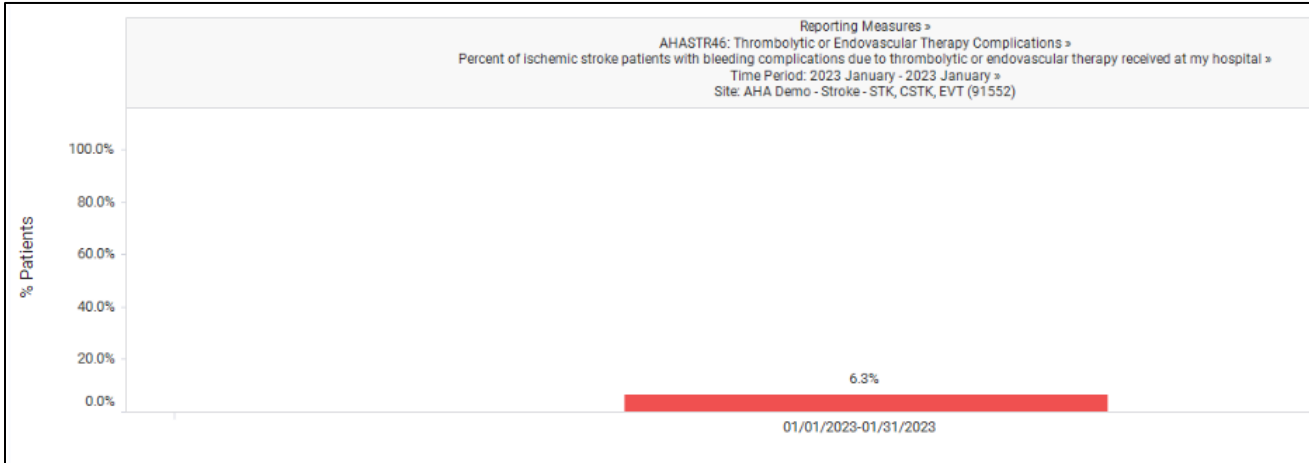
Before:



Case List - AHASTR46: Thrombolytic Complications

Patient ID	Age:	Denominator	Exclusion	Numerator	Exception	Discharge Date/Time	Complications of Reperfusion Therapy (Thrombolytic or MER): [Life threatening, serious systemic hemorrhage ...	Catheter-based stroke treatment at this hospital?	IV thrombolytic initiated at this hospital?
Test CSTK 5	78	X		X		01/03/2023 15:00		No	Yes
caduet	42					01/01/2023 12:00			
Test_03013	80					01/09/2023 14:13		No	No

After:



Case List - AHASTR46: Thrombolytic or Endovascular Therapy Complications

Patient ID	Access Case	Age:	Denominator	Exclusion	Numerator	Exception	Discharge Date/Time	Complications of Reperfusion Therapy (Thrombolytic or MER) (Retired): [Life threatening, serious systemic hemorrhage ...	Complications of IV Thrombolytic Therapy	Complications of IA Thrombolytic Therapy or MER	Catheter-based stroke treatment at this hospital?	IV thrombolytic initiated at this hospital?
Testcomp	https://aha-hofw2.info@ahajournals.org	78	X		X		01/03/2023 15:00				No	Yes
Test_09030	https://aha-hofw2.info@ahajournals.org	85					01/13/2023 14:19				No	No
Test_09000	https://aha-hofw2.info@ahajournals.org	72					01/14/2023 12:50				No	No

Retired and new elements evaluated

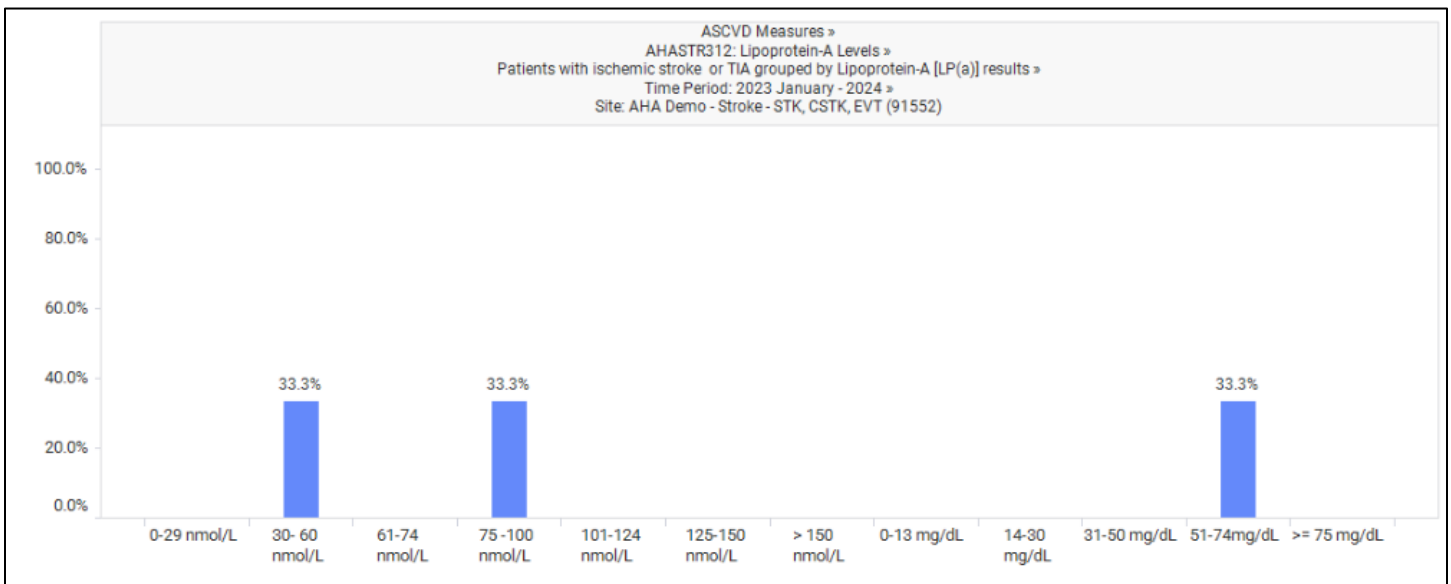
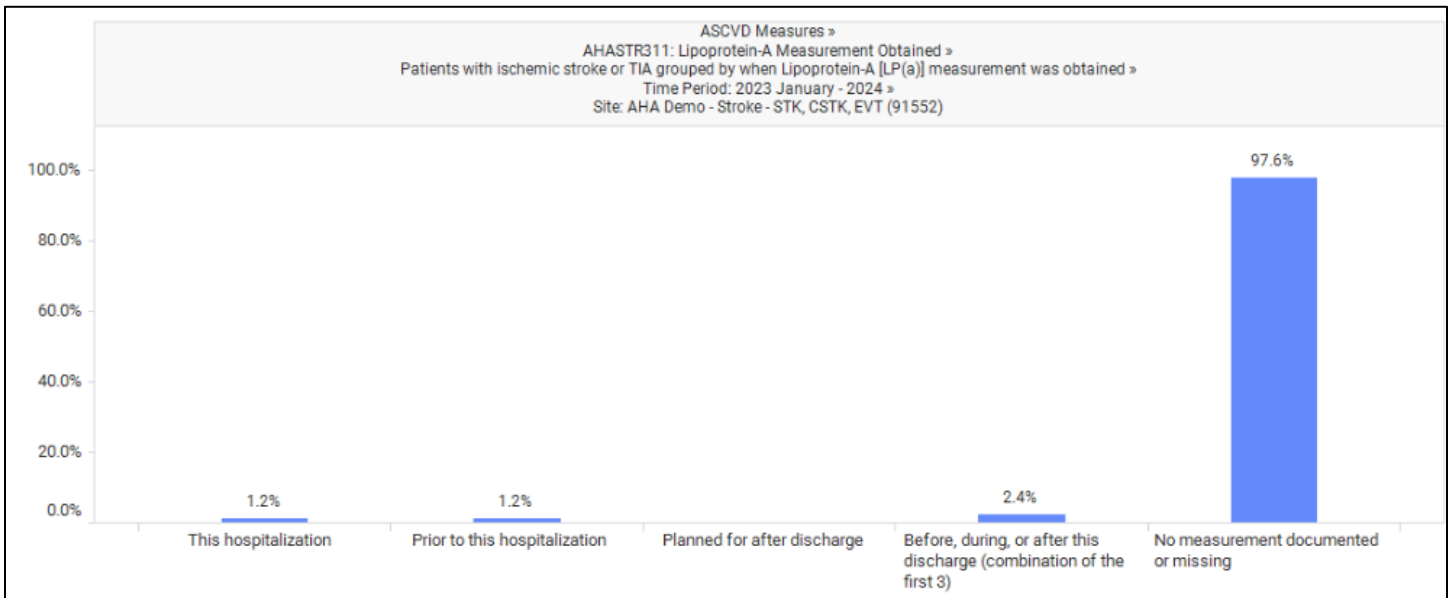
New measures in ASCVD Measures bundle: AHASTR311: Lipoprotein-A Measurement Obtained, AHASTR312: Lipoprotein-A Levels, AHASTR313: Lipoprotein-A Treatment Plan

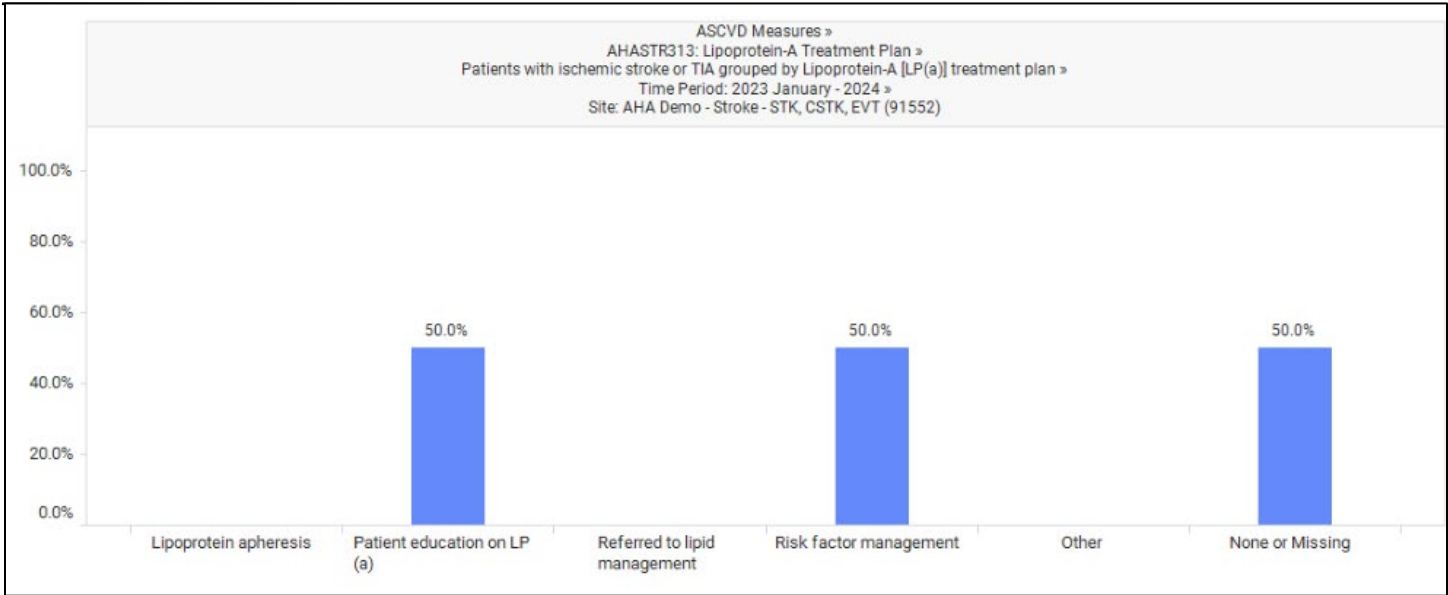
An ASCVD Measures bundle has been made available to all sites, with new descriptive measures:

- AHASTR311: Lipoprotein-A Measurement Obtained (Patients with ischemic stroke or TIA grouped by when Lipoprotein-A measurement was obtained)
- AHASTR312: Lipoprotein-A Levels (Patients with ischemic stroke or TIA grouped by Lipoprotein-A results)
- AHASTR313: Lipoprotein-A Treatment Plan (Patients with ischemic stroke or TIA grouped by Lipoprotein-A treatment plan)



- Comprehensive Stroke (GWTG) Measures
- STK-OP Measures
- Endovascular Therapy (EVT) Measures
- Pre-hospital Care Measures
- Telestroke Measures
- ASCVD Measures
 - AHASTR312: Lipoprotein-A Levels
 - AHASTR311: Lipoprotein-A Measurement Obtained
 - AHASTR313: Lipoprotein-A Treatment Plan
- Composite Measures
- Defect Free Measures





Additional Report Updates:

Logic updates to FSR6 and FSR11 in Florida Stroke Registry Advanced Analytics

The numerator logic of FSR6 and FSR11 have been updated to assess complications on the retired element for existing records, or on new elements for records created after the release.

Parameters

Reporting Period: From:

Aggregate Data

Measures:

- Mission: Lifeline Regional Report
- GWTG-Advanced Analytics
- Florida Stroke Registry

- FSR6: Percent Symptomatic Intracranial Hemorrhage (sICH) Within hrs After IVT
- FSR11: Percent Symptomatic Intracranial Hemorrhage (sICH) Within 36 hrs After EVT

New Lipid Assessment List

A new patient list report is available in the Time Tracker Report section, with elements selectable to include in a patient list focused on lp(a) and lipid management.



- Lipid Assessment List
 - Cholesterol Reducer
 - Cholesterol-Reducer type prior to admission (select all that apply)
 - Final clinical diagnosis related to stroke
 - HDL
 - Hispanic Ethnicity
 - LDL
 - Lipids: NC
 - Lipids: ND
 - LP(a) Measurement Obtained
 - LP(a) ND
 - LP(a) Treatment Plan
 - LP(a) Unit
 - LP(a) Value
 - No Med History
 - Previously known medical hx of:
 - Race
 - Sex
 - Total Cholesterol
 - Triglycerides

Time Tracker Report
Report Status: Data Download Complete

Patient ID	Final clinical ...	Race:	Hispanic Ethnicity:	Sex:	LP(a) measurement obtained	LP(a) Value:	LP(a) Unit:	Total Cholest...	Triglycerides:	HDL:	LDL:
KT_Test	Ischemic Stroke				This hospitalization	91	nmol/L				
2024_039	Ischemic Stroke	["White"]	No/UTD	Female	This hospitalization	60	nmol/L	169	99	59	94
2024_033	Ischemic Stroke	["White"]	No/UTD	Female	Prior to this hospitalization	55	mg/dl	123	143	39	55
comp4	Ischemic Stroke										
evtcstktest	Ischemic Stroke	["American Indian/Alaska ...	No/UTD	Male							
64562382											
2024_031	Ischemic Stroke	["Black or African America...	No/UTD	Male				97	46	46	42