STROKE VALIDATION FOCUSED STUDY

VHA EPRP
FY2018

STUDY PURPOSE

❑ **Validate data elements for three electronic Stroke measures:**

- **STK2 – Discharged on Antithrombotic Therapy**
- **STK3 – Anticoagulation Therapy on Discharge for Atrial Fibrillation/Flutter**
- **STK6 Discharged on Statin Therapy**

DATA ELEMENTS

❑ **Various familiar data elements**

- **admdt**
- **dcdate**
- **princode**
- **dcdispo**
- **cmo (comfort)**
- **clntrial**
- **ldlc**
- **statindc**
- **nostatin**
- **dcanthrm**
- **ynoanthrm**
- **anticoag**
- **nocoag**

DATA ELEMENTS

❑ **New data elements to validate prepopulated data supplied by VHA**

❑ **New data elements to validate location of data elements in record**

IMPORTANT

For ANY review/focused study:

❑ The VHA regards us as abstraction experts

❑ Please read the questions carefully, review all appropriate data sources, and enter data accurately

❑ The abstracted data will be compared with the data captured electronically

❑ Measures will be scored based on abstracted data

❑ DACs and Exit Reports - no formal Exit Conference

REVIEW OF QUESTIONS

Q1 admdt - Prepopulated - can be modified

Q2 dcdate - Prepopulated - **Cannot** be modified

Q3 princode - Prepopulated - **Cannot** be modified

Q4 VPRINCODE - Validation Question

Is the diagnosis of ischemic stroke confirmed by physician documentation?
1. Yes
2. No - **if No, case is excluded**

If the physician documents a diagnosis of ischemic stroke in the discharge summary or elsewhere in the medical record and ischemic stroke is coded as the principal diagnosis, the diagnosis would be confirmed. Select "Yes". D/D Rules have other terms for ischemic stroke.

If documentation clearly indicates the stroke was a hemorrhagic stroke, select "No". D/D Rules have other terms for hemorrhagic stroke.

Quality Insights

Q5 DCDISPO - Prepopulated - Cannot be Modified
Q6 DCDISPOM - Validation question

Does the prepopulated discharge disposition (computer to display dcdispo value and description) match the discharge disposition documented in the medical record?
1. Yes
2. No

If yes, will go to vdcdispo to validate the location(s) of the discharge disposition documentation.

If no, will go to dcdispo2 and enter the discharge disposition documented in the medical record. (This is same question as in all inpatient instruments.)

Quality Insights

Q7 DCDISPO2

If you answered "no" to DCDISPOM (prepopulated dc disposition did not match what you found in record) you will answer this question:

Enter the patient's discharge disposition on the day of discharge documented in the medical record.

Same question as in all inpatient instruments.

Quality Insights

Q8 VDCDISPO - Validation Question

Quality Insights

Q9 ODCDISPO

If you answered "yes" to #10. Other in VDCDISPO, you will answer this question:

Enter the name of the other discharge disposition data source.

Quality Insights

Q10 CMO

During this hospitalization, is there documentation of Comfort Measures Only? (Similar to comfort question in other instruments.)
Review the medical record for documentation of each comfort measures only term and answer "yes" or "no" accordingly.

Quality Insights

Q11 OCMO

If you answered "yes" to #5. Other in CMO, you will answer this question:

Enter the other Comfort Measures Only term documented in the medical record.

Q12 VCMO & Q13 DTCMO - Validation Questions

Review the medical record for Comfort Measures Only (CMO) documentation and answer "yes" or "no" accordingly for each data source. For data sources that contain CMO documentation, enter the earliest date of the documentation in the data source.

Review the medical record for Comfort Measures Only (CMO) documentation and answer "yes" or "no" accordingly for each data source. For data sources that contain CMO documentation, enter the earliest date of the documentation in the data source. (VCMO)

CMO Data Source	1 Yes 2 No	CMO Date
1. Discharge summary		_/_/_
2. DNR/MOLST/POLST forms		_/_/_
3. Emergency department note		_/_/_
4. Physician orders		_/_/_
5. Progress notes		_/_/_
6. Other		_/_/_

Enter the name of the other CMO data source. (OLCMO)

Q14 OLCMO & Q15 CLNTRIAL
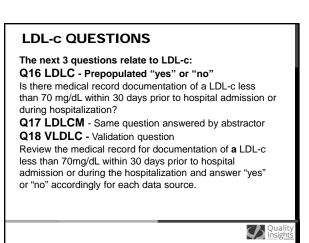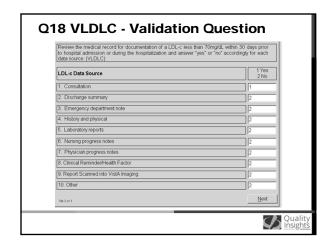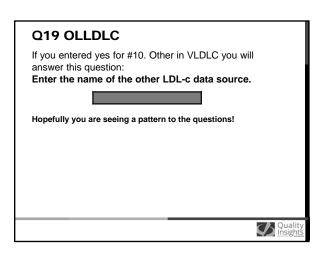
Q14 OLCMO
If you entered yes for #6 Other in VCMO, you will answer this question:
Enter the name of the other CMO data source.

Q15 CLNTRIAL (familiar question)
During this hospital stay, was the patient enrolled in a clinical trial in which patients with stroke were being studied?
1. Yes
2. No

LDL-c QUESTIONS

The next 3 questions relate to LDL-c:
Q16 LDLC - Prepopulated "yes" or "no"
Is there medical record documentation of a LDL-c less than 70 mg/dL within 30 days prior to hospital admission or during hospitalization?
Q17 LDLCM - Same question answered by abstractor
Q18 VLDLC - Validation question
Review the medical record for documentation of **a** LDL-c less than 70mg/dL within 30 days prior to hospital admission or during the hospitalization and answer "yes" or "no" accordingly for each data source.

Q18 VLDLC - Validation Question

Review the medical record for documentation of a LDL-c less than 70mg/dL within 30 days prior to hospital admission or during the hospitalization and answer "yes" or "no" accordingly for each data source. (VLDLC)

LDL-c Data Source	1 Yes 2 No
1. Consultation	1
2. Discharge summary	2
3. Emergency department note	2
4. History and physical	2
5. Laboratory reports	2
6. Nursing progress notes	2
7. Physician progress notes	2
8. Clinical Reminder/Health Factor	2
9. Report Scanned into VistA Imaging	2
10. Other	2

Tab 2 of 3   Next

Q19 OLLDLC

If you entered yes for #10. Other in VLDLC you will answer this question:
Enter the name of the other LDL-c data source.

Hopefully you are seeing a pattern to the questions!

Q20 through Q48

Questions 20 through 48 relate to the following medications:
- **statins**
- **antithrombotics**
- **anticoagulants**

For each category of medications you will have a similar set of questions. Let's follow the statin medication questions first.

STATIN MEDICATIONS

STATIN MEDICATIONS

Q20 STATINDC2 - Prepopulated "yes" or "no"
Was a statin medication prescribed at discharge?

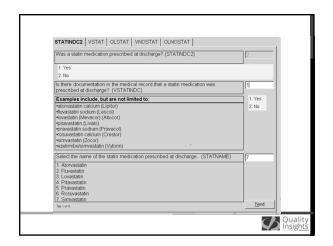**Q21 VSTATINDC** - Basically same question answered by abstractor.
Is there documentation in the medical record that a statin medication was prescribed at discharge? Yes or No (Examples listed.) If No, will go to nostatin2.

Q22 STATNAME
Select the name of the statin medication prescribed at discharge.

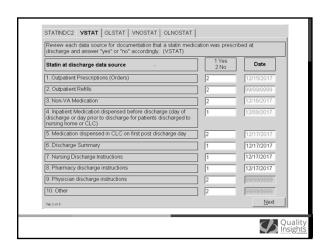

Q23 VSTAT & Q24 DTSTAT

Review each data source for documentation that a statin medication was prescribed at discharge and answer "yes" or "no" accordingly.

The computer will flag the data source and prepopulate the date for each data source 1 – 5 as applicable based on data from the Pull List.

For prepopulated date fields, the abstractor will review the data source for documentation that a statin medication was prescribed and answer "yes" or "no."

For date fields that are not prepopulated, the abstractor will review the data source for documentation that a statin medication was prescribed, answer "yes" or "no" and enter the date of the documentation.

Q25 OLSTAT

If you entered "Yes" for value 10 in VSTAT, you will answer this question:

Enter the other location where documentation of prescription of statin medication at discharge was found in the medical record.

Progress Note

Q26 NOSTATIN2

If there was no documentation of a statin prescribed (vstatindc = 2), you will answer a somewhat familiar question:

Is there physician/APN/PA or pharmacist documentation of a reason for not prescribing a statin medication at discharge?
1. Allergy to statin medication
2. Physician/APN/PA or pharmacist documentation of a reason for not prescribing a statin medication at discharge
95. Not applicable
98. Patient/family refusal
99. No documented reason

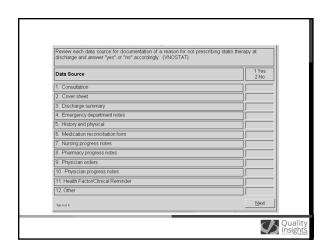Use your D/D rules to determine if there is documentation of a reason for not prescribing statin therapy at discharge.

Q27 VNOSTAT

If there was a documented reason for not prescribing a statin medication at discharge then you will answer the validation question:

Review each data source for documentation of a reason for not prescribing statin therapy at discharge and answer "yes" or "no" accordingly.

In order to answer this question accurately, it is necessary to review ALL relevant data sources for documentation of a reason for not prescribing a statin medication at discharge.

Review each data source for documentation of a reason for not prescribing statin therapy at discharge and answer "yes" or "no" accordingly. (VNOSTAT)

Data Source	1 Yes 2 No
1. Consultation	
2. Cover sheet	
3. Discharge summary	
4. Emergency department notes	
5. History and physical	
6. Medication reconciliation form	
7. Nursing progress notes	
8. Pharmacy progress notes	
9. Physician orders	
10. Physician progress notes	
11. Health Factor/Clinical Reminder	
12. Other	

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Q28 OLNOSTAT

If you entered "yes" for value 12 in VNOSTAT, you will answer:

Enter the other location where documentation of a reason for not prescribing statin therapy at discharge was found in the medical record.

ANTITHROMBOTIC MEDICATIONS

The questions for this category of medications follow the same pattern as the statin medication questions.

Q29 DCANTHRM2 - Prepopulated "yes" or "no" -
Q30 VDCANTHRM - Abstractor validates "yes" or "no"

Was an antithrombotic medication prescribed at discharge? (DCANTHRM2)

1. Yes
2. No

Is there documentation in the medical record that an antithrombotic medication was prescribed at discharge? (VDCANTHRM)

Examples of antithrombotic medications include, but are not limited to:
•aspirin (many brands)
•clopidogrel (Plavix)
•dabigatran (Pradaxa)
•enoxaparin (Lovenox)
•fondaparinux (Arixtra)
•heparin sodium IV
•rivaroxaban (Xarelto)
•warfarin (Coumadin)

1. Yes
2. No

Q31 WCHANTHRM

Which antithrombotic medication was prescribed at discharge? (WCHANTHRM)

Indicate all that apply:

ANTITHROM Meds

☑ 1. aspirin
☐ 2. clopidogrel
☐ 3. dabigatran
☐ 4. enoxaparin
☐ 5. fondaparinux
☐ 6. heparin sodium IV
☐ 7. rivaroxaban
☐ 8. warfarin
☐ 9. Other

Enter the name of the other antithrombotic medication prescribed at discharge. (OTHRANT2)

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Next

SPECIAL NOTES

You notice in WCHANTHRM it says:
Indicate all that apply:

This list of medications is not all inclusive.

If options are auto-filled, please review carefully to determine if other antithrombotic medications were prescribed at discharge.

Some medications used for antithrombotic therapy are also used for anticoagulant therapy.

ANTITHROMBOTIC MEDICATIONS

Q32 OTHRANT2 - If the antithrombotic medication was not one listed in wchanthrm, you will enter the name of the other antithrombotic medication prescribed at discharge.

Q33 VANTH and Q34 DTANTH - questions to validate the location and date of documentation that an antithrombotic was prescribed at discharge.

Q33 VANTH & Q34 DTANTH

Review each data source for documentation that an antithrombotic medication was prescribed at discharge and answer "yes" or "no" accordingly. (VANTH)

Antithrombotic at discharge data source	1 Yes 2 No	Date
1. Outpatient Prescriptions (Orders)	2	99/99/9999
2. Outpatient Refills	2	99/99/9999
3. Non-VA Medication	2	99/99/9999
4. Inpatient Medication dispensed before discharge (day of discharge or day prior to discharge for patients discharged to nursing home or CLC)	2	99/99/9999
5. Medication dispensed in CLC on first post discharge day	2	12/13/2017
6. Discharge Summary	2	99/99/9999
7. Nursing Discharge Instructions	2	99/99/9999
8. Pharmacy discharge instructions	2	99/99/9999
9. Physician discharge instructions	2	99/99/9999
10. Other	1	09/22/2017

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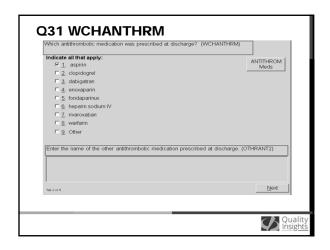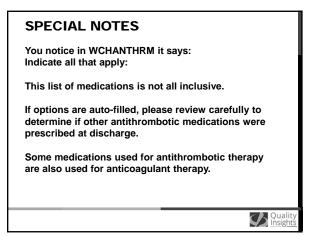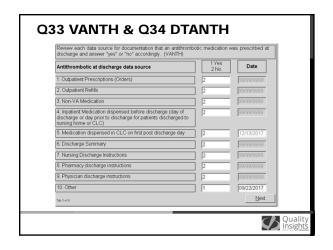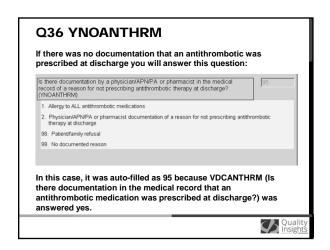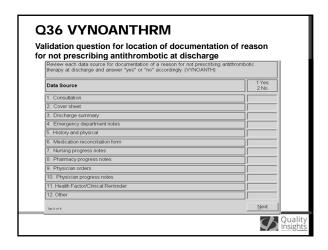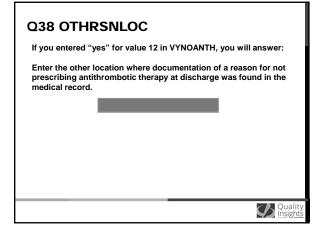## Q35 OLANTH

If you entered "yes" for value 10 in VANTH, you will answer:

Enter the other location where documentation of prescription of an antithrombotic medication at discharge was found in the medical record. (OLANTH)

Progress note

Q36 YNOANTHRM

If there was no documentation that an antithrombotic was prescribed at discharge you will answer this question:

Is there documentation by a physician/APN/PA or pharmacist in the medical record of a reason for not prescribing antithrombotic therapy at discharge? (YNOANTHRM)

95

1. Allergy to ALL antithrombotic medications
2. Physician/APN/PA or pharmacist documentation of a reason for not prescribing antithrombotic therapy at discharge
98. Patient/family refusal
99. No documented reason

In this case, it was auto-filled as 95 because VDCANTHRM (Is there documentation in the medical record that an antithrombotic medication was prescribed at discharge?) was answered yes.

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Q36 VYNOANTHRM

Validation question for location of documentation of reason for not prescribing antithrombotic at discharge

Review each data source for documentation of a reason for not prescribing antithrombotic therapy at discharge and answer "yes" or "no" accordingly. (VYNOANTH)

Data Source	1 Yes 2 No
1. Consultation	
2. Cover sheet	
3. Discharge summary	
4. Emergency department notes	
5. History and physical	
6. Medication reconciliation form	
7. Nursing progress notes	
8. Pharmacy progress notes	
9. Physician orders	
10. Physician progress notes	
11. Health Factor/Clinical Reminder	
12. Other	

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Q38 OTHRSNLOC

If you entered "yes" for value 12 in VYNOANTH, you will answer:

Enter the other location where documentation of a reason for not prescribing antithrombotic therapy at discharge was found in the medical record.

ANTICOAGULANT MEDICATIONS

Questions 39 - 48 similar to the questions on antithrombotics, but are related to anticoagulant medications prescribed at discharge

Q39 ANTICOAG - Prepopulated "yes" or "no"

Q40 VANTICOAG - Abstractor validates "yes" or "no"

Q41 WCHCOAG - Which anticoagulant medication

SPECIAL NOTES

Q41 WCHCOAG
Which anticoagulant medication was prescribed at discharge? **Indicate all that apply:**

This list of medications is not all inclusive.

If options are auto-filled, please review carefully to determine if other anticoagulant medications were prescribed at discharge.

Some medications used for anticoagulant therapy are also used for antithrombotic therapy.

ANTICOAGULANT MEDICATIONS

Q42 OTHCOAG - If the anticoagulant medication was not one listed in wchcoag, you will enter the name of the other anticoagulant medication prescribed at discharge.

Q43 VCOAG and Q44 DTCOAG - questions to validate the location and date of documentation that an anticoagulant was prescribed at discharge.

Q45 OLCOAG - question to enter the other location where documentation of prescription of an anticoagulant medication at discharge was found in the medical record.

Q46 NOCOAG - documentation of a reason for not prescribing anticoagulant at discharge.

Q47 VNOCOAG - validation question for location of documentation of reason for not prescribing anticoagulant at discharge

Q48 OLNOCOAG - question to enter the other location where documentation of a reason for not prescribing anticoagulant at discharge was found

SCORING

STROKE MEASURES:

- STK2 – Discharged on Antithrombotic Therapy
- STK3 – Anticoagulation Therapy on Discharge for Atrial Fibrillation/Flutter
- STK6 Discharged on Statin Medication

Scoring for all 3 measures based on abstracted data

SCORING

Exclusions common to all 3 measures:
- Acute-care admission is elective
- Date of discharge is <11/01/17 or after 11/30/17
- Length of stay is >120 days
- Patient age <18
- Principal Diagnosis Code (ICD-10-CM) is not Ischemic Stroke
- Discharge disposition:
  - to another hospital
  - left AMA
  - expired
  - to home for hospice care
  - to health care facility for hospice care
- Documentation of comfort measures only any time during the hospital stay
- Enrolled in a clinical trial in which patients with stroke are being studied during the hospital stay

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SCORING

STK2 - Discharged on Antithrombotic Therapy

Specific Exclusion:
- Documented reason for not prescribing antithrombotic therapy at discharge

Case passes if:
- Antithrombotic therapy was prescribed at discharge

SCORING

STK3 - Anticoagulation Therapy on Discharge for Atrial Fibrillation/Flutter

Specific Exclusions:
- No Diagnosis Code of atrial fibrillation/flutter
- Documented reason for not prescribing anticoagulation therapy at discharge

Case passes if:
- Anticoagulation therapy was prescribed at discharge

SCORING

STK6 Discharged on Statin Medication

Specific Exclusions:
- LDL-c of <70mg/dL <30 days prior to arrival or any time during the hospital stay
- Documented reason for not prescribing statin medication at discharge

Case passes if:
- Statin medication was prescribed at discharge

CONCLUSION

- ❑ Anticipate the Pull list to be released February 1, 2018
- ❑ Complete abstraction by February 28, 2018
- ❑ Please send any questions to;

  Sharon Miller (shmiller@qualityinsights.org) or

  Anna Sites (asites@qualityinsights.org)