

§170.306.c: Clinical decision support (Inpatient)

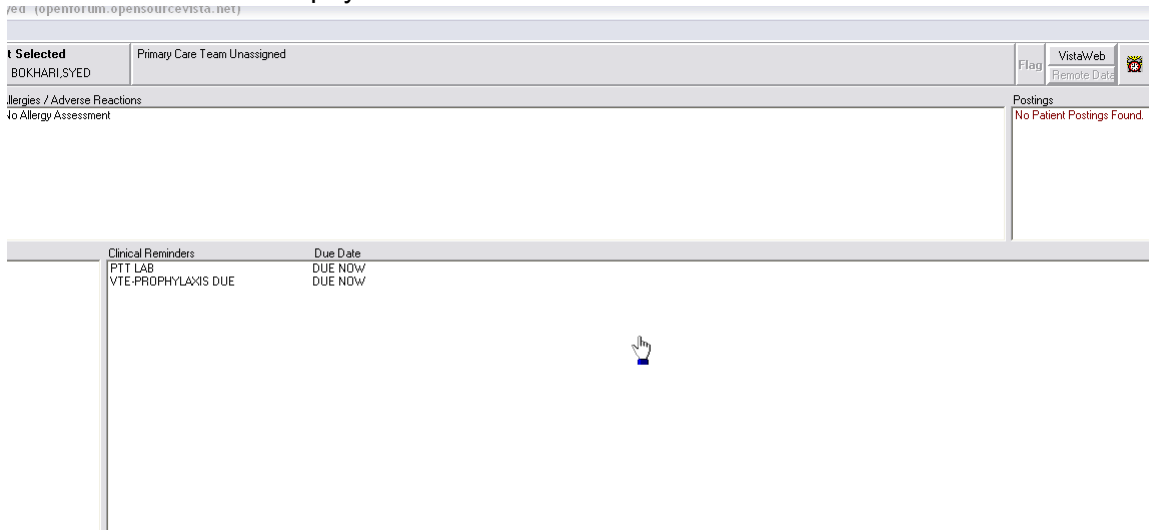
Requirement	Requirement Satisfied (Yes/No)	Vendor Response/Submission/Comments
§170.306.c: Clinical decision support (Inpatient)		
Provide a unique patient record to be used for the testing of this module only.	Yes	See Below
Provide identification of one or more automated, electronic clinical decision support rules (in addition to drug-drug and drug-allergy contraindication checking): 1) Based on data elements in a patient's: <ul style="list-style-type: none"> • Problem list • Medication list • Demographics • Laboratory test results 	Yes	See Below

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170.306.C DECISION SUPPORT FOR INTAPATIENT:

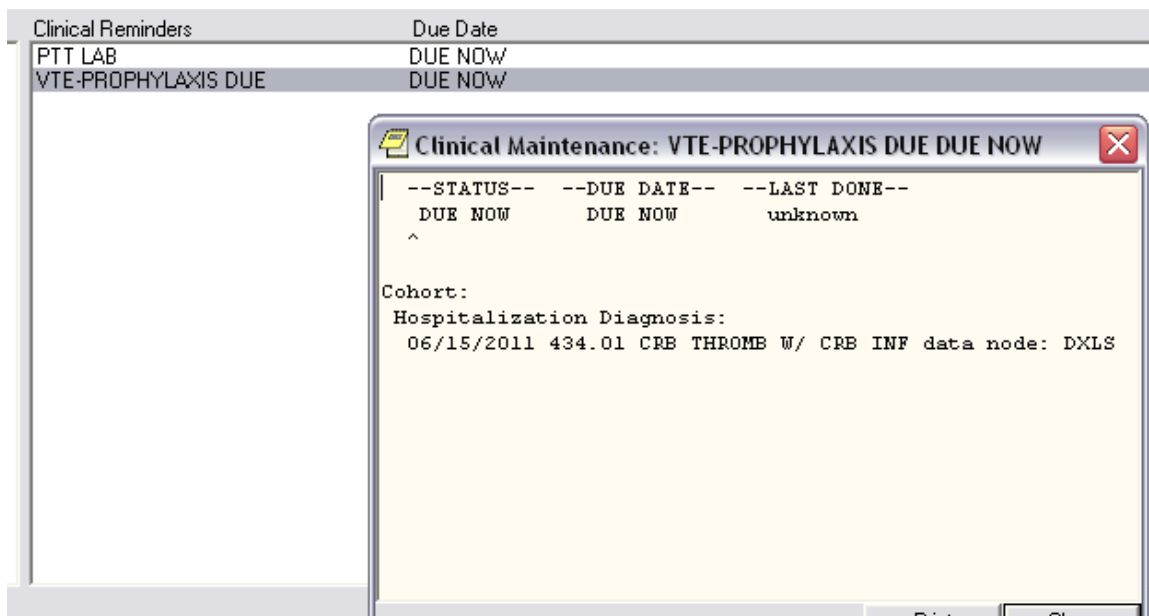
PATIENT:

- Clinical Reminders
 - o PTT LAB due
 - o VTE Prophylaxis due



1) Based on data elements in a patient's:

- Problem list
 - 2. Following snap shot shows ICD 9 434.04 assigned to this pt which kicks in the reminder due



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wvehr3-09@gtm: /home/syed

CF VA-ADMISSIONS FOR A DATE RANGE                               Finding # 2
CF VA-DISCHARGES FOR A DATE RANGE                             Finding # 3
RT MU STK-1 DENOM EXCLU TRM                                   Finding # 4
TX MU STK DENOM EXCLU ELECTIVE SURGERY TX                     Finding # 5
TX MU STK-1 DENOM INCLU TX                                    Finding # 1
Select FINDING:

      Select one of the following:

      A      All reminder details
      G      General
      B      Baseline Frequency
      F      Findings
      FF     Function Findings
      L      Logic
      C      Custom date due
      D      Reminder Dialog
      W      Web Addresses

Select section to edit: Logic

Patient Cohort and Resolution Logic
CUSTOMIZED PATIENT COHORT LOGIC (OPTIONAL): (AGE)&FI(1)&FF(1)&'FI(5)&'FI(4)
      Replace █
```

- Medication list
 - 4. Because this pt is missing VTE prophylaxis “ Heparin” so this reminders kicks in
- Demographics
 - 6. This reminder is applicable to all pt above 18 Y
- Laboratory test results
 - 8. PTT is missing for this pt

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wvehr3-09@gtm: /home/syed

CF VA-ADMISSIONS FOR A DATE RANGE                               Finding # 2
CF VA-DISCHARGES FOR A DATE RANGE                             Finding # 3
RT MU STK-1 DENOM EXCLU TRM                                   Finding # 4
TX MU STK DENOM EXCLU ELECTIVE SURGERY TX                     Finding # 5
TX MU STK-1 DENOM INCLU TX                                    Finding # 1
Select FINDING:

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Patient Cohort and Resolution Logic
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```

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Usage:                CPRS, PATIENT, REPORTS

Related VA-* Reminder:

Reminder Dialog:

Priority:

Description:

Technical Description:

Baseline Frequency:

    Do In Advance Time Frame:  Do if DUE within 1 day
    Sex Specific:
    Ignore on N/A:
    Frequency for Age Range:  99Y - Once for all ages
    Match Text:
    No Match Text:

Findings:

---- Begin: HEPARIN INJ,SOLN  (FI(1)=OI(1646)) -----
           Finding Type: ORDERABLE ITEM
           Status List: ACTIVE
                       PENDING
---- End: HEPARIN INJ,SOLN -----

---- Begin: PTT (FI(2)=LT(468)) -----
           Finding Type: LABORATORY TEST
---- End: PTT -----

Customized PATIENT COHORT LOGIC to see if the Reminder applies to a patient:
FI(1)

Expanded Patient Cohort Logic:
FI(HEPARIN INJ,SOLN )

Customized RESOLUTION LOGIC defines findings that resolve the Reminder:
FI(2)

Expanded Resolution Logic:
FI(PTT)
```

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Do In Advance Time Frame: Do if DUE within 1 month
Sex Specific:
Ignore on N/A:
Frequency for Age Range: 99Y - Once for ages 18 to 99
Match Text:
No Match Text:
    
```

Findings:

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---- Begin: MU STK-1 DENOM INCLU TX (FI(1)=TX(147)) -----
      Finding Type: REMINDER TAXONOMY
      Include Visit Data: YES
---- End: MU STK-1 DENOM INCLU TX -----

---- Begin: VA-ADMISSIONS FOR A DATE RANGE (FI(2)=CF(90)) -----
      Finding Type: REMINDER COMPUTED FINDING
---- End: VA-ADMISSIONS FOR A DATE RANGE -----

---- Begin: VA-DISCHARGES FOR A DATE RANGE (FI(3)=CF(94)) -----
      Finding Type: REMINDER COMPUTED FINDING
---- End: VA-DISCHARGES FOR A DATE RANGE -----

---- Begin: MU STK-1 DENOM EXCLU TRM (FI(4)=RT(546)) -----
      Finding Type: REMINDER TERM

      Mapped Findings: HF.ENROLLED IN CLINICAL TRIALS
      Health Factor Category: MU STK

      Mapped Findings: HF.COMFORT MEASURES PROTOCOL
                        FOLLOWED
      Health Factor Category: MU STK

      Mapped Findings: HF.ELECTIVE CAROTID INTERVENTION
      Health Factor Category: MU STK

      Mapped Findings: HF.COMFORT MEASURES ON OR DAY
                        AFTER ARRIVAL
      Health Factor Category: MU STK

---- End: MU STK-1 DENOM EXCLU TRM -----

---- Begin: MU STK DENOM EXCLU ELECTIVE SURGERY TX (FI(5)=TX(122)) -----
      Finding Type: REMINDER TAXONOMY
---- End: MU STK DENOM EXCLU ELECTIVE SURGERY TX -----
    
```

Function Findings:

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---- Begin: FF(1)-----
      Function String: DIFF_DATE(2,3)<121
      Expanded Function String:
      DIFF_DATE(VA-ADMISSIONS FOR A DATE RANGE,VA-DISCHARGES FOR A DATE RANGE)
      <121
---- End: FF(1) -----
    
```

- A) VTE PROPHYLAXIS DUE Reminder (Notification)
 - a. VTE prophylaxis is due for pt who were dx with ischemic and hemorrhagic stroke. Tx Table 8.1 and 8.2
 - b. Excluding pt admitted for elective carotid intervention (code 37205,37206,35301)
 - c. Pt list can be found in PL as “VTE PRO DUE”
 - d. Patients in “VTE PRO DUE” needs VTE prophylaxis
- B) VTE PROPHYLAXIS GIVEN PL
 - a. This is list of Pts who were given VTE prophylaxis
 - b. Check under PL “MU 170.306.C VTE PRO GIVEN”

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- c. Only one pt has VTE pro given in the list
- C) PTT LABS DUE..... Reminder (Notification)
 - a. This kicks in once Heparin is given for VTE prophylaxis
 - b. As only one pt received VTE prophylaxis so PTT labs is due for that pt

Automatically Generate and Indicate Notification (Reminder) and care Suggestions in an Inpatient Setting:

The screenshot displays a medical software interface for patient Hlamont, Phyllis. The patient's name and date of birth (Apr 21, 1967) are visible at the top. The interface is divided into several sections: Active Problems, Allergies / Adverse Reactions, Postings, Active Medications, Clinical Reminders, Due Date, Recent Lab Results, Vitals, and Appointments/Visits/Admissions.

The **Clinical Reminders** section shows two reminders: PTT LAB (DUE NOW) and VTE-PROPHYLAXIS DUE (DUE NOW). A pop-up window titled "Clinical Maintenance: PTT LAB DUE NOW" is open, providing detailed information about the reminder:

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--STATUS-- --DUE DATE-- --LAST DONE--
DUE NOW    DUE NOW    unknown
Frequency: Due every 99Y - Once

Cohort:
Orderable Item: HEPARIN INJ,SOLN
06/16/2011 Status: active, Start date: 06/05/2011, Stop date: missing
Duration: 12 D
    
```

The **Recent Lab Results** section shows a table of vital signs:

T	P	R	BP	HT	WT	BMI
60	120/90	12	120/90	63 in	130 lb	23.08
06/15/2011 11:09	Jun 15, 2011 11:09	Jun 15, 2011 11:09	Jun 15, 2011 11:09	Jun 15, 2011 11:09 (160.0 cm)	Jun 15, 2011 11:09 (59.0 kg)	Jun 15, 2011 11:09
TRAPHEZ ADULT SITTING	SPONTANEOUS SITTING	R ARM, CUFF SITTING ADULT	ACTUAL			

The **Appointments/Visits/Admissions** section shows an appointment for Jun 04, 2011 10:00 Inpatient Stay 3 East.