Pioneers in Quality On-Demand Webinar Series Expert to Expert 2020 eCQM Annual Updates for the 2021 Reporting Period

This on-demand webinar will offer Continuing Education credit.

January 2021

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On-Demand Webinar Series

2020 eCQM Annual Updates

- Stroke Measures
- VTE Measures
- PC-05 Exclusive Breast Milk Feeding
- ED-2 Median Admit Decision Time to ED Departure Time for Admitted Patients

New Measure Review

- The CMS Safe Use of Opioids- Concurrent Prescribing

Visit the eCQI Resource Center: https://ecqi.healthit.gov/general-ecqm-and-ecqi-education

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On-Demand eCQM Video Shorts

eCQM Basics
(2 min/video)

- What is a Value Set?
- What is a QDM Data Element?
- What is a Datatype?
- What is an Attribute?

CQL Basics
(11 min)

- CQL Basics (excerpt from 2019 PIQ Expert to Expert Series)

Visit the eCQI Resource Center: https://ecqi.healthit.gov/general-ecqm-and-ecqi-education

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2020 eCQM Annual Update:
Stroke Measures
&
PC-05 Exclusive Breast Milk Feeding
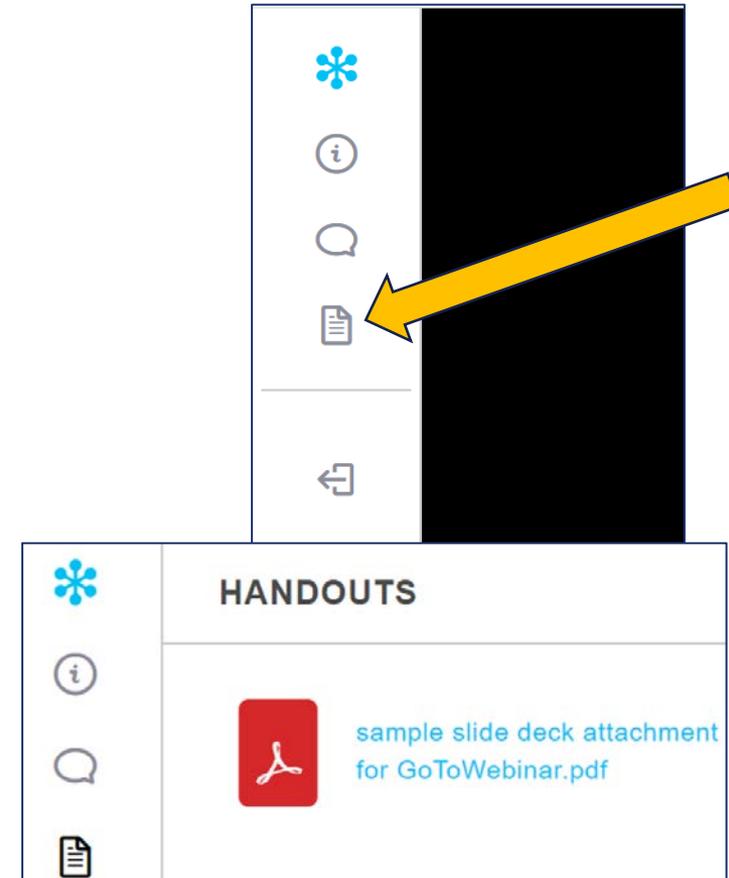
Webinar Audio – Information & Tips

- Use your computer speakers or headphones to listen

  closed captioning is available

- Feedback or dropped audio are common for streaming video. Refresh your screen if this occurs.

- You can pause the play back at any time.

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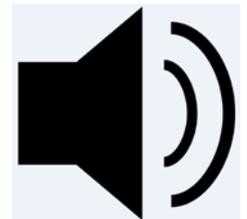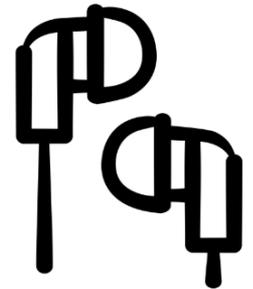
Slides are available now!

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At the end of this webinar, participants should be able to:

1. Apply concepts learned about the logic and intent for the STK and PC05 eCQMs,

2. Identify common issues and questions regarding STK and PC05 eCQMs and,

3. Prepare to implement the STK and PC05 measures for the 2021 eCQM reporting period

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Disclosure Statement

These staff and speakers have disclosed that neither they nor their spouses/partners have any financial arrangements or affiliations with corporate organizations that either provide educational grants to this program or may be referenced in this activity:

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Pioneers in Quality On-Demand Webinar Expert to Expert Series eCQM Annual Update: Stroke Measures

Marc Hallez, MSHI, RN

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Stroke Measure Timeline

STK eCQM development

CMS requires eCQMs

COVID-19

2010   **2015**   **2016**   **2019**   **2020**

Voluntary eCQM data submission

Clinical guideline update
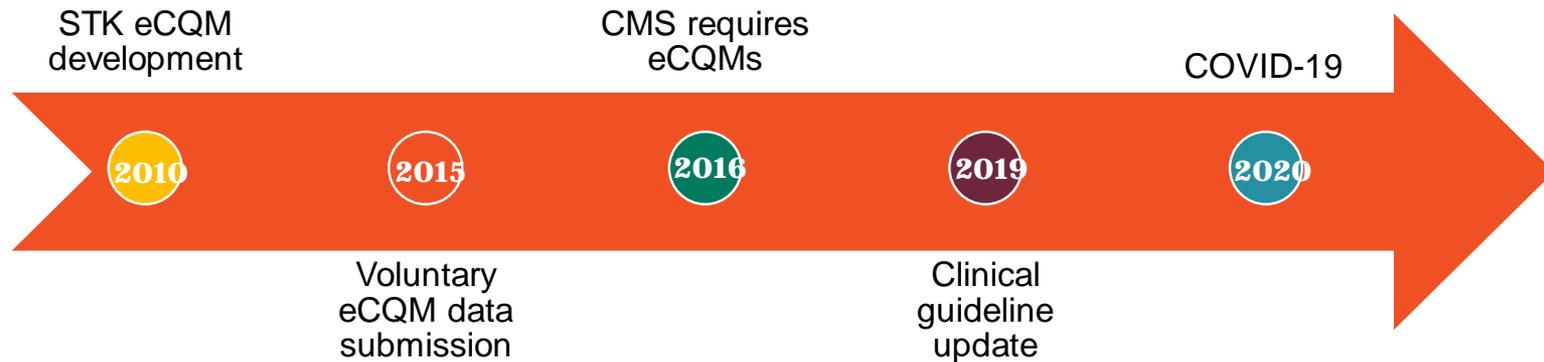
- eSTK 2 Ischemic stroke patients prescribed antithrombotic therapy at hospital discharge
- eSTK 3 Ischemic stroke patients with atrial fibrillation/flutter prescribed anticoagulation therapy at hospital discharge
- eSTK 5 Ischemic stroke patients administered antithrombotic therapy by end of hospital day 2
- eSTK 6 Ischemic stroke patients prescribed statin medication at hospital discharge

Initial Population- Stroke Measures

Patients age 18 and older discharged from inpatient care (non-elective admissions) with a principal diagnosis of Ischemic or Hemorrhagic Stroke and a length of stay less than or equal to 120 days that ends during the measurement period

> **Initial Population:**
>
> TJC.Encounter with Principal Diagnosis and Age

TJC.Encounter with Principal Diagnosis and Age:

- "All Stroke Encounter" AllStrokeEncounter with ["Patient Characteristic Birthdate": "Birth Date"] BirthDate such that Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of AllStrokeEncounter.relevantPeriod)>= 18

    TJC.All Stroke Encounter:
    - "Non Elective Inpatient Encounter" NonElectiveEncounter where exists (NonElectiveEncounter.diagnoses Diagnosis where Diagnosis.rank = 1 and (Diagnosis.code in "Hemorrhagic Stroke"or Diagnosis.code in "Ischemic Stroke"))

    TJC.Non Elective Inpatient Encounter:
    - ["Encounter, Performed": "Non-Elective Inpatient Encounter"] NonElectiveEncounter where Global."LengthInDays"(NonElectiveEncounter.relevantPeriod)<= 120 and NonElectiveEncounter.relevantPeriod ends during "Measurement Period"

Initial Population

Patients age 18 and older discharged from inpatient care (non-elective admissions) with a principal diagnosis of Ischemic or Hemorrhagic Stroke and a length of stay less than or equal to 120 days that ends during the measurement period

Initial Population:

TJC.Encounter with Principal Diagnosis and Age

TJC.Encounter with Principal Diagnosis and Age:

- "All Stroke Encounter" AllStrokeEncounter with ["Patient Characteristic Birthdate": "Birth Date"] BirthDate such that Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of AllStrokeEncounter.relevantPeriod)>= 18

  TJC.All Stroke Encounter:
  - "Non Elective Inpatient Encounter" NonElectiveEncounter where exists (NonElectiveEncounter.diagnoses Diagnosis where Diagnosis.rank = 1 and (Diagnosis.code in "Hemorrhagic Stroke"or Diagnosis.code in "Ischemic Stroke"))

    TJC.Non Elective Inpatient Encounter:
    - ["Encounter, Performed": "Non-Elective Inpatient Encounter"] NonElectiveEncounter where Global."LengthInDays"(NonElectiveEncounter.relevantPeriod)<= 120 and NonElectiveEncounter.relevantPeriod ends during "Measurement Period"

STK 5- Antithrombotic Therapy By the End of Hospital Day 2 (CMS72v9)

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Denominator

Patients with a principal diagnosis of Ischemic Stroke

> **Denominator:**
> TJC."Ischemic Stroke Encounter"

TJC.Ischemic Stroke Encounter:

▪ "**Encounter with Principal Diagnosis and Age**" EncounterWithAge

where exists EncounterWithAge.diagnoses Diagnosis
where Diagnosis.code in "Ischemic Stroke"
and Diagnosis.rank = 1
)

TJC.Encounter with Prinicipal Diagnosis and Age:
- "All Stroke Encounter" AllStrokeEncounter with ["Patient Characteristic Birthdate": "Birth date"] BirthDate such that Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of AllStrokeEncounter.relevantPeriod)>= 18

TJC.All Stroke Encounter:
- "Non Elective Inpatient Encounter" NonElectiveEncounter where exists (NonElectiveEncounter.diagnoses Diagnosis where Diagnosis.rank = 1 and (Diagnosis.code in "Hemorrhagic Stroke"or Diagnosis.code in "Ischemic Stroke"))

TJC.Non Elective Inpatient Encounter:
- ["Encounter, Performed": "Non-Elective Inpatient Encounter"] NonElectiveEncounter where Global."LengthInDays"(NonElectiveEncounter.relevantPeriod)<= 120 and NonElectiveEncounter.relevantPeriod ends during "Measurement Period"

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days
Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival
Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

2021 Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

2020 Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Thrombolytic Therapy Medication or Procedures"
union "Encounter with Thrombolytic Medication"
union "Encounter with Comfort Measures"
union "Encounter with an INR greater than 3.5"
union "Encounter with Thrombolytic Therapy prior to arrival"
union "Encounter with Thrombolytic Therapy documented as already given"

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days

Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival

Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter Less Than Two Days:
- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  where TJC."HospitalizationWithObservationLengthofStay"(IschemicStrokeEncounter)< 2

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days
Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival
Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter with Comfort Measures during Hospitalization
    TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
        with TJC."Intervention Comfort Measures" ComfortMeasures
            such that **Coalesce**(start of ComfortMeasures.**relevantPeriod**,
            ComfortMeasures.**authorDatetime**)during
        TJC."CalendarDayOfOrDayAfter" (start of
        Global."HospitalizationWithObservation" (IschemicStrokeEncounter))

    TJC.Intervention Comfort Measures:
        ▪ ["Intervention, Order": "Comfort Measures"]
        union ["Intervention, Performed": "Comfort Measures"]

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days
Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival

Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization
"Encounter with Thrombolytic Therapy Medication or Procedures"
union "Encounter With Thrombolytic Therapy Prior to Arrival"
union "Encounter With Thrombolytic Therapy Documented As Already Given"

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days

Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival

Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization
    "**Encounter with Thrombolytic Therapy Medication or Procedures**"
        union "Encounter With Thrombolytic Therapy Prior to Arrival"
        union "Encounter With Thrombolytic Therapy Documented As Already Given"

Encounter with Thrombolytic Therapy Medication or Procedures
        TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
            with "Thrombolytic Therapy Medication or Procedures" ThrombolyticTherapy
            such that ThrombolyticTherapy.relevantPeriod starts during Interval[start of
                Global."**HospitalizationWithObservation**" (IschemicStrokeEncounter) **- 24 hours**,
                    end of Global."HospitalizationWithObservation" (IschemicStrokeEncounter))

        Thrombolytic Therapy Medication or Procedures
            ["Medication, Administered": "**Thrombolytic (t-PA) Therapy**"]
            union ["Procedure, Performed": "**Intravenous or Intra-arterial Thrombolytic (t-PA) Therapy**"]

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Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days
Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival
Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization
"Encounter with Thrombolytic Therapy Medication or Procedures"
union "**Encounter With Thrombolytic Therapy Prior to Arrival**"
union "Encounter With Thrombolytic Therapy Documented As Already Given"

Encounter With Thrombolytic Therapy Prior to Arrival
TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
where exists IschemicStrokeEncounter.**diagnoses** Diagnosis
where Diagnosis.**code** in "**Intravenous or Intra arterial Thrombolytic (tPA) Therapy Prior to Arrival**"

Z92.82	Status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility	ICD10CM

Denominator Exclusions

Inpatient hospitalizations for patients who have a duration of stay less than 2 days
Inpatient hospitalization for patients with comfort measures documented day of or the day after arrival
Inpatient hospitalization for patients with intra-venous or intra-arterial Thrombolytic (t-PA) Therapy administered within 24 hours prior to arrival or anytime during hospitalization

Denominator Exclusions: "Encounter Less Than Two Days"
union "Encounter with Comfort Measures during Hospitalization"
union "Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization"

Encounter with Thrombolytic Therapy Given Prior To Arrival Or During Hospitalization
"Encounter with Thrombolytic Therapy Medication or Procedures"
union "Encounter With Thrombolytic Therapy Prior to Arrival"
union "**Encounter With Thrombolytic Therapy Documented As Already Given**"

Encounter With Thrombolytic Therapy Documented As Already Given
TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with [**Diagnosis**: "Intravenous or Intra arterial Thrombolytic (tPA) Therapy Prior to Arrival"] PriorTPA
such that PriorTPA.authorDatetime during Global."HospitalizationWithObservation" (
IschemicStrokeEncounter)

Numerator

Inpatient hospitalization for patients who had antithrombotic therapy administered the day of or day after hospital arrival

> **Numerator:**
> "Encounter with Antithrombotic Therapy"

Encounter with Antithrombotic Therapy:

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with ["Medication, Administered": "Antithrombotic Therapy"] Antithrombotic
  such that Antithrombotic.relevantPeriod starts during TJC."CalendarDayOfOrDayAfter"
  (start of Global."HospitalizationWithObservation"(IschemicStrokeEncounter)

Denominator Exceptions

Inpatient hospitalization for patients with a documented reason for not administering antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients who receive Ticagrelor or Prasugrel as an antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients with an INR greater than 3.5.

Denominator Exceptions:

"No Antithrombotic Ordered Day Of or Day After Hospital Arrival"

union "Encounter With Pharmacological Contraindications for Antithrombotic Therapy Given Day Of or Day After Hospital Arrival"

union "Encounter With An INR Greater Than 3.5"

No Antithrombotic Ordered Day Of or Day After Hospital Arrival:

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "No Antithrombotic Ordered" NoAntithrombotic"
      such that NoAntithrombotic.authorDatetime during TJC."CalendarDayOfOrDayAfter"
      (start of Global."HospitalizationWithObservation"(IschemicStrokeEncounter))

No Antithrombotic Ordered:

- "No Antithrombotic Ordered for Medical Reason or Patient Refusal"
  union "No Antithrombotic Administered"

No Antithrombotic Ordered for Medical Reason or Patient Refusal:

- ["Medication, Not Ordered": "Antithrombotic Therapy"] NoAntithromboticOrder
  where NoAntithromboticOrder.negationRationale in "Medical Reason"
  or NoAntithromboticOrder.negationRationale in "Patient Refusal"

No Antithrombotic Administered:

- ["Medication, Not Administered": "Antithrombotic Therapy"] NoAntithromboticGiven
  where NoAntithromboticGiven.negationRationale in "Medical Reason"
  or NoAntithromboticGiven.negationRationale in "Patient Refusal"

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Denominator Exceptions

Inpatient hospitalization for patients with a documented reason for not administering antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients who receive Ticagrelor or Prasugrel as an antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients with an INR greater than 3.5.

Denominator Exceptions:
"No Antithrombotic Ordered Day Of or Day After Hospital Arrival"
union "Encounter With Pharmacological Contraindications for Antithrombotic Therapy Given Day Of or Day After Hospital Arrival"
union "Encounter With An INR Greater Than 3.5"

Encounter With Pharmacological Contraindications for Antithrombotic Therapy Given Day Of or Day After Hospital Arrival
TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with ["Medication, Administered": "Pharmacological Contraindications For Antithrombotic Therapy"]
PharmacologicalContraindications
such that PharmacologicalContraindications.relevantPeriod starts during TJC."CalendarDayOfOrDayAfter" (start of
Global."HospitalizationWithObservation" (IschemicStrokeEncounter))

Denominator Exceptions

Inpatient hospitalization for patients with a documented reason for not administering antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients who receive Ticagrelor or Prasugrel as an antithrombotic therapy the day of or day after hospital arrival.

Inpatient hospitalization for patients with an INR greater than 3.5.

Denominator Exceptions:
> "No Antithrombotic Ordered Day Of or Day After Hospital Arrival"
> > union "Encounter With Pharmacological Contraindications for Antithrombotic Therapy Given
> > > Day Of or Day After Hospital Arrival"
> union "Encounter With An INR Greater Than 3.5"

Encounter With An INR Greater Than 3.5
> TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
> > with ["Laboratory Test, Performed": "INR"] INR
> > such that INR.resultDatetime during TJC."CalendarDayOfOrDayAfter" (start of Global."HospitalizationWithObservation"
> > > (IschemicStrokeEncounter))
> > and INR.result > 3.5

STK-2 Discharged on Antithrombotic Therapy (CMS104v9)

Inpatient hospitalizations for patients with a principal diagnosis of Ischemic Stroke

> **Denominator:**
>
>   TJC."Ischemic Stroke Encounter"

TJC.Ischemic Stroke Encounter:

- "Encounter with Principal Diagnosis and Age" EncounterWithAge

  where EncounterWithAge.principalDiagnosis in "Ischemic Stroke"

TJC.Encounter with Prinicipal Diagnosis and Age:
- "All Stroke Encounter" AllStrokeEncounter with ["Patient Characteristic Birthdate": "Birth date"] BirthDate such that Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of AllStrokeEncounter.relevantPeriod)>= 18

TJC.All Stroke Encounter:
- "Non Elective Inpatient Encounter" NonElectiveEncounter where exists (NonElectiveEncounter.diagnoses Diagnosis where Diagnosis.rank = 1 and (Diagnosis.code in "Hemorrhagic Stroke"or Diagnosis.code in "Ischemic Stroke"))

TJC.Non Elective Inpatient Encounter:
- ["Encounter, Performed": "Non-Elective Inpatient Encounter"] NonElectiveEncounter where Global."LengthInDays"(NonElectiveEncounter.relevantPeriod)<= 120 and NonElectiveEncounter.relevantPeriod ends during "Measurement Period"

Denominator Exclusions

Inpatient hospitalizations for patients admitted for elective carotid intervention

Inpatient hospitalizations for patients discharged to another hospital

Inpatient hospitalizations for patients who left against medical advice

Inpatient hospitalizations for patients who expired

Inpatient hospitalizations for patients discharged to home for hospice care

Inpatient hospitalizations for patients discharged to a health care facility for hospice care

Inpatient hospitalizations for patients with comfort measures documented

> **Denominator Exclusions:** TJC."Ischemic Stroke Encounters with Discharge Disposition"
>
> union TJC."Comfort Measures during Hospitalization"

TJC.Ischemic Stroke Encounters with Discharge Dispostion:

- (("Ischemic Stroke Encounter" IschemicStrokeEncounter
  where IschemicStrokeEncounter.dischargeDisposition in "Discharge To Acute Care Facility"
  or IschemicStrokeEncounter.dischargeDisposition in "Left Against Medical Advice"
  or IschemicStrokeEncounter.dischargeDisposition in "Patient Expired"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Home for Hospice Care"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Health Care Facility for Hospice Care"))

TJC.Comfort Measures during Hospitalization:

- "Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Intervention Comfort Measures" ComfortMeasure
  such that Coalesce(start of ComfortMeasure.relevantPeriod, ComfortMeasure.authorDatetime)during
  Global."HospitalizationWithObservation"(IschemicStrokeEncounter)

  ### TJC.Intervention Comfort Measures:

  - ["Intervention, Order": "Comfort Measures"]
    union ["Intervention, Performed": "Comfort Measures"]

Denominator Exclusions

Inpatient hospitalizations for patients admitted for elective carotid intervention
Inpatient hospitalizations for patients discharged to another hospital
Inpatient hospitalizations for patients who left against medical advice
Inpatient hospitalizations for patients who expired
Inpatient hospitalizations for patients discharged to home for hospice care
Inpatient hospitalizations for patients discharged to a health care facility for hospice care
Inpatient hospitalizations for patients with comfort measures documented

Denominator Exclusions: TJC."Ischemic Stroke Encounters with Discharge Disposition"

union TJC."Comfort Measures during Hospitalization"

TJC.Ischemic Stroke Encounters with Discharge Status:

- (("Ischemic Stroke Encounter" IschemicStrokeEncounter
  where IschemicStrokeEncounter.dischargeDisposition in "Discharge To Acute Care Facility"
  or IschemicStrokeEncounter.dischargeDisposition in "Left Against Medical Advice"
  or IschemicStrokeEncounter.dischargeDisposition in "Patient Expired"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Home for Hospice Care"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Health Care Facility for Hospice Care"))

TJC.Comfort Measures during Hospitalization:

- "Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Intervention Comfort Measures" ComfortMeasure
  such that Coalesce(start of ComfortMeasure.relevantPeriod,
  ComfortMeasure.authorDatetime)during
  Global."HospitalizationWithObservation"(IschemicStrokeEncounter)

  ### TJC.Intervention Comfort Measures:
  - ["Intervention, Order": "Comfort Measures"]
    union ["Intervention, Performed": "Comfort Measures"]

Numerator

Inpatient hospitalizations for patients prescribed or continuing to take antithrombotic therapy at hospital discharge

> **Numerator:** TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
> with "Antithrombotic Therapy at Discharge" DischargeAntithrombotic
> such that DischargeAntithrombotic.authorDatetime during
> IschemicStrokeEncounter.relevantPeriod

Numerator

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Antithrombotic Therapy at Discharge" DischargeAntithrombotic
  such that DischargeAntithrombotic.authorDatetime during
  IschemicStrokeEncounter.relevantPeriod

    Antithrombotic Therapy at Discharge:
    - ["Medication, Discharge": "Antithrombotic Therapy"]

Inpatient hospitalizations for patients with a documented reason for not prescribing antithrombotic therapy at discharge

Inpatient hospitalization for patients who receive Ticagrelor or Prasugrel as an antithrombotic therapy at discharge.

> Denominator Exceptions:
>
> "Encounter With No Antithrombotic At Discharge"
>
> union "Encounter With Pharmacological Contraindications for Antithrombotic Therapy at Discharge"

Encounter With No Antithrombotic At Discharge
- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Antithrombotic Not Given at Discharge" NoDischargeAntithrombotic
  such that NoDischargeAntithrombotic.authorDatetime during
  IschemicStrokeEncounter.relevantPeriod

Antithrombotic Not Given at Discharge:
- ["Medication, Not Discharged": "Antithrombotic Therapy"] NoAntithromboticDischarge
  where NoAntithromboticDischarge.negationRationale in "Medical Reason"
  or NoAntithromboticDischarge.negationRationale in "Patient Refusal"

Encounter With Pharmacological Contraindications for Antithrombotic Therapy at Discharge
   TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
    with ["Medication, Discharge": "Pharmacological Contraindications For Antithrombotic Therapy"]
   Pharmacological
     such that Pharmacological.authorDatetime during IschemicStrokeEncounter.relevantPeriod

Inpatient hospitalizations for patients with a documented reason for not prescribing antithrombotic therapy at discharge

Inpatient hospitalization for patients who receive Ticagrelor or Prasugrel as an antithrombotic therapy at discharge.

Denominator Exceptions:
"Encounter With No Antithrombotic At Discharge"
union "Encounter With Pharmacological Contraindications for Antithrombotic Therapy at Discharge"

Encounter With No Antithrombotic At Discharge
- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Antithrombotic Not Given at Discharge" NoDischargeAntithrombotic
  such that NoDischargeAntithrombotic.authorDatetime during
  IschemicStrokeEncounter.relevantPeriod

Antithrombotic Not Given at Discharge:
- ["Medication, Not Discharged": "Antithrombotic Therapy"] NoAntithromboticDischarge
  where NoAntithromboticDischarge.negationRationale in "Medical Reason"
  or NoAntithromboticDischarge.negationRationale in "Patient Refusal"

Encounter With Pharmacological Contraindications for Antithrombotic Therapy at Discharge
TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with ["Medication, Discharge": "Pharmacological Contraindications For Antithrombotic Therapy"] Pharmacological
such that Pharmacological.authorDatetime during IschemicStrokeEncounter.relevantPeriod

STK-3 Anticoagulation Therapy for Atrial Fibrillation (CMS71v10)

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Denominator

Inpatient hospitalizations for patients with a principal diagnosis of Ischemic stroke, and a history of Atrial Ablation, or current or history of Atrial Fibrillation/Flutter

> **Denominator:** "Encounter with Atrial Ablation Procedure"
>
> union "Encounter with a History of Atrial Fibrillation or Flutter"
> union "Encounter with Current Diagnosis Atrial Fibrillation or Flutter"

Encounter with Atrial Ablation Procedure:

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with ["Procedure, Performed": "Atrial Ablation"] AtrialAblation
    such that AtrialAblation.relevantPeriod starts before start of
      IschemicStrokeEncounter.relevantPeriod

History of Atrial Fibrillation or Flutter:

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with ["Diagnosis": "Atrial Fibrillation/Flutter"] AtrialFibrillationFlutter
    such that AtrialFibrillationFlutter.prevalencePeriod starts on or before
      end of IschemicStrokeEncounter.relevantPeriod

Current Diagnosis Atrial Fibrillation or Flutter

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  where exists (IschemicStrokeEncounter.diagnoses Diagnosis
  where Diagnosis in "Atrial Fibrillation/Flutter")

Denominator Exclusions

Inpatient hospitalizations for patients admitted for elective carotid intervention
Inpatient hospitalizations for patients discharged to another hospital
Inpatient hospitalizations for patients who left against medical advice
Inpatient hospitalizations for patients who expired
Inpatient hospitalizations for patients discharged to home for hospice care
Inpatient hospitalizations for patients discharged to a health care facility for hospice care
Inpatient hospitalizations for patients with comfort measures documented

Denominator Exclusions: ("Denominator" Encounter where
Encounter.dischargeDisposition in "Discharge To Acute Care Facility"
or Encounter.dischargeDisposition in "Left Against Medical Advice"
or Encounter.dischargeDisposition in "Patient Expired"
or Encounter.dischargeDisposition in "Discharged to Home for Hospice Care"
or Encounter.dischargeDisposition in "Discharged to Health Care Facility for Hospice Care")
union "Comfort Measures during Hospitalization"

Denominator:

- ("Denominator" Encounter where Encounter.dischargeDisposition in "Discharge To Acute Care Facility"
or Encounter.dischargeDisposition in "Left Against Medical Advice"
or Encounter.dischargeDisposition in "Patient Expired"
or Encounter.dischargeDisposition in "Discharged to Home for Hospice Care"
or Encounter.dischargeDisposition in "Discharged to Health Care Facility for Hospice Care")

TJC.Intervention Comfort Measures:

- "Denominator" Encounter with TJC."Intervention Comfort Measures" ComfortMeasure
such that Coalesce(start of ComfortMeasure.relevantPeriod,
ComfortMeasure.authorDatetime)during Global."HospitalizationWithObservation"(Encounter)

  TJC.Intervention Comfort Measures:

  - ["Intervention, Order": "Comfort Measures"]
  union ["Intervention, Performed": "Comfort Measures"]

Numerator

Inpatient hospitalizations for patients prescribed or continuing to take anticoagulation therapy at hospital discharge

Numerator: "Denominator" Encounter with "Anticoagulant Therapy at Discharge" DischargeAnticoagulant such that DischargeAnticoagulant.authorDatetime during Encounter.relevantPeriod

Denominator:

- "Encounter with Atrial Ablation Procedure"
  union "Encounter with a History of Atrial Fibrillation or Flutter"
  union "Encounter with Current Diagnosis Atrial Fibrillation or Flutter"

Anticoagulant Therapy at Discharge:

- ["Medication, Discharge": "Anticoagulant Therapy"]

Inpatient hospitalizations for patients with a documented reason for not prescribing anticoagulant therapy at discharge

Denominator Exceptions: "Denominator" Encounter
                                with "Reason for Not Giving Anticoagulant at Discharge"
                                NoDischargeAnticoagulant
                                such that NoDischargeAnticoagulant.authorDatetime during
                                Encounter.relevantPeriod

Reason for Not Giving Anticoagulant at Discharge:
- ["Medication, Not Discharged": "Anticoagulant Therapy"] NoAnticoagulant
  where NoAnticoagulant.negationRationale in "Medical Reason"
  or NoAnticoagulant.negationRationale in "Patient Refusal"

STK-6 Discharged on Statin Medication (CMS105v9)

Denominator Exclusions

Inpatient hospitalizations for patients admitted for elective carotid intervention
Inpatient hospitalizations for patients discharged to another hospital
Inpatient hospitalizations for patients who left against medical advice
Inpatient hospitalizations for patients who expired
Inpatient hospitalizations for patients discharged to home for hospice care
Inpatient hospitalizations for patients discharged to a health care facility for hospice care
Inpatient hospitalizations for patients with comfort measures documented

Denominator Exclusions: TJC."Ischemic Stroke Encounters with Discharge Disposition"

union TJC."Comfort Measures during Hospitalization"

TJC.Ischemic Stroke Encounters with Discharge Disposition:

- (("Ischemic Stroke Encounter" IschemicStrokeEncounter
  where IschemicStrokeEncounter.dischargeDisposition in "Discharge To Acute Care Facility"
  or IschemicStrokeEncounter.dischargeDisposition in "Left Against Medical Advice"
  or IschemicStrokeEncounter.dischargeDisposition in "Patient Expired"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Home for Hospice Care"
  or IschemicStrokeEncounter.dischargeDisposition in "Discharged to Health Care Facility for Hospice Care"))

TJC.Comfort Measures during Hospitalization:

- "Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Intervention Comfort Measures" ComfortMeasure
  such that Coalesce(start of ComfortMeasure.relevantPeriod,
  ComfortMeasure.authorDatetime)during Global."HospitalizationWithHospitalization
  "(IschemicStrokeEncounter)

  TJC.Intervention Comfort Measures:

  - ["Intervention, Order": "Comfort Measures"]
    union ["Intervention, Performed": "Comfort Measures"]

Inpatient hospitalization for patients prescribed or continuing to take statin medication at hospital discharge

Numerator: TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with "Statin at Discharge" DischargeStatin
such that DischargeStatin.authorDatetime during IschemicStrokeEncounter.relevantPeriod

Statin at Discharge:
- ["Medication, Discharge": "Statin Grouper"]

Denominator Exceptions

Inpatient hospitalizations for patients with a reason for not prescribing statin medication at discharge
Inpatient hospitalizations for patients with a maximum LDL-c result of less than 70 mg/dL <= 30 days prior to arrival or any time during the hospital stay
Inpatient hospitalizations for patients with a statin allergy

Denominator Exceptions: (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with "Statin Not Given at Discharge" NoDischargeStatin
such that NoDischargeStatin.authorDatetime during
IschemicStrokeEncounter.relevantPeriod)
union (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with "Statin Allergy" StatinAllergy
such that StatinAllergy.prevalencePeriod starts on or before end of
IschemicStrokeEncounter.relevantPeriod)
union "Encounter with Max LDL less than 70 mg per dL"

Statin Not Given at Discharge:
- ["Medication, Not Discharged": "Statin Grouper"] NoStatinDischarge
  where NoStatinDischarge.negationRationale in "Medical Reason"
  or NoStatinDischarge.negationRationale in "Patient Refusal"

Statin Allergy:
- ["Allergy/Intolerance": "Statin Allergen"]

Encounter with Max LDL less than 70 mg per dL
- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  where Max(["Laboratory Test, Performed": "LDL-c"] Ldl
  where Ldl.resultDatetime during Interval[Global."ToDate"(start of
IschemicStrokeEncounter.relevantPeriod - 30 days),
  end of IschemicStrokeEncounter.relevantPeriod]
  return Ldl.result as Quantity)< 70 'mg/dL'

Inpatient hospitalizations for patients with a reason for not prescribing statin medication at discharge
Inpatient hospitalizations for patients with a maximum LDL-c result of less than 70 mg/dL <= 30 days prior to arrival or any time during the hospital stay
Inpatient hospitalizations for patients with a statin allergy

Denominator Exceptions: (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Statin Not Given at Discharge" NoDischargeStatin
  such that NoDischargeStatin.authorDatetime during
  IschemicStrokeEncounter.relevantPeriod)
  union (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  with "Statin Allergy" StatinAllergy
  such that StatinAllergy.prevalencePeriod starts on or before end of
  IschemicStrokeEncounter.relevantPeriod)
  union "Encounter with Max LDL less than 70 mg per dL"

Statin Allergy:
- ["Allergy/Intolerance": "Statin Allergen"]

| 372912004 | Substance with 3-hydroxy-3-methylglutaryl-coenzyme A reductase inhibitor mechanism of action (substance) | SNOMEDCT | 20 |

Inpatient hospitalizations for patients with a reason for not prescribing statin medication at discharge

Inpatient hospitalizations for patients with a maximum LDL-c result of less than 70 mg/dL <= 30 days prior to arrival or any time during the hospital stay

Inpatient hospitalizations for patients with a statin allergy

Denominator Exceptions: (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with "Statin Not Given at Discharge" NoDischargeStatin
such that NoDischargeStatin.authorDatetime during
IschemicStrokeEncounter.relevantPeriod)
union (TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with "Statin Allergy" StatinAllergy
such that StatinAllergy.prevalencePeriod starts on or before end of
IschemicStrokeEncounter.relevantPeriod)
union "Encounter with Max LDL less than 70 mg per dL"

Encounter with Max LDL less than 70 mg per dL

- TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
  where Max(["Laboratory Test, Performed": "LDL-c"] Ldl
  where Ldl.resultDatetime during Interval[Global."ToDate"(start of
  IschemicStrokeEncounter.relevantPeriod - 30 days),
  end of IschemicStrokeEncounter.relevantPeriod]
  return Ldl.result as Quantity)< 70 'mg/dL'

Question and Answer Segment

Questions for this segment were obtained from common questions submitted to JIRA and other sources

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Mathematica

Question: Why is Enoxaparin 40 mg not in the Antithrombotic Value Set?

Answer: Enoxaparin 40 mg is not a suitable dosage for treating acute stroke. The preferred antithrombotic should be Aspirin.

Question: Why is 100mg/mL included in the Antithrombotic Value Set if 40mg is not an acceptable dose?

Answer: RXNORM code 854255 Enoxaparin sodium 100 MG/ML Injectable is a generalized concept; organizations can map to this code using any dosage. However, the intended use is for therapeutic dosages that exceed 40mg.

Question: For stroke 2, if an antithrombotic medication is prescribed for discharge while the patient is in observation, will it count towards the numerator?

Answer: The logic does not look for a timestamp for when the prescription was written, but rather when the discharge medication list was authored.

Question: Was the clinical trials exclusion removed from the stroke measures?

Answer: No, it is included in the "Medical Reason" value set (2.16.840.1.113883.3.117.1.7.1.473).

Question: Can you review the hospitalization with observation function that includes Emergency Department and Observation encounters?

Hospitalization With Observation Function

Global.HospitalizationWithObservation (Encounter "Encounter, Performed"):
- Encounter Visit
  - let ObsVisit: Last(["Encounter, Performed": "Observation Services"] LastObs
    - where LastObs.relevantPeriod ends 1 hour or less on or before start of Visit.relevantPeriod
    - sort by
    - end of relevantPeriod
  -),
  - VisitStart: Coalesce(Start of ObsVisit.relevantPeriod, start of Visit.relevantPeriod),
  - EDVisit: Last(["Encounter,Performed": "Emergency Department Visit"] LastED
    - where LastED.relevantPeriod end 1 hour or less on or before VisitStart
    - sort by
    - end of relevantPeriod
  -)
  - return Interval[Coalesce(start of EDVisit.relevantPeriod, VisitStart),
  - end of Visit.relevantPeriod]

Hospitalization with Observation Illustration
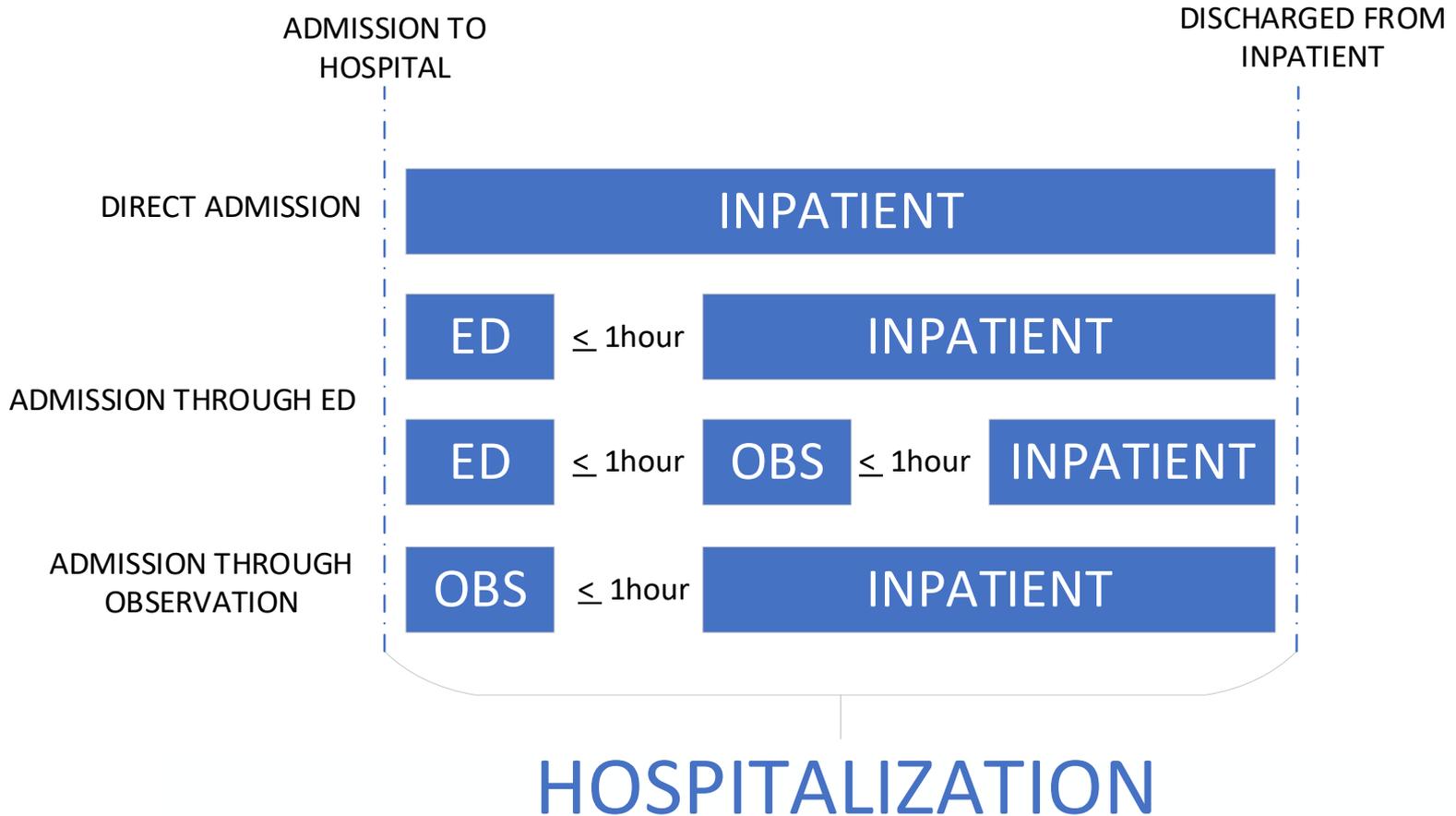
**If an ED or OBS visit exists prior to the inpatient encounter, then the time between the end of the visit and the start of the next transition of care must be equal to 1 hour or less.
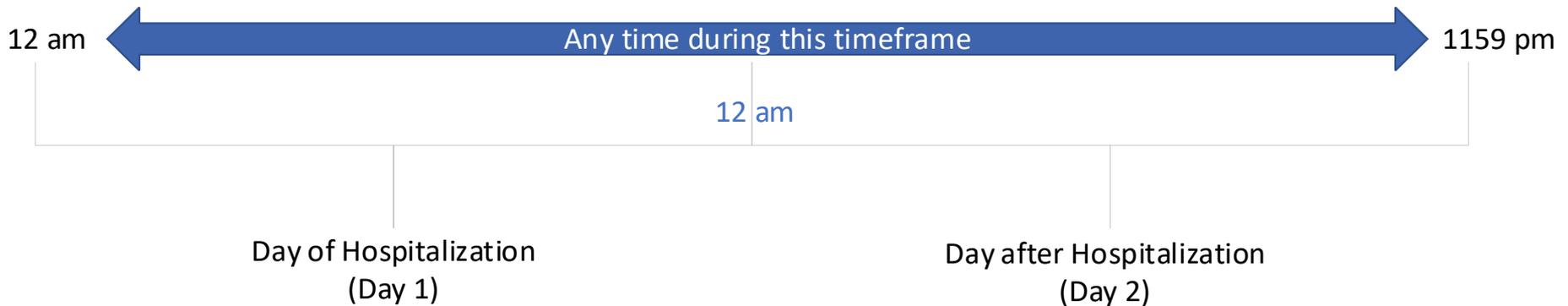
Question: For stroke 5, if a patient was admitted on 7/1 at 9am, what is the cut off for when an antithrombotic medication can be given to pass the Numerator?

Answer: They have until 1159pm on Day 2

Calendar Day of Day After

◢ **Encounter with Antithrombotic Therapy**

TJC."Ischemic Stroke Encounter" IschemicStrokeEncounter
with ["Medication, Administered": "Antithrombotic Therapy"] Antithrombotic
such that Antithrombotic.relevantPeriod starts during TJC."CalendarDayOfOrDayAfter" (start of Global."HospitalizationWithObservation" (IschemicStrokeEncounter))

12 am ◄———————— Any time during this timeframe ————————► 1159 pm

12 am

Day of Hospitalization
(Day 1)

Day after Hospitalization
(Day 2)

CalendarDayOfDayAfter

Pioneers in Quality On-Demand Webinar Expert to Expert Series
eCQM Annual Update:
PC-05 Exclusive Breast Milk Feeding

Yanyan Hu, MS

Susan Yendro MSN, RN

Mia Nievera, MSN, RN

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PC-05 Exclusive Breast Milk Feeding

- The intent of the measure is to increase the number of newborns who are exclusively fed breast milk during the birth hospitalization

- Breastfeeding/ human milk is the recommended standard for infant feeding

- There are well-documented short- and long-term medical and developmental advantages of breastfeeding

- Healthy People, CDC and many other organizations actively promote this goal

- Continued opportunity for improvement, the aggregate rate for organizations submitting the eCQM was 58% in 2018

- Measure performance rates of 100% are not expected, available evidence suggests that a 70% threshold may be a more reasonable target for many organizations

Initial Population – PC-05

2021 Initial Population:

Inpatient hospitalizations for single newborns who were born in the hospital that ends during the measurement period, and with either of the following conditions:

- An estimated gestational age at birth of >= 37 weeks

- **Birth weight >= 3000 grams without an estimated gestational age at birth**

Initial Population: **"Single Live Term Newborn Encounter During Measurement Period"**

2020 Initial Population:

Inpatient hospitalizations for single newborns with an estimated gestational age at birth of >=37 weeks **who are born in the hospital and who did not have a diagnosis of galactosemia, were not subject to parenteral nutrition, and had a length of stay less than or equal to 120 days that ends during the measurement period.**

Initial Population: **"Single Live Birth Encounter With Gestational Age 37 Weeks or More"**

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Initial Population – PC-05 (CMS9v9)

Single Live Term Newborn Encounter During Measurement Period
  ("Single Live Birth Encounter With Gestational Age 37 Weeks or More"
   union "Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age") SingleLiveTermEncounter
   where SingleLiveTermEncounter.relevantPeriod ends during "Measurement Period"

    Single Live Birth Encounter With Gestational Age 37 Weeks or More
      ""Single Live Birth Encounter" SingleLiveBirthEncounter
       with ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
       such that GestationalAge.result >= 37 'wk'
        and GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod

    Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age
      "Single Live Birth Encounter" SingleLiveBirthEncounter
       without ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
       such that GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
        and GestationalAge.result is not null
      with ["Assessment, Performed": "Birth Weight"] BirthWeight
       such that BirthWeight.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
       and BirthWeight.result >= 3000 'g'

        Single Live Birth Encounter
          ["Encounter, Performed": "Encounter Inpatient"] InpatientEncounter
           where exists (InpatientEncounter.diagnoses EncounterDiagnoses
            where EncounterDiagnoses.code in "Single Live Born Newborn Born in Hospital"

Initial Population – PC-05 (CMS9v9)

Initial Population: *"Single Live Term Newborn Encounter During Measurement Period"*

Single Live Term Newborn Encounter During Measurement Period
("Single Live Birth Encounter With Gestational Age 37 Weeks or More"
    union "Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age") SingleLiveTermEncounter
    where SingleLiveTermEncounter.relevantPeriod ends during "Measurement Period"

    Single Live Birth Encounter With Gestational Age 37 Weeks or More
        ""Single Live Birth Encounter" SingleLiveBirthEncounter
          with ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
          such that GestationalAge.result >= 37 'wk'
           and GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod

    Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age
        "Single Live Birth Encounter" SingleLiveBirthEncounter
          without ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
          such that GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
           and GestationalAge.result is not null
         with ["Assessment, Performed": "Birth Weight"] BirthWeight
          such that BirthWeight.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
           and BirthWeight.result >= 3000 'g'

        Single Live Birth Encounter
          ["Encounter, Performed": "Encounter Inpatient"] InpatientEncounter
           where exists (InpatientEncounter.diagnoses EncounterDiagnoses
             where EncounterDiagnoses.code in "Single Live Born Newborn Born in Hospital"

Initial Population – PC-05 (CMS9v9)

Initial Population: *"Single Live Term Newborn Encounter During Measurement Period"*

Single Live Term Newborn Encounter During Measurement Period
  ("Single Live Birth Encounter With Gestational Age 37 Weeks or More"
    union "Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age") SingleLiveTermEncounter
    where SingleLiveTermEncounter.relevantPeriod ends during "Measurement Period"

    Single Live Birth Encounter With Gestational Age 37 Weeks or More
      ""Single Live Birth Encounter" SingleLiveBirthEncounter
        with ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
        such that GestationalAge.result >= 37 'wk'
          and GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod

    Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age
      "Single Live Birth Encounter" SingleLiveBirthEncounter
        without ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
        such that GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
          and GestationalAge.result is not null
       with ["Assessment, Performed": "Birth Weight"] BirthWeight
        such that BirthWeight.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
          and BirthWeight.result >= 3000 'g'

        Single Live Birth Encounter
          ["Encounter, Performed": "Encounter Inpatient"] InpatientEncounter
            where exists (InpatientEncounter.diagnoses EncounterDiagnoses
              where EncounterDiagnoses.code in "Single Live Born Newborn Born in Hospital"

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Denominator – PC-05

Initial Population

<div style="background-color:#1a2f5c; color:white; padding:10px;">

Denominator: "Initial Population"

</div>

Initial Population

  "Single Live Term Newborn Encounter During Measurement Period"

Single Live Term Newborn Encounter During Measurement Period
  ("Single Live Birth Encounter With Gestational Age 37 Weeks or More"
        union "Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age") SingleLiveTermEncounter
        where SingleLiveTermEncounter.relevantPeriod ends during "Measurement Period

    Single Live Birth Encounter With Gestational Age 37 Weeks or More
        ""Single Live Birth Encounter" SingleLiveBirthEncounter
            with ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
            such that GestationalAge.result >= 37 'wk'
              and GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod

    Single Live Birth Encounter With Birth Weight 3000 grams or More Without Gestational Age
        "Single Live Birth Encounter" SingleLiveBirthEncounter
          without ["Assessment, Performed": "Gestational age--at birth"] GestationalAge
          such that GestationalAge.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
              and GestationalAge.result is not null
          with ["Assessment, Performed": "Birth Weight"] BirthWeight
          such that BirthWeight.relevantDatetime during SingleLiveBirthEncounter.relevantPeriod
            and BirthWeight.result >= 3000 'g'

        Single Live Birth Encounter
          ▪ ["Encounter, Performed": "Encounter Inpatient"] InpatientEncounter
            where exists (InpatientEncounter.diagnoses EncounterDiagnoses
              where EncounterDiagnoses.code in "Single Live Born Newborn Born in Hospital"

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Denominator Exclusions – PC-05

2021 Denominator Exclusions :

Inpatient hospitalizations for newborns who were with any of the following conditions:

- admitted to the Neonatal Intensive Care Unit (NICU)
- transferred to an acute care facility, or other health care facility
- expired during the hospitalization
- **a length of stay greater than 120 days that ends during the measurement period**
- **a diagnosis of galactosemia**
- **subject to parenteral nutrition**

Denominator Exclusions :   "Single Live Term Newborn Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired"

union "Single Live Term Newborn Encounter With Length of Stay More Than 120 days"

union "Single Live Term Newborn Encounter With Galactosemia or Parenteral Nutrition"

2020 Denominator Exclusions :

Inpatient hospitalizations for newborns who were admitted to the Neonatal Intensive Care Unit (NICU), who were transferred to an acute care facility or other health care facility , or who expired during the hospitalization

Denominator Exclusions :   "Single Live Birth Encounter With Newborn to NICU or Discharge to Acute Care   or Other Health Care Facility or Expired"

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Denominator Exclusions – PC-05

Inpatient hospitalizations for newborns who were with any of the following conditions:
- transferred to an acute care facility, or other health care facility
- expired during the hospitalization
- a length of stay greater than 120 days that ends during the measurement period
- a diagnosis of galactosemia
- subject to parenteral nutrition - Birth weight >= 3000 grams without an estimated gestational age at birth

Denominator Exclusions: "Single Live Term Newborn Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired"

union "Single Live Term Newborn Encounter With Length of Stay More Than 120 days"

union "Single Live Term Newborn Encounter With Galactosemia or Parenteral

Single Live Birth Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired
"Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
where exists (QualifyingEncounter.facilityLocations NICU
where NICU.code in "Neonatal Intensive Care Unit (NICU)")
or QualifyingEncounter.dischargeDisposition in "Patient Expired"
or QualifyingEncounter.dischargeDisposition in "Discharge To Acute Care Facility"
or QualifyingEncounter.dischargeDisposition in "Other Health Care Facility"

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Denominator Exclusions – PC-05

Inpatient hospitalizations for newborns who were with any of the following conditions:
- transferred to an acute care facility, or other health care facility
- expired during the hospitalization
- a length of stay greater than 120 days that ends during the measurement period
- a diagnosis of galactosemia
- subject to parenteral nutrition - Birth weight >= 3000 grams without an estimated gestational age at birth

Denominator Exclusions: "Single Live Term Newborn Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired"

union "Single Live Term Newborn Encounter With Length of Stay More Than 120 days"

union "Single Live Term Newborn Encounter With Galactosemia or Parenteral

Single Live Birth Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired
"Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
where Global."LengthInDays" (QualifyingEncounter.relevantPeriod) > 120

Global.LengthInDays(Value Interval<DateTime>)
difference in days between start of Value and end of Value

Denominator Exclusions – PC-05

Inpatient hospitalizations for newborns who were with any of the following conditions:
- transferred to an acute care facility, or other health care facility
- expired during the hospitalization
- a length of stay greater than 120 days that ends during the measurement period
- a diagnosis of galactosemia
- subject to parenteral nutrition

Denominator Exclusions: "Single Live Term Newborn Encounter With Newborn to NICU or Discharge to Acute Care or Other Health Care Facility or Expired"

union "Single Live Term Newborn Encounter With Length of Stay More Than 120 days"

union "Single Live Term Newborn Encounter With Galactosemia or Parenteral

Single Live Term Newborn Encounter With Galactosemia or Parenteral Nutrition
("Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
    with ["Procedure, Performed": "Parenteral Nutrition"] ParenteralNutrition
        such that ParenteralNutrition.relevantPeriod starts during QualifyingEncounter.relevantPeriod
)
        union ("Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
            where exists (QualifyingEncounter.diagnoses BirthEncounterDiagnoses
                where BirthEncounterDiagnoses.code in "Galactosemia"
)
)

Numerator – PC-05

Inpatient hospitalizations for newborns who were fed breast milk only since birth

Numerator: "Single Live Birth Encounter With Newborn Fed Breast Milk Only Since Birth"

Single Live Birth Encounter With Newborn Fed Breast Milk Only Since Birth
"Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
with ["Substance, Administered": "Breast Milk"] BreastMilkFeeding
such that BreastMilkFeeding.relevantPeriod starts during QualifyingEncounter.relevantPeriod
without ["Substance, Administered": "Dietary Intake Other than Breast Milk"] OtherFeeding
such that OtherFeeding.relevantPeriod starts during QualifyingEncounter.relevantPeriod

Numerator – PC-05

Inpatient hospitalizations for newborns who were fed breast milk only since birth

Numerator: "Single Live Birth Encounter With Newborn Fed Breast Milk Only Since Birth"

Single Live Birth Encounter With Newborn Fed Breast Milk Only Since Birth
- "Single Live Term Newborn Encounter During Measurement Period" QualifyingEncounter
  with ["Substance, Administered": "Breast Milk"] BreastMilkFeeding
  such that BreastMilkFeeding.relevantPeriod starts during QualifyingEncounter.relevantPeriod
  without ["Substance, Administered": "Dietary Intake Other than Breast Milk"] OtherFeeding
  such that OtherFeeding.relevantPeriod starts during QualifyingEncounter.relevantPeriod

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Question and Answer Segment

Questions for this segment were obtained from common questions submitted to JIRA and other sources

Question: Why did LOS, a diagnosis of Galactosemia, and subject to Parenteral Nutrition move to Denominator Exclusions?

Answer: To have a common Initial Population across the perinatal care newborn measures.

Question: If the newborn is given glucose gel does that count as a feeding?

Answer: Dextrose or glucose 40% gel can be considered a medication not a feeding.

Question: Why were the maternal medical condition exclusions removed?

Answer: This change was made because these conditions are unusual (~2% of patients) and cannot be modeled in the eCQM.

Question: Is a specialty care nursery unit considered a NICU location?

Answer: Per the specifications: Only units that meet the AAP definition: A NICU is defined as a hospital unit providing critical care services which is organized with personnel and equipment to provide continuous life support and comprehensive care for extremely high-risk newborn infants and those with complex and critical illness (source: American Academy of Pediatrics).

Resources

eCQI Resource Center – EH Measures:
https://ecqi.healthit.gov/eligible-hospital/critical-access-hospital-ecqms

Pioneers In Quality
https://www.jointcommission.org/measurement/pioneers-in-quality/

ONC Issue Tracking System
https://oncprojectracking.healthit.gov/

Blueprint for the CMS Measures Management Systems version 16.0
https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/MMS/Downloads/Blueprint.pdf

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