

Pioneers in Quality On-Demand Webinar Expert to Expert CMS' Safe Use of Opioids – Concurrent Prescribing eCQM

This on-demand webinar will offer Continuing Education credit.

January 2021



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

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eCQM Basics (2 min/video)

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

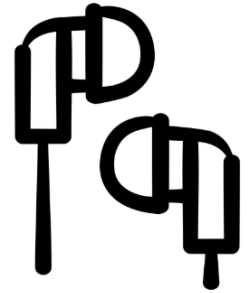
CQL Basics (11 min)

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

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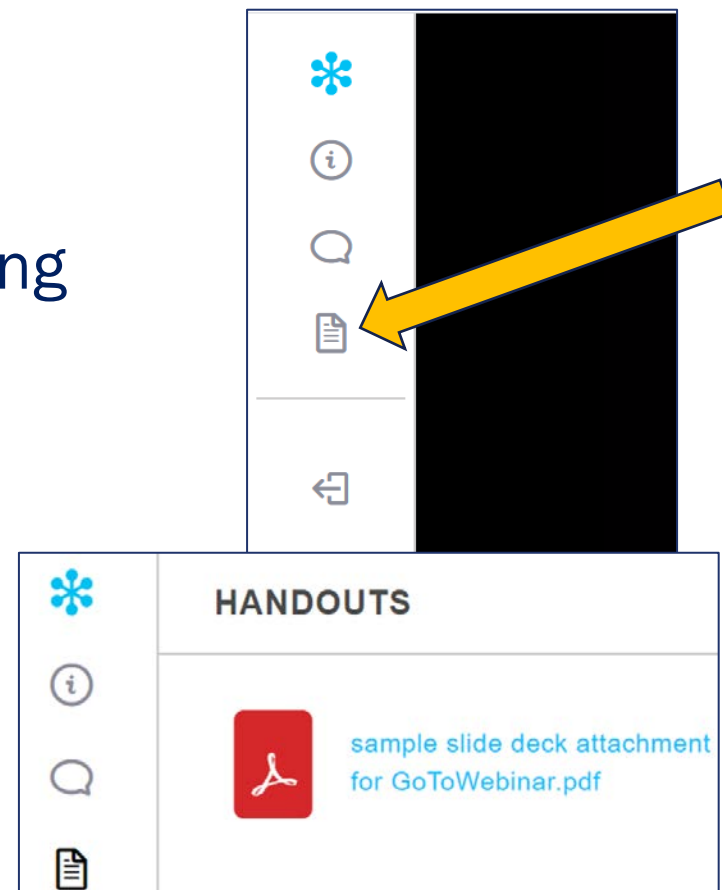
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CMS' Safe Use of Opioids - Concurrent Prescribing eCQM



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CMS' Safe Use of Opioids - Concurrent Prescribing eCQM

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At the end of this session, participants will be able to:

- Apply concepts learned about the CMS' Safe Use of Opioids - Concurrent Prescribing eCQM
- Identify common issues and questions regarding the CMS' Safe Use of Opioids - Concurrent Prescribing eCQM and
- Prepare to implement the CMS Safe Use of Opioids - Concurrent Prescribing eCQM adopted for the CY 2021 reporting period.

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™ Expert-to-Expert Series: Safe Use of Opioids—Concurrent Prescribing (CMS506)

Inpatient and Outpatient Measure Maintenance (IOMM)

Contract Number: 75FCMC18D0032

Task Order Number: 75FCMC19F0003

January 2021



Mathematica
Progress Together



The Joint Commission



Overview of Safe Use of Opioids— Concurrent Prescribing (CMS506)

Measure rationale and intent

- **Unintended opioid overdose fatalities** are a major public health concern (Rudd et al. 2016)
- **Concurrent prescriptions of opioids or of opioids and benzodiazepines** place patients at a greater risk of unintentional overdose due to the increased risk of respiratory depression (Dowell et al. 2016); eliminating concurrent use of opioids and benzodiazepines could reduce the risk of emergency room and inpatient visits related to opioid overdose by 15% (Sun et al. 2017)
- **2016 CDC Guideline for Prescribing Opioids for Chronic Pain** recommends avoiding concurrently prescribing two or more opioids OR opioids and benzodiazepines whenever possible

CDC=The Centers for Disease Control and Prevention

Measure intent

1. Encourage providers to identify patients with concurrent prescriptions of opioids or opioids and benzodiazepines
2. Discourage providers from prescribing two or more opioids or opioids and benzodiazepines concurrently

Measure specifications

Description: Proportion of inpatient hospitalizations for patients ages 18 and older prescribed, or continued on, two or more opioids or an opioid and benzodiazepine concurrently at discharge

Denominator

Inpatient
hospitalization

18 years or older

New or continuing
opioid or
benzodiazepine at
discharge

Denominator exclusions

Cancer

Palliative or
hospice care

Numerator

Prescribed or
continuing use of

two or more
opioids

or

an opioid and
benzodiazepine
at discharge

Notable value sets (1)

Initial population/denominator

- Encounter inpatient (2.16.840.1.113883.3.666.5.307)
- Schedule II and III opioid medications (2.16.840.1.113762.1.4.1111.165)
- Schedule IV benzodiazepines (2.16.840.1.113762.1.4.1125.1)

Numerator

- Schedule II and III opioid medications (2.16.840.1.113762.1.4.1111.165)
- Schedule IV benzodiazepines (2.16.840.1.113762.1.4.1125.1)

Notable value sets (2)

Exclusions

- All primary and secondary cancer (2.16.840.1.113762.1.4.1111.161)
- Palliative or hospice care (2.16.840.1.113883.3.600.1.1579)
 - Comfort measures (1.3.6.1.4.33895.1.3.0.45)
 - Palliative SNOMED (2.16.840.1.113883.3.600.1.1578)



Overview of Measure Logic: Understanding CQL Definitions and Quality Data Model (QDM) Data Elements

Initial population

Inpatient hospitalizations (inpatient stay less than or equal to 120 days) that end during the measurement period, where the patient is 18 years old or older at the start of the encounter and prescribed a new or continuing opioid or benzodiazepine at discharge

Initial Population

/*Captures encounters of patients with an opioid(s), benzodiazepine, or a combination of these medications at discharge*/

"Inpatient Encounter with Age Greater Than or Equal to 18"

InpatientEncounter

with (["Medication, Discharge": "Schedule II and III Opioid Medications"]

union ["Medication, Discharge": "Schedule IV Benzodiazepines"])

OpioidOrBenzodiazepineDischargeMedication

such that OpioidOrBenzodiazepineDischargeMedication.authorDatetime
during InpatientEncounter.relevantPeriod

Inpatient encounter for patients 18 and older

Inpatient hospitalizations (inpatient stay less than or equal to 120 days) that end during the measurement period, **where the patient is 18 years old or older at the start of the encounter** and prescribed a new or continuing opioid or benzodiazepine at discharge

Inpatient Encounter with Age Greater Than or Equal to 18

Global. "Inpatient Encounter" InpatientHospitalEncounter

with ["Patient Characteristic Birthdate": "Birth date"] BirthDate

such that Global.CalendarAgeInYearsAt (BirthDate.birthDatetime, start of InpatientHospitalEncounter.relevantPeriod) ≥ 18

Global inpatient encounter

Inpatient hospitalizations (inpatient stay less than or equal to 120 days) that end during the measurement period, where the patient is 18 years old or older at the start of the encounter and prescribed a new or continuing opioid or benzodiazepine at discharge

Global.Inpatient Encounter

["Encounter, Performed": "Encounter Inpatient"] EncounterInpatient

where ***"LengthInDays"***(EncounterInpatient.relevantPeriod) <= 120

and EncounterInpatient.relevantPeriod ends during
"Measurement Period"

Initial population

Inpatient hospitalizations (inpatient stay less than or equal to 120 days) that end during the measurement period, where the patient is 18 years old or older at the start of the encounter and **prescribed a new or continuing opioid or benzodiazepine at discharge**

Initial Population

/*Captures encounters of patients with an opioid(s), benzodiazepine, or a combination of these medications at discharge*/

"Inpatient Encounter with Age Greater than or Equal to 18" InpatientEncounter
with (["Medication, Discharge": "Schedule II and III Opioid Medications"]
union ["Medication, Discharge": "Schedule IV Benzodiazepines"])
OpioidOrBenzodiazepineDischargeMedication

such that OpioidOrBenzodiazepineDischargeMedication.authorDatetime
during InpatientEncounter.relevantPeriod

Denominator

Initial Population

Denominator

“Initial Population”

Denominator exclusions (1)

Inpatient hospitalizations where patients have cancer that overlaps the encounter or are receiving palliative or hospice care (including comfort measures, terminal care, and dying care) during the encounter

Denominator Exclusions

```
/*Excludes patients with cancer or who are receiving palliative or hospice care at the time of the encounter*/  
"Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter  
  where exists ( ["Diagnosis": "All Primary and Secondary Cancer"] Cancer  
    where Cancer.prevalencePeriod overlaps InpatientEncounter.relevantPeriod  
  )  
  or exists ( InpatientEncounter.diagnoses Diagnosis  
    where Diagnosis.code in "All Primary and Secondary Cancer"  
  )  
  or exists ( ["Intervention, Order": "Palliative or Hospice Care"] PalliativeOrHospiceCareOrder  
    where PalliativeOrHospiceCareOrder.authorDatetime during  
    InpatientEncounter.relevantPeriod  
  )  
  or exists ( ["Intervention, Performed": "Palliative or Hospice Care"]  
    PalliativeOrHospiceCarePerformed  
    where PalliativeOrHospiceCarePerformed.relevantPeriod overlaps  
    InpatientEncounter.relevantPeriod
```

Denominator exclusions (2)

Inpatient hospitalizations where patients have cancer that overlaps the encounter or are receiving palliative or hospice care (including comfort measures, terminal care, and dying care) during the encounter

Denominator Exclusions

/*Excludes patients with cancer or who are receiving palliative or hospice care at the time of the encounter*/

"Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter

where exists (["Diagnosis": "All Primary and Secondary Cancer"] Cancer

where **Cancer.prevalencePeriod** overlaps InpatientEncounter.relevantPeriod

)

or exists (InpatientEncounter.diagnoses Diagnosis

where **Diagnosis.code** in "All Primary and Secondary Cancer"

)

Denominator exclusions (3)

Inpatient hospitalizations where patients have cancer that overlaps the encounter or are receiving palliative or hospice care (including comfort measures, terminal care, and dying care) during the encounter

Denominator Exclusions

or exists (["Intervention, Order": "Palliative or Hospice Care"]
PalliativeOrHospiceCareOrder

where PalliativeOrHospiceCareOrder.authorDatetime during
InpatientEncounter.relevantPeriod
)

or exists (["Intervention, Performed": "Palliative or Hospice Care"]
PalliativeOrHospiceCarePerformed

where PalliativeOrHospiceCarePerformed.relevantPeriod overlaps
InpatientEncounter.relevantPeriod

Numerator (1)

Inpatient hospitalizations where the patient is prescribed or continuing to take two or more opioids or an opioid and benzodiazepine at discharge

Numerator

/*Encounters of patients prescribed two or more opioids or an opioid and benzodiazepine at discharge.*/

```
( "Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter
  where ( Count(["Medication, Discharge": "Schedule II and III Opioid Medications"] Opioids
    where Opioids.authorDatetime during InpatientEncounter.relevantPeriod )>= 2 )
)
union ( "Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter
  with ["Medication, Discharge": "Schedule II and III Opioid Medications"] OpioidsDischarge
  such that OpioidsDischarge.authorDatetime during InpatientEncounter.relevantPeriod
  with ["Medication, Discharge": "Schedule IV Benzodiazepines"] BenzodiazepinesDischarge
  such that BenzodiazepinesDischarge.authorDatetime during
  InpatientEncounter.relevantPeriod)
```

Numerator (2)

Inpatient hospitalizations where the patient is prescribed or continuing to take two or more opioids or an opioid and benzodiazepine at discharge

Numerator

/*Encounters of patients prescribed two or more opioids or an opioid and benzodiazepine at discharge.*/

```
( "Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter
  where ( Count(["Medication, Discharge": "Schedule II and III Opioid
Medications"] Opioids
          where Opioids.authorDatetime during InpatientEncounter.relevantPeriod )>=
2 )
)
```

Numerator (3)

Inpatient hospitalizations where the patient is prescribed or continuing to take two or more opioids or an opioid and benzodiazepine at discharge

Numerator

union ("Inpatient Encounter with Age Greater Than or Equal to 18" InpatientEncounter
with ["Medication, Discharge": "Schedule II and III Opioid Medications"]
OpioidsDischarge
such that OpioidsDischarge.authorDatetime during
InpatientEncounter.relevantPeriod
with ["Medication, Discharge": "Schedule IV Benzodiazepines"]
BenzodiazepinesDischarge
such that BenzodiazepinesDischarge.authorDatetime during
InpatientEncounter.relevantPeriod)

Measure considerations

- **This measure is not expected to have a zero rate:**
 - Clinician judgment, clinical appropriateness, or both may indicate that concurrent prescribing of two unique opioids or an opioid and benzodiazepine is medically necessary
- **Differentiation between initial population and numerator**
 - **Initial population**
 - Inpatient hospitalizations with discharge medications of:
 - A new or continuing **opioid**
 - OR*
 - A new or continuing **benzodiazepine**
 - **Numerator**
 - Inpatient hospitalizations with discharge medications of:
 - **Two or more** new or continuing **opioids**
 - OR*
 - A new or continuing **opioid AND benzodiazepine**

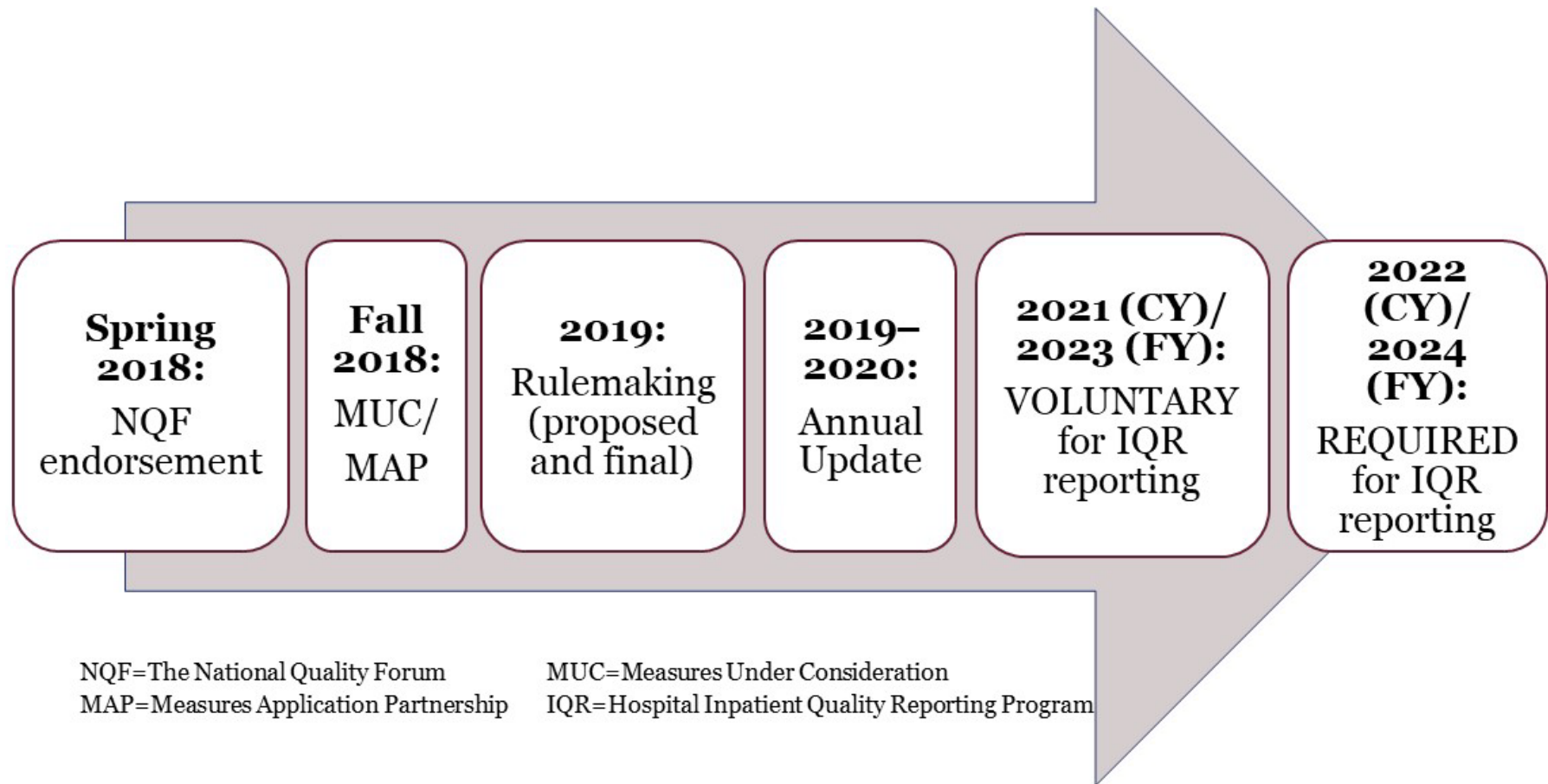


Question and Answer Segment

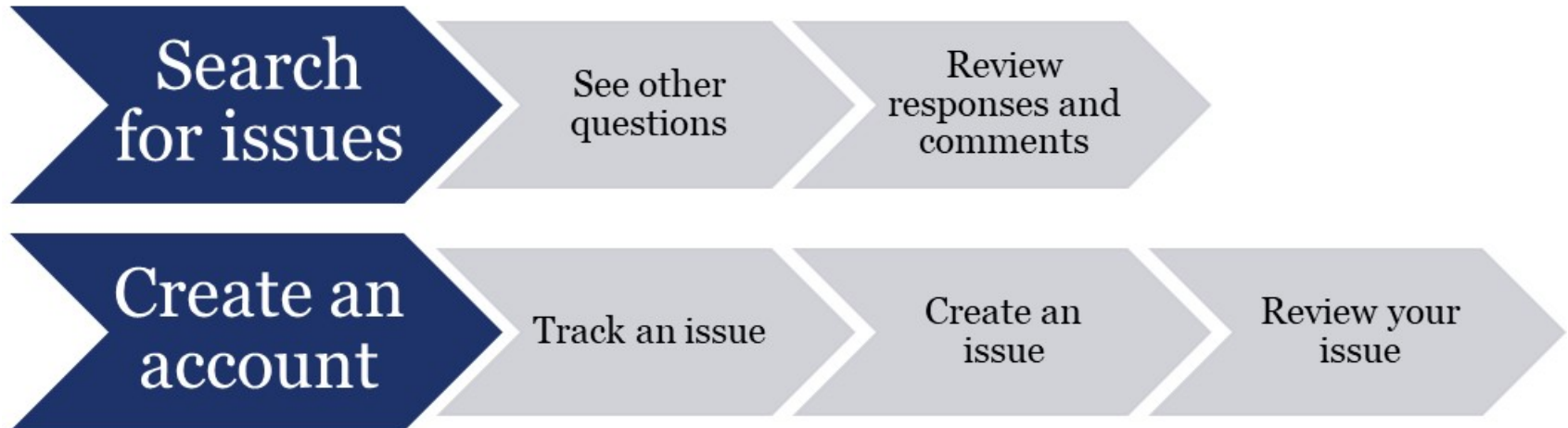


Questions for this segment were obtained from common questions submitted to JIRA and other sources


Implementation in Hospital Inpatient Quality Reporting (IQR) program





Giving input and asking questions on ONC JIRA





Feedback through JIRA


**eCQM Issue Tracker**

 Summary

 Issues


 Reports

 Components

Priority:  Moderate


Component/s: None

Labels: None


Solution:  Thank you for raising this issue, and we appreciate your feedback on how the measure fits into clinical workflow. We will consider adding discharge status codes in our next annual update. Please let us know if you have additional questions.


2021 Reporting Period CMS506v3/NQF3316e


EH/CAH eCQMs:


Impact:  Currently, the measure CMS506 requires orders for hospice or palliative care as a means of excluding the patient from the measure. After assessing the workflows in our facilities, it has been determined that, if a patient will be going into hospice or palliative care, the physician will complete a consult on the patient and will discharge the patient so they can then be admitted as a hospice patient. This workflow means that no specific hospice or palliative care order is entered on the patient during their inpatient stay. With consideration to this workflow, I would like to request the consideration of allowing the Discharge Status to be included in the measure logic as a means of determining if the patient went to hospice or palliative care. This would give the ability to look in more than one area of the record for validation of the patient status for those facilities whose workflow does not include specific hospice or palliative care orders.

Resolution: Answered

Reporter:  Brooke Villarreal

Votes:  0 Vote for this issue

Watchers:  3 Start watching this issue

 **Dates**

Created: 08/06/20 9:56 AM

Updated: 2 days ago

Resolved: 2 days ago

Solution Posted On: 2 days ago

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://oncprojecttracking.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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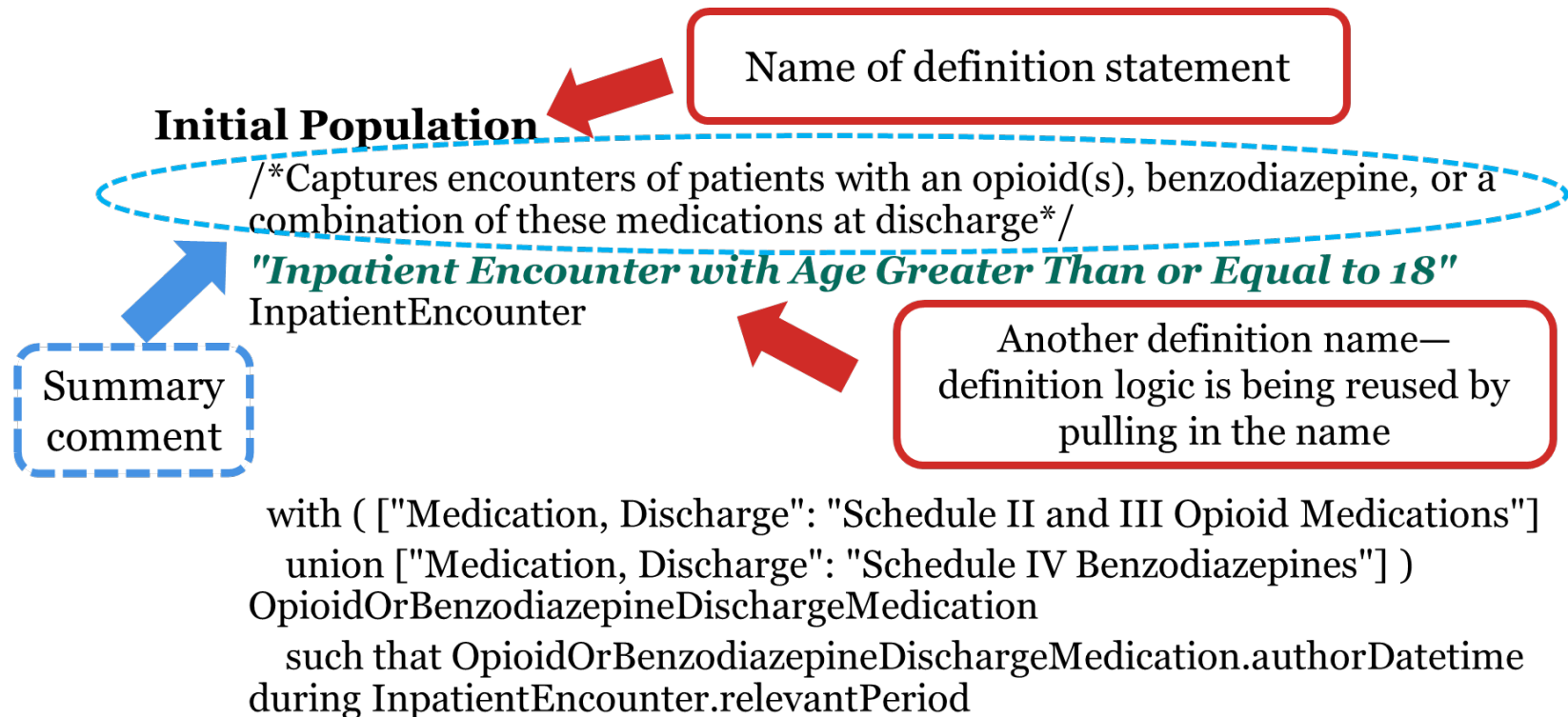
CMS' Safe Use of Opioids - Concurrent Prescribing eCQM





Appendix: Breaking Down the Logic (CQL Deconstructed)

Initial population



Inpatient encounter for patients 18 and older

Inpatient Encounter with Age Greater Than or Equal to 18

Global."Inpatient Encounter" InpatientHospitalEncounter

with ["Patient Characteristic Birthdate": "Birth date"] BirthDate

QDM defining LOINC code for birthdate

such that Global.CalendarAgeInYearsAt (BirthDate.birthDatetime,
start of InpatientHospitalEncounter.relevantPeriod) **>= 18**

Timing

Interval of
inpatient stay

Point in time of
birth

Global inpatient encounter

Global.Inpatient Encounter

QDM defining values sets for
inpatient encounters

["Encounter, Performed": "Encounter Inpatient"] EncounterInpatient

where *"LengthInDays"*(EncounterInpatient.relevantPeriod) \leq **120**

and EncounterInpatient.relevantPeriod **ends during**
"Measurement Period"

Interval of inpatient
stay

Timing

Initial population

Initial Population (continued)

with [["Medication, Discharge": "Schedule II and III Opioid Medications"]]

QDM defining values sets for medication at discharge

union [["Medication, Discharge": "Schedule IV Benzodiazepines"])
OpioidOrBenzodiazepineDischargeMedication

such that

Point in time that discharge medication (opioid OR
benzodiazepine) is entered in EHR

OpioidOrBenzodiazepineDischargeMedication.authorDatetime during
InpatientEncounter.relevantPeriod

Interval of inpatient stay

Denominator exclusions (1)

Denominator Exclusions

/*Excludes patients with cancer or who are receiving palliative or hospice care at the time of the encounter*/

"Inpatient Encounter with Age Greater Than or Equal to 18"

InpatientEncounter

where exists (["Diagnosis": "All Primary and Secondary Cancer"] Cancer)

where Cancer.prevalencePeriod overlaps

InpatientEncounter.relevantPeriod

Interval of active cancer

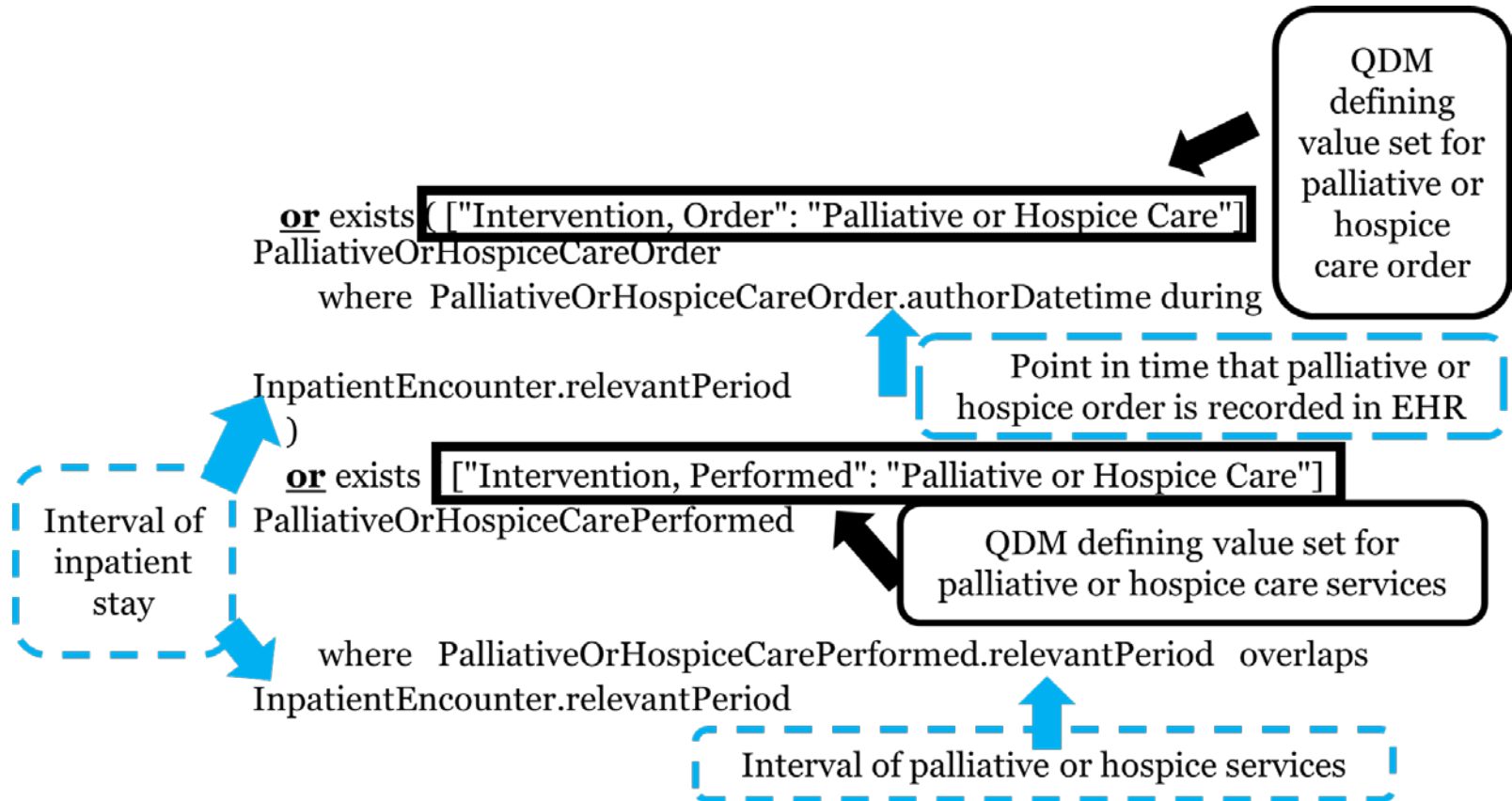
or exists (InpatientEncounter.diagnoses Diagnosis

where Diagnosis.code in "All Primary and Secondary Cancer"

Interval of inpatient stay

QDM defining cancer value set

Denominator exclusions (2)



Numerator (1)

Numerator

/*Encounters of patients prescribed two or more opioids or an opioid and benzodiazepine at discharge.*/

(*"Inpatient Encounter with Age Greater Than or Equal to 18"*
InpatientEncounter

where (Count(["Medication, Discharge": "Schedule II and III Opioid Medications"] Opioids

Point in time that discharge opioid
prescription for opioids only is recorded in EHR
where Opioids.authorDatetime during InpatientEncounter.relevantPeriod
)>= 2)
)

QDM defining
values sets for
medication at
discharge

Interval of inpatient stay

Numerator (2)

Numerator

union (*"Inpatient Encounter with Age Greater Than or Equal to 18"* InpatientEncounter

with ["Medication, Discharge": "Schedule II and III Opioid Medications"]
OpioidsDischarge

Point in
time that
discharge
opioid
prescrip-
tions are
recorded
in EHR

such that OpioidsDischarge.authorDatetime during InpatientEncounter.relevantPeriod

Interval of inpatient stay

with ["Medication, Discharge": "Schedule IV Benzodiazepines"]
BenzodiazepinesDischarge

Point in time that discharge benzodiazepine
prescriptions are recorded in EHR

such that BenzodiazepinesDischarge.authorDatetime during
InpatientEncounter.relevantPeriod)

Interval of inpatient stay

QDM
defining
values sets
for
medication
at discharge

References

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Sun, E., A. Dixit, K. Humphreys, et al. “Association Between Concurrent Use of Prescription Opioids and Benzodiazepines and Overdose: Retrospective Analysis.” *BMJ*, vol. 356, 2017, p. j760. Available at <http://www.bmj.com/content/356/bmj.j760>. Accessed March 27,2020.

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