Falls: Screening for Future Fall Risk

**eCQM Title:** Falls: Screening for Future Fall Risk

**eCQM Identifier (Measure Authoring Tool):** 139

**eCQM Version Number:** 12.0.000

**NQF Number:** Not Applicable

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**Measurement Period:** January 1, 20XX through December 31, 20XX

**Measure Steward:** National Committee for Quality Assurance

**Measure Developer:** National Committee for Quality Assurance

**Measure Developer:** American Medical Association (AMA)

**Measure Developer:** PCPI(R) Foundation (PCPI[R])

**Endorsed By:** None

**Description:**
Percentage of patients 65 years of age and older who were screened for future fall risk during the measurement period.

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**Measure Scoring:** Proportion

**Measure Type:** Process

**Stratification:** None

**Risk Adjustment:** None

**Rate Aggregation:** None

As the leading cause of both fatal and nonfatal injuries for older adults, falls are one of the most common and significant health issues facing people aged 65 years or older (Schneider, Shubert and Harmon, 2010). Moreover, the rate of falls increases with age (Dykes et al., 2010). Older adults are five times more likely to be hospitalized for fall-related injuries than any other cause-related injury. It is estimated that one in every three adults over 65 will fall each year (Centers for Disease Control and Prevention, 2015). In those over age 80, the rate of falls increases to fifty percent (Doherty et al., 2009). Falls are also associated with substantial cost and resource use, approaching $30,000 per fall hospitalization (Wolosin et al., 2011). Identifying at-risk patients is the most important part of management, as applying preventive measures in this vulnerable population can have a profound effect on public health (al-Aama, 2011). Family physicians have a pivotal role in screening older patients for risk of falls, and applying preventive strategies for patients at risk (al-Aama, 2011).

All older persons who are under the care of a health professional (or their caregivers) should be asked at least once a year about falls. (American Geriatrics Society/British Geriatric Society/American Academy of Orthopaedic Surgeons, 2010)

**Clinical Recommendation Statement:**
Older persons who present for medical attention because of a fall, report recurrent falls in the past year, or demonstrate abnormalities of gait and/or balance should have a fall evaluation performed. This evaluation should be performed by a clinician with appropriate skills and experience, which may necessitate referral to a specialist (e.g., geriatrician). (AGS/BGS/AAOSS, 2010)

**Improvement Notation:**
A higher score indicates better quality

**Reference:**
Reference Type: CITATION

Reference Type: CITATION

Reference Type: CITATION

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Reference Type: CITATION


Definition

Fall: A sudden, unintentional change in position causing an individual to land at a lower level, on an object, the floor, or the ground, other than as a consequence of sudden onset of paralysis, epileptic seizure, or overwhelming external force.

This eCQM is a patient-based measure.

Guidance

This version of the eCQM uses QDM version 5.6. Please refer to the eCQI resource center (https://ecqi.healthit.gov/qdm) for more information on the QDM.

Transmission Format

TBD

Initial Population

Patients aged 65 years and older at the start of the measurement period with a visit during the measurement period

Denominator

Equals Initial Population

Denominator Exclusions

Exclude patients who are in hospice care for any part of the measurement period

Numerator

Patients who were screened for future fall risk at least once within the measurement period

Numerator Exclusions

None

Denominator Exceptions

None

Supplemental Data Elements

For every patient evaluated by this measure also identify payer, race, ethnicity and sex

Table of Contents

- Population Criteria
- Definitions
- Functions
- Terminology
- Data Criteria [QDM Data Elements]
- Supplemental Data Elements
- Risk Adjustment Variables

Population Criteria

- Initial Population
  - AgeInYearsAt(date from start of "Measurement Period") >= 65 and exists "Qualifying Encounter"

- Denominator
  - "Initial Population"

- Denominator Exclusions
  - Hospice."Has Hospice Services"

- Numerator
  - exists (["Assessment, Performed": "Falls Screening"] FallsScreening where Global."NormalizeInterval" ( FallsScreening.relevantDatetime, FallsScreening.relevantPeriod ) during day of "Measurement Period"

- Numerator Exclusions
  - None

- Denominator Exceptions
  - None

- Stratification
  - None

Definitions

- Denominator
  - "Initial Population"

- Denominator Exclusions
  - Hospice."Has Hospice Services"
Hospice Has Hospice Services

exists ( ["Encounter, Performed": "Encounter Inpatient"] InpatientEncounter where InpatientEncounter.dischargeDisposition ~ "Discharge to home for hospice care (procedure)"
  or InpatientEncounter.dischargeDisposition ~ "Discharge to healthcare facility for hospice care (procedure)"
  and InpatientEncounter.relevantPeriod ends during day of "Measurement Period"
  )
  or exists ( ["Encounter, Performed": "Hospice Encounter"] HospiceEncounter where HospiceEncounter.relevantPeriod overlaps day of "Measurement Period"
    )
  or exists ( ["Assessment, Performed": "Hospice care [Minimum Data Set]"] HospiceAssessment where HospiceAssessment.result ~ "Yes (qualifier value)"
    and Global.NormalizeInterval ( HospiceAssessment.relevantDatetime, HospiceAssessment.relevantPeriod ) overlaps day of "Measurement Period"
    )
  or exists ( ["Intervention, Order": "Hospice Care Ambulatory"] HospiceOrder where HospiceOrder.authorDatetime during day of "Measurement Period"
    )
  or exists ( ["Intervention, Performed": "Hospice Care Ambulatory"] HospicePerformed where Global.NormalizeInterval ( HospicePerformed.relevantDatetime, HospicePerformed.relevantPeriod ) overlaps day of "Measurement Period"
    )
  or exists ( ["Diagnosis": "Hospice Diagnosis"] HospiceCareDiagnosis where HospiceCareDiagnosis.prevalencePeriod overlaps day of "Measurement Period"
    )

Initial Population

AgeInYearsAt(date from start of "Measurement Period") >= 65
and exists "Qualifying Encounter"

Numerator

exists ( ["Assessment, Performed": "Falls Screening"] FallsScreening where Global.NormalizeInterval ( FallsScreening.relevantDatetime, FallsScreening.relevantPeriod ) during day of "Measurement Period"
  )

SDE Ethnicity

["Patient Characteristic Ethnicity": "Ethnicity"]

SDE Payer

["Patient Characteristic Payer": "Payer"]

SDE Race

["Patient Characteristic Race": "Race"]

SDE Sex

["Patient Characteristic Sex": "ONC Administrative Sex"]

Functions

Global.NormalizeInterval(pointInTime DateTime, period Interval<DateTime>)
if pointInTime is not null then Interval(pointInTime, pointInTime)
else if period is not null then period
else null as Interval<DateTime>

Terminology

- code "Discharge to healthcare facility for hospice care (procedure)" (SNOMEDCT Code (428371000124100))
- code "Discharge to home for hospice care (procedure)" (SNOMEDCT Code (428361000124107))
- code "Hospice care [Minimum Data Set]" (LOINC Code (45755-6))
- code "Yes (qualifier value)" (SNOMEDCT Code (373066001))
- valueset "Annual Wellness Visit" (2.16.840.1.113883.3.526.3.1240)
- valueset "Audiology Visit" (2.16.840.1.113883.3.464.1003.101.12.1066)
- valueset "Care Services in Long Term Residential Facility" (2.16.840.1.113883.3.464.1003.101.12.1066)
- valueset "Discharge Services Nursing Facility" (2.16.840.1.113883.3.464.1003.101.12.1014)
- valueset "Discharge Services Nursing Facility" (2.16.840.1.113883.3.464.1003.101.12.1013)
- valueset "Encounter Inpatient" (2.16.840.1.113883.3.666.5.307)
- valueset "Falls Screening" (2.16.840.1.113883.3.464.1003.118.12.1028)
- valueset "Home Healthcare Services" (2.16.840.1.113883.3.464.1003.101.12.1016)
- valueset "Hospice Care Ambulatory" (2.16.840.1.113883.3.526.3.1584)
- valueset "Hospice Diagnosis" (2.16.840.1.113883.3.464.1003.1165)
- valueset "Hospice Encounter" (2.16.840.1.113883.3.464.1003.1003)
- valueset "Nursing Facility Visit" (2.16.840.1.113883.3.464.1003.101.12.1002)
- valueset "Occupational Therapy Evaluation" (2.16.840.1.113883.3.526.3.1011)
- valueset "Office Visit" (2.16.840.1.113883.3.464.1003.101.12.1001)
- valueset "ONC Administrative Sex" (2.16.840.1.113762.3.1.4.1)
- valueset "Online Assessments" (2.16.840.1.113883.3.464.1003.101.12.1089)
- valueset "Ophthalmological Services" (2.16.840.1.113883.3.526.3.1285)
- valueset "Payer" (2.16.840.1.114222.4.11.3591)
• valueset "Physical Therapy Evaluation" (2.16.840.1.113883.3.526.3.1022)
• valueset "Preventive Care Services Established Office Visit, 18 and Up" (2.16.840.1.113883.3.464.1003.101.12.1025)
• valueset "Preventive Care Services Individual Counseling" (2.16.840.1.113883.3.464.1003.101.12.1026)
• valueset "Preventive Care Services Initial Office Visit, 18 and Up" (2.16.840.1.113883.3.464.1003.101.12.1023)
• valueset "Race" (2.16.840.1.114222.4.11.836)
• valueset "Telephone Visits" (2.16.840.1.113883.3.464.1003.101.12.1080)

Data Criteria (QDM Data Elements)

• "Assessment, Performed: Falls Screening" using "Falls Screening (2.16.840.1.113883.3.464.1003.118.12.1028)"
• "Assessment, Performed: Hospice care [Minimum Data Set]" using "Hospice care [Minimum Data Set] (LOINC Code 45755-6)"
• "Diagnosis: Hospice Diagnosis" using "Hospice Diagnosis (2.16.840.1.113883.3.464.1003.1165)"
• "Encounter, Performed: Annual Wellness Visit" using "Annual Wellness Visit (2.16.840.1.113883.3.526.3.1240)"
• "Encounter, Performed: Audiology Visit" using "Audiology Visit (2.16.840.1.113883.3.464.1003.101.12.1066)"
• "Encounter, Performed: Care Services in Long Term Residential Facility" using "Care Services in Long Term Residential Facility (2.16.840.1.113883.3.464.1003.101.12.1014)"
• "Encounter, Performed: Discharge Services Nursing Facility" using "Discharge Services Nursing Facility (2.16.840.1.113883.3.464.1003.101.12.1013)"
• "Encounter, Performed: Encounter Inpatient" using "Encounter Inpatient (2.16.840.1.113883.3.666.5.307)"
• "Encounter, Performed: Hospice Encounter" using "Hospice Encounter (2.16.840.1.113883.3.464.1003.1003)"
• "Encounter, Performed: Nursing Facility Visit" using "Nursing Facility Visit (2.16.840.1.113883.3.464.1003.101.12.1012)"
• "Encounter, Performed: Occupational Therapy Evaluation" using "Occupational Therapy Evaluation (2.16.840.1.113883.3.526.3.1011)"
• "Encounter, Performed: Office Visit" using "Office Visit (2.16.840.1.113883.3.464.1003.101.12.1001)"
• "Encounter, Performed: Online Assessments" using "Online Assessments (2.16.840.1.113883.3.464.1003.101.12.1089)"
• "Encounter, Performed: Ophthalmological Services" using "Ophthalmological Services (2.16.840.1.113883.3.526.3.1285)"
• "Encounter, Performed: Physical Therapy Evaluation" using "Physical Therapy Evaluation (2.16.840.1.113883.3.526.3.1022)"
• "Encounter, Performed: Preventive Care Services Established Office Visit, 18 and Up" using "Preventive Care Services Established Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1025)"
• "Encounter, Performed: Preventive Care Services Individual Counseling" using "Preventive Care Services Individual Counseling (2.16.840.1.113883.3.464.1003.101.12.1026)"
• "Encounter, Performed: Preventive Care Services Initial Office Visit, 18 and Up" using "Preventive Care Services Initial Office Visit, 18 and Up (2.16.840.1.113883.3.464.1003.101.12.1023)"
• "Encounter, Performed: Telephone Visits" using "Telephone Visits (2.16.840.1.113883.3.464.1003.101.12.1080)"
• "Intervention, Order: Hospice Care Ambulatory" using "Hospice Care Ambulatory (2.16.840.1.113883.3.526.3.1584)"
• "Intervention, Performed: Hospice Care Ambulatory" using "Hospice Care Ambulatory (2.16.840.1.113883.3.526.3.1584)"
• "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity (2.16.840.1.114222.4.11.837)"
• "Patient Characteristic Payer: Payer" using "Payer (2.16.840.1.114222.4.11.3591)"
• "Patient Characteristic Race: Race" using "Race (2.16.840.1.114222.4.11.836)"
• "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex (2.16.840.1.113762.1.4.1)"

Supplemental Data Elements

▲ SDE Ethnicity

["Patient Characteristic Ethnicity": "Ethnicity"]

▲ SDE Payer

["Patient Characteristic Payer": "Payer"]

▲ SDE Race

["Patient Characteristic Race": "Race"]

▲ SDE Sex

["Patient Characteristic Sex": "ONC Administrative Sex"]

Risk Adjustment Variables

None

Measure Set

None

https://ecqi.healthit.gov/sites/default/files/ecqm/measures/CMS139v12.html