

eCQM Title	Initiation and Engagement of Alcohol and Other Drug Dependence Treatment		
eCQM Identifier (Measure Authoring Tool)	137	eCQM Version number	7.2.000
NQF Number	0004	GUID	c3657d72-21b4-4675-820a-86c7fe293bf5
Measurement Period	January 1, 20XX through December 31, 20XX		
Measure Steward	National Committee for Quality Assurance		
Measure Developer	National Committee for Quality Assurance		
Endorsed By	National Quality Forum		
Description	<p>Percentage of patients 13 years of age and older with a new episode of alcohol or other drug abuse or (AOD) dependence who received the following. Two rates are reported.</p> <p>a. Percentage of patients who initiated treatment within 14 days of the diagnosis.</p> <p>b. Percentage of patients who initiated treatment and who had two or more additional services with an AOD diagnosis within 30 days of the initiation visit.</p>		
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Measure Scoring	Proportion		
Measure Type	Process		
Stratification	<p>Report a total score, and each of the following strata:</p> <p>Stratum 1: Patients age 13-17</p> <p>Stratum 2: Patients age &gt;=18</p>		
Risk Adjustment	None		
Rate Aggregation	None		
Rationale	<p>There are more deaths, illnesses and disabilities from substance abuse than from any other preventable health condition. Treatment of medical problems caused by substance use and abuse places a huge burden on the health care system (Schneider Institute 2001). According to a report from the 2001 National Household Survey on Drug Abuse (NHSDA), an estimated 16.6 million Americans aged 12 or older in 2001 were classified with dependence on or abuse of either alcohol or illicit drugs (7.3 percent of the total population) (Substance Abuse and Mental Health Services Administration 2008). Of these, 2.4 million were classified with dependence on or abuse of both alcohol and illicit drugs, 3.2 million were dependent on or abused illicit drugs but not alcohol, and 11.0 million were dependent on or abused alcohol but not illicit drugs (Substance Abuse and Mental Health Services Administration 2008).</p>		
Clinical Recommendation Statement	<p>American Psychiatric Association (2006)</p> <ul style="list-style-type: none"> <li>* Because many substance use disorders are chronic, patients usually require long-term treatment, although the intensity and specific components of treatment may vary over time [I rating].</li> <li>* It is important to intensify the monitoring for substance use during periods when the patient is at a high risk of relapsing, including during the early stages of treatment, times of transition to less intensive levels of care, and the first year after active treatment has ceased [I rating].</li> <li>* Outpatient treatment of substance use disorders is appropriate for patients whose clinical condition or environmental circumstances do not require a more intensive level of care [I rating]. As in other treatment settings, a comprehensive approach is optimal, using, where indicated, a variety of psychotherapeutic and pharmacological interventions along with behavioral monitoring [I rating].</li> <li>* Naltrexone, injectable naltrexone, acamprosate, a gamma-aminobutyric acid (GABA) are recommended for patients with alcohol dependence [I rating]. Disulfiram is also recommended for patients with alcohol dependence [II rating].</li> <li>* Methadone and buprenorphine are recommended for patients with opioid dependence [I rating]. Naltrexone is an alternative strategy [I rating].</li> </ul> <p>Michigan Quality Improvement Consortium (2013)</p> <ul style="list-style-type: none"> <li>* Patient Education and Brief Intervention by Primary Care Physician (PCP) or Trained Staff (eg, RN, MSW) [A rating]</li> <li>* Assess patient's risk, understanding, and readiness to change.</li> <li>* Discuss the relationship of substance use to presenting medical concerns or psychosocial problems.</li> <li>* Negotiate goals and strategies for reducing consumption and other change.</li> <li>* Involve family members as appropriate.</li> </ul> <p>Referral</p> <ul style="list-style-type: none"> <li>* Refer to a substance abuse health specialist, an addiction physician specialist, or a physician experienced in pharmacologic management of addiction [D rating]</li> <li>* Initiate treatment within 14 days</li> <li>* Frequent follow-up is helpful to support behavior change; preferably 2 visits within 30 days</li> <li>* Also consider referrals to community-based services (eg, Alcoholics Anonymous [AA], Narcotics Anonymous [NA], etc.), or an Employee Assistance Program</li> </ul>		
Improvement Notation	Higher score indicates better quality		
Reference	Schneider Institute for Health Policy, Brandeis University. 2001. Substance Abuse: The Nation's Number One Health Problem. Princeton: Robert Wood Johnson Foundation.		
Reference	Substance Abuse and Mental Health Services Administration, Office of Applied Studies. 2008. Results from the 2007 National Survey on Drug Use and Health: National Finding. NSDUH Series H-34, DHHS Publication No. SMA 08-4343. Rockville, MD.		
Reference	Work Group on Substance Use Disorders, Kleber H.D., R.D. Weiss, R.F. Anton, B.J. Rounsaville, T.P. George, E.C. Strain, S.F. Greenfield, D.M. Ziedonis, T.R. Kosten, G. Hennessy, C.P. O'Brien, H.S. Connery HS, American Psychiatric Association Steering Committee on Practice Guidelines, McIntyre J.S., S.C. Charles, D.J. Anzia, J.E. Nininger, I.A. Cook, P. Summergrad, M.T. Finnerty, S.M. Woods, B.R. Johnson, J. Yager, R. Pyles, L. Lurie, C.D. Cross, R.D. Walker, R. Peele, M.A. Barnovitz, S.H. Gray, J.P. Shemo, S. Saxena, T. Tonnu, R. Kunkle, A.B. Albert, L.J. Fochtmann, C. Hart, D. Regier. 2006. Treatment of patients with substance use disorders, second edition. American Psychiatric Association. Am J Psychiatry 163(8 Suppl):5-82.		
Reference	Michigan Quality Improvement Consortium. 2013. Screening, diagnosis and referral for substance use disorders. Southfield (MI): Michigan Quality Improvement Consortium.		
Definition	<p>The initiation visit is the first visit for alcohol or other drug dependence treatment within 14 days after a diagnosis of alcohol or other drug dependence.</p> <p>Treatment includes inpatient AOD admissions, outpatient visits, intensive outpatient encounters or partial hospitalization.</p> <p>The Intake Period: January 1-November 15 of the measurement year. The Intake Period is used to capture new episodes of Alcohol or Drug Dependence. The November 15 cut-off date ensures that all services can occur before the measurement period ends.</p>		
Guidance	The new episode of alcohol and other drug dependence should be the first episode of the measurement period that is not preceded in the 60 days prior by another episode of alcohol or other drug dependence.		
Transmission Format	TBD		
Initial Population	Patients age 13 years of age and older who were diagnosed with a new episode of alcohol, opioid, or other drug abuse or dependency during a visit between January 1 and November 15 of the measurement period		

Denominator	Equals Initial Population
Denominator Exclusions	Patients with a previous active diagnosis of alcohol, opioid or other drug abuse or dependence in the 60 days prior to the first episode of alcohol or drug dependence  Exclude patients whose hospice care overlaps the measurement period.
Numerator	Numerator 1: Patients who initiated treatment within 14 days of the diagnosis  Numerator 2: Patients who initiated treatment and who had two or more additional services with an alcohol, opioid, or other drug abuse or dependence diagnosis within 30 days of the initiation visit
Numerator Exclusions	Not Applicable
Denominator Exceptions	None
Supplemental Data Elements	For every patient evaluated by this measure also identify payer, race, ethnicity and sex

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## Population Criteria

### Population Criteria 1

#### Initial Population

exists (["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and "First Dependence Diagnosis" is not null

#### Denominator

"Initial Population"

#### Denominator Exclusions

Hospice."Has Hospice"  
or exists "Has Prior Dependence"

#### Numerator

exists "Treatment Initiation"

#### Numerator Exclusions

None

#### Denominator Exceptions

None

#### Stratification 1

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")< 18  
)

#### Stratification 2

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 18  
)

### Population Criteria 2

#### Initial Population

exists (["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and "First Dependence Diagnosis" is not null

#### Denominator

"Initial Population"

#### Denominator Exclusions

Hospice."Has Hospice"  
or exists "Has Prior Dependence"

#### Numerator

"Has Continuation Of Treatments"

#### Numerator Exclusions

None

#### Denominator Exceptions

None

#### Stratification 1

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")< 18  
)

#### Stratification 2

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 18  
)

## Definitions

**▲ Denominator**

"Initial Population"

**▲ Denominator Exclusions**

Hospice."Has Hospice"  
or exists "Has Prior Dependence"

**▲ First Dependence Diagnosis**

First(["Diagnosis": "Alcohol and Drug Dependence"] InitialDependenceDiagnosis  
with("Qualifying Encounters")ValidEncounter  
such that InitialDependenceDiagnosis.prevalencePeriod starts during ValidEncounter.relevantPeriod  
and InitialDependenceDiagnosis.prevalencePeriod starts 319 days or less after start of "Measurement Period"  
sort by start of prevalencePeriod  
)

**▲ Has Continuation Of Treatments**

Count(((["Encounter, Performed": "Alcohol and Drug Dependence Treatment"]  
union ["Encounter, Performed": "Psych Visit - Psychotherapy"])ContinuedTreatment  
with("Treatment Initiation")InitiatedTreatment  
such that ContinuedTreatment.relevantPeriod starts 30 days or less after start of InitiatedTreatment.relevantPeriod  
)>= 2

**▲ Has Prior Dependence**

["Diagnosis": "Alcohol and Drug Dependence"] PriorDependenceDiagnosis  
with ( "First Dependence Diagnosis" ) FirstDiagnosed  
such that PriorDependenceDiagnosis.prevalencePeriod starts 60 days or less before start of FirstDiagnosed.prevalencePeriod

**▲ Hospice.Has Hospice**

exists ( (["Encounter, Performed": "Encounter Inpatient"] DischargeHospice  
where ( DischargeHospice.dischargeDisposition as Code - "Discharge to home for hospice care (procedure)"  
or DischargeHospice.dischargeDisposition as Code - "Discharge to healthcare facility for hospice care (procedure)"  
)  
and DischargeHospice.relevantPeriod ends during "Measurement Period"  
)  
or exists ( ["Intervention, Order": "Hospice care ambulatory"] HospiceOrder  
where HospiceOrder.authorDatetime during "Measurement Period"  
)  
or exists ( ["Intervention, Performed": "Hospice care ambulatory"] HospicePerformed  
where HospicePerformed.relevantPeriod overlaps "Measurement Period"  
)

**▲ Initial Population**

exists ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and "First Dependence Diagnosis" is not null

**▲ Numerator**

exists "Treatment Initiation"

**▲ Numerator 2**

"Has Continuation Of Treatments"

**▲ Qualifying Encounters**

(["Encounter, Performed": "Office Visit"]  
union ["Encounter, Performed": "Emergency Department Visit"]  
union ["Encounter, Performed": "Detoxification Visit"]  
union ["Encounter, Performed": "Hospital Observation Care - Initial"]  
union ["Encounter, Performed": "Hospital Inpatient Visit - Initial"]  
union ["Encounter, Performed": "Discharge Services - Hospital Inpatient Same Day Discharge"]  
union ["Encounter, Performed": "Discharge Services - Hospital Inpatient"]) ValidEncounters  
where ValidEncounters.relevantPeriod during "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"]

**▲ Stratification 1**

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 13  
and Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")< 18  
)

**▲ Stratification 2**

exists ( ["Patient Characteristic Birthdate"] BirthDate  
where Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of "Measurement Period")>= 18  
)

**▲ Treatment Initiation**

((["Encounter, Performed": "Alcohol and Drug Dependence Treatment"]  
union ["Encounter, Performed": "Psych Visit - Psychotherapy"]) InitiatedTreatment  
with ( "First Dependence Diagnosis" ) FirstDiagnosed  
such that InitiatedTreatment.relevantPeriod starts 14 days or less after day of start of FirstDiagnosed.prevalencePeriod  
)

**Functions****▲ Global.CalendarAgeInYearsAt(BirthDateTime DateTime, AsOf DateTime)**

years between ToDate(BirthDateTime)and ToDate(AsOf)

**▲ Global.ToDate(Value DateTime)**

DateTime(year from Value, month from Value, day from Value, 0, 0, 0, 0, 0, timezone from Value)

**Terminology**

- codesystem "SNOMEDCT" using "2.16.840.1.113883.6.96 version 2017-09"
- code "Discharge to healthcare facility for hospice care (procedure)" using "SNOMEDCT version 2017-09 Code (428371000124100)"
- code "Discharge to home for hospice care (procedure)" using "SNOMEDCT version 2017-09 Code (428361000124107)"
- valueset "Alcohol and Drug Dependence Treatment" using "2.16.840.1.113883.3.464.1003.106.12.1005"
- valueset "Alcohol and Drug Dependence" using "2.16.840.1.113883.3.464.1003.106.12.1001"
- valueset "Detoxification Visit" using "2.16.840.1.113883.3.464.1003.101.12.1059"
- valueset "Discharge Services - Hospital Inpatient Same Day Discharge" using "2.16.840.1.113883.3.464.1003.101.12.1006"
- valueset "Discharge Services - Hospital Inpatient" using "2.16.840.1.113883.3.464.1003.101.12.1007"
- valueset "Emergency Department Visit" using "2.16.840.1.113883.3.464.1003.101.12.1010"
- valueset "Encounter Inpatient" using "2.16.840.1.113883.3.666.5.307"
- valueset "Ethnicity" using "2.16.840.1.114222.4.11.837"
- valueset "Hospice care ambulatory" using "2.16.840.1.113762.1.4.1108.15"
- valueset "Hospital Inpatient Visit - Initial" using "2.16.840.1.113883.3.464.1003.101.12.1004"
- valueset "Hospital Observation Care - Initial" using "2.16.840.1.113883.3.464.1003.101.12.1002"
- valueset "Office Visit" using "2.16.840.1.113883.3.464.1003.101.12.1001"
- valueset "ONC Administrative Sex" using "2.16.840.1.113762.1.4.1"
- valueset "Payer" using "2.16.840.1.114222.4.11.3591"
- valueset "Psych Visit - Psychotherapy" using "2.16.840.1.113883.3.526.3.1496"
- valueset "Race" using "2.16.840.1.114222.4.11.836"

**Data Criteria (QDM Data Elements)**

- "Diagnosis: Alcohol and Drug Dependence" using "Alcohol and Drug Dependence (2.16.840.1.113883.3.464.1003.106.12.1001)"
- "Encounter, Performed: Alcohol and Drug Dependence Treatment" using "Alcohol and Drug Dependence Treatment (2.16.840.1.113883.3.464.1003.106.12.1005)"
- "Encounter, Performed: Detoxification Visit" using "Detoxification Visit (2.16.840.1.113883.3.464.1003.101.12.1059)"
- "Encounter, Performed: Discharge Services - Hospital Inpatient Same Day Discharge" using "Discharge Services - Hospital Inpatient Same Day Discharge (2.16.840.1.113883.3.464.1003.101.12.1006)"
- "Encounter, Performed: Discharge Services - Hospital Inpatient" using "Discharge Services - Hospital Inpatient (2.16.840.1.113883.3.464.1003.101.12.1007)"
- "Encounter, Performed: Emergency Department Visit" using "Emergency Department Visit (2.16.840.1.113883.3.464.1003.101.12.1010)"
- "Encounter, Performed: Encounter Inpatient" using "Encounter Inpatient (2.16.840.1.113883.3.666.5.307)"
- "Encounter, Performed: Hospital Inpatient Visit - Initial" using "Hospital Inpatient Visit - Initial (2.16.840.1.113883.3.464.1003.101.12.1004)"
- "Encounter, Performed: Hospital Observation Care - Initial" using "Hospital Observation Care - Initial (2.16.840.1.113883.3.464.1003.101.12.1002)"
- "Encounter, Performed: Office Visit" using "Office Visit (2.16.840.1.113883.3.464.1003.101.12.1001)"
- "Encounter, Performed: Psych Visit - Psychotherapy" using "Psych Visit - Psychotherapy (2.16.840.1.113883.3.526.3.1496)"
- "Intervention, Order: Hospice care ambulatory" using "Hospice care ambulatory (2.16.840.1.113762.1.4.1108.15)"
- "Intervention, Performed: Hospice care ambulatory" using "Hospice care ambulatory (2.16.840.1.113762.1.4.1108.15)"
- "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