eMeasure Title	Bipolar Disorder and Major Depression: Appraisal for alcohol or chemical substance use		
eMeasure Identifier (Measure Authoring Tool)	169	**eMeasure Version number**	5.0.000
NQF Number	Not Applicable	**GUID**	b99aaef6-7889-4aba-85fc-5a2b739dd098
Measurement Period	January 1, 20XX through December 31, 20XX		
Measure Steward	Centers for Medicare & Medicaid Services (CMS)		
Measure Developer	Center for Quality Assessment & Improvement in Mental Health (CQAIMH)		
Endorsed By	None		
Description	Percentage of patients with depression or bipolar disorder with evidence of an initial assessment that includes an appraisal for alcohol or chemical substance use		
Copyright	This measure is copyrighted by CQAIMH. It may be used for research, teaching, and quality measurement / improvement activities - provided the following: * The materials are not sold, distributed or licensed for commercial purposes * CQAIMH's copyright is acknowledged in reproductions of these materials * Modifications to the materials are not made without CQAIMH's permission		
Disclaimer	This measure is an initial eSpecification of the endorsed measure, and has not been field tested. CMS has contracted with Mathematica Policy Research and its subcontractors, Lantana and Telligen, for the continued maintenance of this electronic measure.		
Measure Scoring	Proportion		
Measure Type	Process		
Stratification	None		
Risk Adjustment	None		
Rate Aggregation	None		
Rationale	Individuals with bipolar disorder or major depression have high rates of co-morbid substance abuse and should be screened for substance use disorders. Between 40-70% of people with bipolar disorder have a history of substance use disorder. A current or past co-morbid substance use disorder may lead to worse outcomes for bipolar disorders, including more symptoms, more suicide attempts, longer episodes and lower quality of life. Substance abuse may obscure or exacerbate mood swings that have no other apparent external cause. Substance abuse may also precipitate mood episodes or be used by patients to self-treat in an attempt to improve the symptoms of episodes. Patients suffering from major depressive disorder with co-morbid addiction are more likely to require hospitalization, more likely to attempt suicide and less likely to comply with treatment than are patients with these disorders of similar severity not complicated by these factors.		
Clinical Recommendation Statement	Perform a diagnostic evaluation to assess the presence of an alcohol or substance use disorder or other factors that may contribute to the disease process or complicate its treatment. A complete diagnosis of depression should address history of substance use and treatment for substance use disorders.		
Improvement Notation	Higher score indicates better quality		
Reference	Ostacher, MJ; Sachs, GS, Update on Bipolar Disorder and Substance Abuse: Recent Findings and Treatment Strategies, J Clin Psychiatry 2006; 67[9]:e10.		
Reference	Regier DA, Farmer ME, Rae DS, et al. Comorbidity of mental disorders with alcohol and other drug abuse: results from the Epidemiologic Catchment Area (ECA) Study, JAMA 1990; 264:2511-1518.		
Reference	American Psychiatric Association, Practice Guideline for the Treatment of Patients with Bipolar Disorder, Am J Psychiatry 159: 4, April 2002 Supplement.		
Reference	American Psychiatric Association, Practice Guideline for the Treatment of Patients with Major Depressive Disorder (2000).		
Definition	None		
Guidance	The intent of the measure is that the assessment be performed for a single episode for each patient. Due to current limitations of the eMeasure specification system, it is possible for there to be up to two treatment episodes per patient, identified through up to two index episodes. As a result, the numerator criteria of this measure can be satisfied if a substance use assessment is performed within either treatment episode. Future versions of the measure should address this issue. A BH Outpatient Psychotherapy encounter meets the intent of both an encounter and a treatment.		
Transmission Format	TBD		

Initial Population	Patients 18 years of age or older at the start of the measurement period with a new diagnosis of unipolar depression or bipolar disorder during the first 323 days of the measurement period, and evidence of treatment for unipolar depression or bipolar disorder within 42 days of diagnosis. The existence of a 'new diagnosis' is established by the absence of diagnoses and treatments of unipolar depression or bipolar disorder during the 180 days prior to the diagnosis.
Denominator	Equals Initial Population
Denominator Exclusions	None
Numerator	Patients in the denominator with evidence of an assessment for alcohol or other substance use following or concurrent with the new diagnosis, and prior to or concurrent with the initiation of treatment for that diagnosis
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

- **Initial Population =**
  - AND: Age>= 18 year(s) at: "Measurement Period"
  - AND: Union of:
    - $Treatments
    - "Encounter, Performed: BH Outpatient Psychotherapy"
    - <= 42 day(s) starts after start of Occurrence A of $BHEncounter
  - AND NOT: Occurrence A of $BHEncounter < 180 day(s) starts after start of Union of:
    - "Encounter, Performed: BH Outpatient encounter" satisfies any:
      - during "Diagnosis: BH Condition Involving Bipolar Disorder"
      - during "Diagnosis: BH Condition Involving Unipolar Depression"
      - during "Medication, Active: BH Antidepressant Medication"
      - during "Medication, Active: BH Mood Stabilizer Medication"
    - "Encounter, Performed: BH Outpatient Psychotherapy" satisfies any:
      - during "Diagnosis: BH Condition Involving Bipolar Disorder"
      - during "Diagnosis: BH Condition Involving Unipolar Depression"
    - Union of:
      - "Diagnosis: BH Condition Involving Unipolar Depression"
      - "Diagnosis: BH Condition Involving Bipolar Disorder"
      - starts during Union of:
        - "Encounter, Performed: BH Outpatient encounter"
        - "Encounter, Performed: BH Outpatient Psychotherapy"
    - $Treatments
  - AND NOT: Occurrence A of $BHOutptPsychotherapy < 180 day(s) starts after start of Union of:
    - "Encounter, Performed: BH Outpatient encounter" satisfies any:
      - during "Diagnosis: BH Condition Involving Bipolar Disorder"
      - during "Diagnosis: BH Condition Involving Unipolar Depression"
      - during "Medication, Active: BH Antidepressant Medication"
      - during "Medication, Active: BH Mood Stabilizer Medication"
    - "Encounter, Performed: BH Outpatient Psychotherapy" satisfies any:
      - during "Diagnosis: BH Condition Involving Bipolar Disorder"
      - during "Diagnosis: BH Condition Involving Unipolar Depression"
    - Union of:
      - "Diagnosis: BH Condition Involving Unipolar Depression"
      - "Diagnosis: BH Condition Involving Bipolar Disorder"
      - starts during Union of:
        - "Encounter, Performed: BH Outpatient encounter"
        - "Encounter, Performed: BH Outpatient Psychotherapy"
    - $Treatments
- **Denominator =**
  - AND: Initial Population
- **Denominator Exclusions =**
  - None
- **Numerator =**

- AND: "Procedure, Performed: BH Assessment for Alcohol or Other Drugs" satisfies all:
  - starts after or concurrent with start of Union of:
    - Occurrence A of $BHEncounter
    - Occurrence A of $BHOutptPsychotherapy
  - ends before or concurrent with start of (Union of:
    - First: $Treatments
    - "Encounter, Performed: BH Outpatient Psychotherapy"
    - <= 42 day(s) starts after start of Occurrence A of $BHEncounter)
- **Numerator Exclusions =**
  - None
- **Denominator Exceptions =**
  - None
- **Stratification =**
  - None

Data Criteria (QDM Variables)

- **$BHEncounter =**
  - "Encounter, Performed: BH Outpatient encounter" satisfies all:
    - >= 42 day(s) starts before end of "Measurement Period"
    - starts after start of "Measurement Period"
    - satisfies any:
      - satisfies all:
        - starts before or concurrent with start of "Diagnosis: BH Condition Involving Unipolar Depression"
        - overlaps "Diagnosis: BH Condition Involving Unipolar Depression"
      - satisfies all:
        - starts before or concurrent with start of "Diagnosis: BH Condition Involving Bipolar Disorder"
        - overlaps "Diagnosis: BH Condition Involving Bipolar Disorder"
- **$BHOutptPsychotherapy =**
  - "Encounter, Performed: BH Outpatient Psychotherapy" satisfies all:
    - >= 42 day(s) starts before end of "Measurement Period"
    - starts after start of "Measurement Period"
    - satisfies any:
      - satisfies all:
        - starts before or concurrent with start of "Diagnosis: BH Condition Involving Unipolar Depression"
        - overlaps "Diagnosis: BH Condition Involving Unipolar Depression"
      - satisfies all:
        - starts before or concurrent with start of "Diagnosis: BH Condition Involving Bipolar Disorder"
        - overlaps "Diagnosis: BH Condition Involving Bipolar Disorder"
- **$Treatments =**
  - Union of:
    - "Procedure, Performed: BH Electroconvulsive Therapy"
    - "Procedure, Order: BH Electroconvulsive Therapy"
    - "Medication, Order: BH Antidepressant Medication"
    - "Medication, Order: BH Mood Stabilizer Medication"
    - "Procedure, Performed: BH Counseling for Depression"
    - "Procedure, Order: BH Counseling for Depression"

Data Criteria (QDM Data Elements)

- "Diagnosis: BH Condition Involving Bipolar Disorder" using "BH Condition Involving Bipolar Disorder Grouping Value Set (2.16.840.1.113883.3.1257.1.1504)"
- "Diagnosis: BH Condition Involving Unipolar Depression" using "BH Condition Involving Unipolar Depression Grouping Value Set (2.16.840.1.113883.3.1257.1.1505)"
- "Encounter, Performed: BH Outpatient encounter" using "BH Outpatient encounter Grouping Value Set (2.16.840.1.113883.3.464.1.49)"
- "Encounter, Performed: BH Outpatient Psychotherapy" using "BH Outpatient Psychotherapy Grouping Value Set (2.16.840.1.113883.3.1257.1.973)"
- "Medication, Active: BH Antidepressant Medication" using "BH Antidepressant Medication Grouping Value Set (2.16.840.1.113883.3.1257.1.972)"
- "Medication, Active: BH Mood Stabilizer Medication" using "BH Mood Stabilizer Medication Grouping Value Set (2.16.840.1.113883.3.1257.1.950)"
- "Medication, Order: BH Antidepressant Medication" using "BH Antidepressant Medication Grouping Value Set (2.16.840.1.113883.3.1257.1.972)"
- "Medication, Order: BH Mood Stabilizer Medication" using "BH Mood Stabilizer Medication Grouping Value Set (2.16.840.1.113883.3.1257.1.950)"
- "Procedure, Order: BH Counseling for Depression" using "BH Counseling for Depression Grouping Value Set (2.16.840.1.113883.3.1257.1.1616)"
- "Procedure, Order: BH Electroconvulsive Therapy" using "BH Electroconvulsive Therapy Grouping Value Set (2.16.840.1.113883.3.1257.1.1533)"
- "Procedure, Performed: BH Assessment for Alcohol or Other Drugs" using "BH Assessment for Alcohol or Other Drugs Grouping Value Set (2.16.840.1.113883.3.1257.1.1604)"

- "Procedure, Performed: BH Counseling for Depression" using "BH Counseling for Depression Grouping Value Set (2.16.840.1.113883.3.1257.1.1616)"
- "Procedure, Performed: BH Electroconvulsive Therapy" using "BH Electroconvulsive Therapy Grouping Value Set (2.16.840.1.113883.3.1257.1.1533)"

Supplemental Data Elements

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.11.837)"
- "Patient Characteristic Payer: Payer" using "Payer SOP Value Set (2.16.840.1.114222.4.11.3591)"
- "Patient Characteristic Race: Race" using "Race CDCREC Value Set (2.16.840.1.114222.4.11.836)"
- "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex AdministrativeGender Value Set (2.16.840.1.113762.1.4.1)"

Risk Adjustment Variables

- None

Measure Set	None