July 26, 2019

To: NQF members
From: NQF staff
Re: Commenting Draft Report: Behavioral Health and Substance Use Measure Review: Spring Cycle 2019

Background
This report reflects the review of measures in the Behavioral Health and Substance Use project. This project aims to endorse performance measures of accountability for improving the delivery of behavioral health and substance use services and achieving better health outcomes for the U.S. population. The most recent work, detailed in this report, examines measures pertaining to the use of physical restraint and seclusion, follow-up after emergency department visit for alcohol and other illegal drug use or dependence and mental illness, as well as the discharge of patients on multiple antipsychotic medications and the screening for violence risk, substance use, psychological trauma history, and patient strengths completed upon admission.

The 23-person Behavioral Health and Substance Use Standing Committee evaluated six measures undergoing maintenance review. Four measures were recommended for endorsement; one measure was not recommended; and one measure will be discussed further by the Committee as a voting consensus of 66 percent has yet to be achieved.

Recommended
- 0640 HBIPS-2 Hours of Physical Restraint Use (The Joint Commission)
- 0641 HBIPS-3 Hours of Seclusion Use (The Joint Commission)
- 3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence (FUA) (National Committee for Quality Assurance)
- 3489 Follow-Up After Emergency Department Visit for Mental Illness (National Committee for Quality Assurance)

Not Recommended
- 0560 HBIPS-5 Patients Discharged on Multiple Antipsychotic Medications (The Joint Commission)

Consensus Not Reached
- 1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed (The Joint Commission)
NQF Member and Public Commenting

NQF members and the public are encouraged to provide comments via the online commenting tool on the draft report or on the specific measures evaluated by the Behavioral Health and Substance Use Standing Committee.

Please note that commenting concludes on August 26, 2019 at 6:00 pm ET—no exceptions.
Contents

Executive Summary ........................................................................................................ 4
Introduction ..................................................................................................................... 7
NQF Portfolio of Performance Measures for Behavioral Health and Substance Use Conditions .......... 7
Table 1. NQF Behavioral Health and Substance Use Portfolio of Measures .................................. 8
Portfolio Gaps Discussion .............................................................................................. 8
Behavioral Health and Substance Use Measure Evaluation .............................................. 9
Table 2. Behavioral Health and Substance Use Measure Evaluation Summary ....................... 9
Comments Received Prior to Committee Evaluation ....................................................... 10
Overarching Issues ........................................................................................................... 10
Summary of Measure Evaluation ..................................................................................... 11
References ......................................................................................................................... 16
Appendix A: Details of Measure Evaluation ......................................................................... 19
Measures Recommended ................................................................................................ 19
0640 HBIPS-2 Hours of physical restraint use ................................................................. 19
0641 HBIPS-3 Hours of seclusion use ............................................................................. 21
3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence (FUA) ......................................................................................... 24
3489 Follow-Up After Emergency Department Visit for Mental Illness (FUM) ..................... 27
Measure Where Consensus Is Not Yet Reached ............................................................. 30
1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths complete ...................................................... 30
Measure Not Recommended .......................................................................................... 32
0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification ..................................................................................................................... 32
Appendix B: Behavioral Health and Substance Use Portfolio—Use in Federal Programs ............ 35
Appendix C: Behavioral Health and Substance Use Standing Committee and NQF Staff .......... 39
Appendix D: Measure Specifications ................................................................................ 42
Measures Recommended ............................................................................................... 42
0640 HBIPS-2 Hours of physical restraint use ................................................................. 42
0641 HBIPS-3 Hours of seclusion use ............................................................................. 45
3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence .......................................................................................................................... 49
3489 Follow-Up After Emergency Department Visit for Mental Illness ......................... 53
Behavioral Health and Substance Use, Spring 2019 Cycle

DRAFT REPORT

Executive Summary

This report summarizes the most recent measurement evaluation and deliberation activities of the National Quality Forum’s (NQF) Behavioral Health and Substance Use (BHSU) Standing Committee. It corresponds to measures reviewed during the spring 2019 measure review cycle. This report follows directly from several recent reports including one that is just concluding for fall of 2018. As such, this current report shares background materials with prior reports, but otherwise is updated to reflect new Committee activities and more general evolutions in the BHSU field.

Behavioral health—including psychiatric illness (mental illness) and substance use disorders (SUDs) (e.g., tobacco and opioid abuse and dependence)—continues to be an important organizational construct (unified by brain-based etiology and behavioral symptomology) of healthcare across the globe. The most comprehensive annual report of behavioral health prevalence data in the U.S. is the Substance Abuse and Mental Health Services Administration’s (SAMHSA) National Survey on Drug Use and Health (NSDUH). Results from the 2017 NSDUH indicated that in the U.S. 19.7 million persons (age ≥12 years) suffered from an apparent SUD (not including tobacco dependence), and 46.6 million persons (age ≥18 years) suffered from a mental illness. These numbers jointly suggest that substantive behavioral health disease was evident in at least 56 million adolescent and adult Americans in 2017, or roughly 21 percent of the maturing/mature population. This 1 in 5 rate is consistent with other epidemiologic studies that have previously revealed the prevalence of behavioral health conditions in the U.S.

The NSDUH from 2017 further reveals an important concern about behavioral healthcare in this country: only 12.5 percent of persons with SUDs reported treatment during that year, and only 43.6 percent of those with any mental illness reported receiving care for that condition. This gap between marked behavioral health pathology and treatment alone should give one pause about the quality of the U.S. healthcare system regarding such issues, and it certainly represents an unmet or untapped need. This unfulfilled need persists even as behavioral health disease burden is high in the U.S. and even as good treatments exist.

Specifically, 2015 data that quantified age-standardized disability adjusted life years (DALYs) showed that mental and substance use disorders yield more years lost to suboptimal health per 100,000 persons in the U.S. (3,355 DALYs) than any other major disease category including cancers (3,131 DALYs), circulatory diseases (3,065 DALYs), injuries (2,419 DALYs), and endocrine (kidney) diseases (1,827 DALYs). Recent work in behavioral health has described effective psychosocial or psychopharmaceutical therapies for depression, opioid addiction, anxiety, schizophrenia, and bipolar disorder. However, this same and related work also demonstrates ongoing challenges in the prevention, diagnosis, and treatment of behavioral health disorders—illnesses that are typically chronic, cycling, and difficult to diagnose precisely because they do not correlate with salient biologic markers. As such, quality of care in behavioral health remains one of the great challenges in healthcare.
Recent examples from the scientific literature that point to the unique challenges facing BHSU care are numerous. One described that undiagnosed healthcare cases often involve hidden psychiatric illness which only becomes evident upon closer inspection.\textsuperscript{11} Another found that tobacco use has recently flattened (rather than declined) because of the introduction of the e-cigarette,\textsuperscript{12,13} evidence that specific substances and vehicles of chronic dependence change over time. A third study reported that stigma (i.e., discrimination) continues to be significant treatment barrier for several illnesses, especially mental health and substance use disorders,\textsuperscript{14} And finally, one recent study found that persons who use inpatient services—an intensive and costly level of healthcare—typically have psychiatric or substance use disorders, while only about 17 percent of those diagnoses are addressed directly with treatment.\textsuperscript{15}

The review and evaluation of behavioral health measures has long been a priority of NQF with endorsement for mental health and substance use disorder measures going back at least a decade. At present, there are 46 NQF-endorsed behavioral health measures. The background and description of NQF’s most recent BHSU Standing Committee meeting as well as previous meetings are available on NQF’s project webpage. This Committee oversees the measurement portfolio used to advance accountability and quality in the delivery of behavioral health and substance use services. The Committee’s most recent decision making meeting is detailed in this report, and it includes the evaluation and voting results of measures including the use of physical restraint and seclusion, follow-up after emergency department visit for alcohol and other illegal drug use or dependence and mental illness, as well as the discharge of patients on multiple antipsychotic medications and the screening for violence risk, substance use, psychological trauma history, and patient strengths completed upon admission.

For this project, the Standing Committee evaluated six measures undergoing maintenance review according to NQF’s standard evaluation criteria. Four measures were recommended for endorsement, one measure was not recommended, and one measure will be discussed further by the Committee as consensus was not reached. The Standing Committee recommended the following four measures:

- 0640 HBIPS-2 Hours of Physical Restraint Use
- 0641 HBIPS-3 Hours of Seclusion Use
- 3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence (FUA)
- 3489 Follow-Up After Emergency Department Visit for Mental Illness

The Committee did not recommend the following measure:

- 0560 HBIPS-5 Patients Discharged on Multiple Antipsychotic Medications

And finally, the Committee did not reach consensus on the following measure:

- 1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Brief summaries of all six measures considered during this measurement cycle are included in the body of the report; detailed summaries of the Committee’s discussion and ratings of the criteria for each measure are in Appendix A.

Beyond the six measures considered for endorsement, the Committee also discussed a measure that the Scientific Methods Panel (SMP) rejected because the developer did not use ICD-10 codes for testing (only ICD-9), it did not include proper level of testing, and there were concerns about some of the definitions in the measure specifications. The Committee expressed appreciation for the SMP review, and was also pleased to be reassured that the SMP focuses on quantitative/statistical issues thereby deferring content review to each respective Standing Committee.

Finally, during this most recent review cycle, the Committee briefly discussed measure gap areas including burn-out of professionals, which was noted during the previous cycle and which is also now included as a condition category in the International Classification of Diseases version 11 (ICD-11) coding scheme. In reviewing the latest ICD-11, NQF staff further noted for the Committee several behavioral health changes to the ICD-11.
Introduction

Behavioral healthcare refers to a continuum of services for individuals at risk of—or suffering from—mental (i.e., emotional and/or cognitive issues) or addictive disorders—challenges broadly ranging from mood and anxiety disorders, to learning disabilities and substance abuse or dependence (including tobacco dependence). In the United States, over 56 million adolescents and adults suffer from a discernable behavioral health disorder (roughly 1 in 5), and this includes over 11 million persons with the most serious forms of mental illness (schizophrenia, bipolar disorder, major depression), and a similar number of persons (substantially overlapping with the 11 million) who suffer simultaneously from a mental illness and an SUD. Behavioral disorders cause considerable pain and dysfunction in the U.S. population, so much so that it represents the leading cause of death and disability when compared to other major illness clusters including cancers, circulatory disease (heart disease, stroke, arteriosclerosis), injuries, and kidney disease.

Opioid overdose deaths have recently become a particular concern in the U.S., and data compiled by the U.S. Centers for Disease Control and Prevention placed such deaths at over 47,000 in 2017 alone. U.S. suicides in 2016 approach that number, and deaths attributable to alcohol use (overdose, accidents, cirrhosis, cancers) numbered approximately 88,000 per 2006-2010 data, thus making alcohol use the third most common cause of preventable mortality behind tobacco use (first) and poor diet and physical inactivity (second). Finally, mental illness strongly correlates with premature death by an average of 8 years for all mental illnesses and 25 years for the most serious forms. The causes for this premature mortality are multifactorial including tobacco use, suicide, poor self-advocacy, and risk of victimization, but a least one recent study found that 95 percent of these premature deaths are from medical causes.

Despite the deep challenges posed by behavioral health illnesses—they are typically cycling, chronic, and serious—there exist many evidence-based approaches to prevent such illnesses and to treat persons and families impacted by them. Applications of these strategies are neither easy nor universal; however, they are made challenging by the complexity and uncertainty of the underlying pathology and by stigma that shrouds a category of diseases which often negatively impacts one's social functioning. Accordingly, quality measurement and quality improvement tools are essential to behavioral health—extraordinarily so compared to most other aspects of health.

NQF Portfolio of Performance Measures for Behavioral Health and Substance Use Conditions

The Behavioral Health and Substance Use Standing Committee (Appendix C) oversees NQF’s portfolio of Behavioral Health and Substance Use measures (Appendix B) that includes measures for serious mental illnesses (e.g., schizophrenia, mania, major depression), dysthymia, anxiety, ADHD and other learning and behavioral problems, alcohol and illegal drug use, tobacco dependence, care coordination (between and within the spheres of psychiatric, substance use, and related physical illness), medication use, and patient care experience. This portfolio contains 46 measures: 38 process measures, seven outcome and resource use measures, and one composite measure (see table below).
Table 1. NQF Behavioral Health and Substance Use Portfolio of Measures

<table>
<thead>
<tr>
<th></th>
<th>Process</th>
<th>Outcome/Resource Use</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol and Drug Use</td>
<td>5</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Care Coordination</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Depression</td>
<td>5</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Medication Use</td>
<td>10</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Experience of Care</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tobacco</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Physical Health</td>
<td>9</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>38</strong></td>
<td><strong>7</strong></td>
<td><strong>1</strong></td>
</tr>
</tbody>
</table>

Additional behavioral health measures have been assigned to other portfolios. Examples include patient experience measures (Patient Experience and Function project); measures focused on antipsychotics, screening for drugs of abuse in psychosis, and tobacco use (Pediatrics/Patient Safety projects); measures related to pharmacotherapy for opioid use disorder (Patient Safety project); unplanned readmissions following psychiatric hospitalization (All-Cause Admissions and Readmissions project); and smoking prevalence (Prevention and Population Health project).

**Portfolio Gaps Discussion**

After completion of the measure reviews for this cycle, the Committee engaged in a brief discussion regarding the composition of NQF’s current BHSU measurement portfolio. This discourse gave the Committee an opportunity to discuss their latest perspectives and desires regarding measurement science as it pertains to the U.S. behavioral health and substance use disorder prevention and treatment enterprise. Accordingly, this part of the Committee’s proceedings is a touchstone for policymakers and measure developers to obtain ideas regarding the frontier of quality measurement as it pertains to diseases ranging from schizophrenia and depression, to alcohol and other drug use disorders, including opioid addiction.

To support this discussion, NQF staff first provided an overview of the portfolio gaps identified by the Committee during previous meetings spanning 2016-2018. Points described during that review included the Committee’s expressed interest in seeing more measures that address the following issues: opioid use disorder, criminal justice issues, patient-reported outcomes, tailored treatments that specifically consider stage of illness and readiness for change, recovery measures that address long-term outcomes, social determinants (e.g., housing, employment), care coordination issues, cost of care issues, and functional outcomes.

During this closing discussion, Committee members emphasized the following issues: serious mental illness (SMI) should be considered as a special population or a disparities population; more patient-reported “experience” measures should be developed (in addition to patient-reported outcomes); and more effort should be dedicated to considering if measures crystalize into standards of care (i.e., whether they become, as intended, broadly utilized).
Committee members also discussed the addition of professional burn-out to ICD-11, and staff presented additional information about behavioral health additions to that international reporting standard. One Committee member involved in formal ICD-11 discussions outside of NQF noted that the new standard is about five years from full use, but in the meantime, it aims to facilitate more automated record keeping and analytics, and further includes some important innovations that permit linking of patient safety information to other records. NQF staff noted that ICD-11 advanced from ICD-10 by appending several novel brain-based illness changes such as creating new diagnostic categories for hording and gambling, reclassifying stroke as neurologic rather than circulatory, and permitting the use of the attention deficit hyperactivity disorder (ADHD) diagnosis across ages.¹⁶

During the gaps discussion, one Committee member asked how such discourse at the Standing Committee level interacted with other quality improvement activities at NQF such as the NQF Measure Incubator®. While NQF staff emphasized the existence of a firewall between measure endorsement and the NQF Incubator®, staff also explained that the key gaps identified by Standing Committees are indeed practical information for other activities at NQF including the NQF Measure Incubator® and measure application, framework, and broad quality improvement initiatives.

**Behavioral Health and Substance Use Measure Evaluation**

On June 19 and 26, 2019 the Behavioral Health and Standing Committee evaluated six measures undergoing maintenance review against NQF’s standard measure evaluation criteria.  

**Table 2. Behavioral Health and Substance Use Measure Evaluation Summary**

<table>
<thead>
<tr>
<th></th>
<th>Maintenance</th>
<th>New</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measures under consideration</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Measures recommended for endorsement</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Measures where consensus is not yet reached</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Measures not recommended for endorsement</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>
| Reasons for not recommending       | Importance – 1
Scientific Acceptability – 0
Use – 0
Overall Suitability – 0
Competing Measure – 0
| Importance – 0
Scientific Acceptability – 0
Overall Suitability – 0
Competing Measure – 0
|
Comments Received Prior to Committee Evaluation

NQF solicits comments on endorsed measures on an ongoing basis through the Quality Positioning System (QPS). In addition, NQF solicits comments for a continuous 16-week period during each evaluation cycle via an online tool located on the project webpage. For this evaluation cycle, the commenting period opened on April 24, 2019 and will close on August 26, 2019. As of June 5, no comments were submitted prior to the measure evaluation meetings (Appendix F).

Overarching Issues

During the Standing Committee’s discussion of the measures, several overarching issues emerged that were factored into the Committee’s ratings and recommendations for multiple measures and are not repeated in detail with each individual measure.

Need for Stronger Validity Assessments

During the discussion of multiple measures, the Standing Committee discussed the need for validity assessments to be strengthened. While the Committee recognized that it is difficult to perform the strongest types of validity assessment (e.g., correlating a measure with improved patient outcomes in an RCT), they also believed NQF’s validity requirements sometimes lead to testing methods and results from which it is difficult to determine a measure’s true validity. It was raised that in some cases, developers have to use the data available to them to do a correlation analysis with another measure (which may or may not be appropriately selected as a comparator) that often results in a weak correlation. Related to measure 1922, for example, the immediate next step in the logic model provided links screenings to changes in a patient’s treatment plan. The Committee suggested one could look at the relationship between the measure and the treatment plan or other “outcomes” in the inpatient setting. This may provide more information related to validity and could be gathered in the inpatient setting.

Defining “Topped Out” Performance

At least one Committee member expressed that NQF should consider convening methodologists and other experts to standardize how performance gap is assessed, especially when performance rates appear to be high and/or leveling off. Another Committee member shared that this is complex and difficult to standardize and should be discussed on a case by case basis, as considerations about opportunity for improvement vary based on the specifics of an individual measure.

Connecting Standing Committee Activities to Other Quality Improvement Actions Within And Outside of NQF

While a firewall exists between NQF’s measure endorsement process and NQF’s Measure Incubator, Committee members expressed interest in connecting their measure adjudication efforts with other activities at NQF such as the incubator, measurement applications, and other quality improvement projects. They also were interested in evaluating the impact of measures on downstream assessment of which measure targets ultimately become formalized as standards of practice.
Summary of Measure Evaluation

The following brief summaries of the measure evaluation highlight the major issues that the Committee considered. Details of the Committee’s discussion and ratings of the criteria for each measure are included in Appendix A.

0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification (The Joint Commission): Not Recommended

**Description**: The proportion of patients, age greater than and equal to 1 year, discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification. **Measure Type**: Process; **Level of Analysis**: Facility, Other; **Setting of Care**: Inpatient/Hospital; **Data Source**: Electronic Health Records, Paper Medical Records

The Committee did not vote on a recommendation for endorsement because this maintenance measure did not pass the evidence criterion—a “must-pass” criterion. Committee discussion about this measure revealed concern that the evidence presented by the developer was dated and too general to support a measure that looks at antipsychotic use for indications outside of schizophrenia. There was also concern that the measure might discourage multiple antipsychotic use that may be useful. Two specific studies were cited during the discussion as examples demonstrating that while monotherapy is generally regarded as the best first-line approach, evidence indicates that polypharmacy may be superior in some instances. Accordingly, the Committee was concerned that the current measure might work against the best option for some patients and acknowledged the growing controversy in practice related to the appropriateness of multiple antipsychotics for certain patients.

0640 HBIPS-2 Hours of physical restraint use (The Joint Commission): Recommended

**Description**: The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were maintained in physical restraint. **Measure Type**: Process; **Level of Analysis**: Facility, Other; **Setting of Care**: Inpatient/Hospital; **Data Source**: Electronic Health Records, Paper Medical Records

The Standing Committee recommended the measure for continued endorsement. Generally, the Committee expressed sentiments in favor of the measure as impactful in changing the way restraints are used, though there was some discussion about whether lower restraint use represents higher quality care. Regarding performance gap, the Committee heard and discussed that there are some inconsistent findings: sometimes the elderly and minorities are characterized as high risk for restraint use, but other studies show young white males are restrained most. Physical restraint use appeared to be relatively rare (<1 percent) per the developer’s data, and one member of the Committee suggested that there may be no further room for improvement across most facilities. The developer and Committee discussion clarified that the data showed approximately 36,000 occurrences of restraint use in 2018, suggesting that the method is still prominent. Regarding reliability, the developer checked charts against their study records and found 100 percent concordance based on 191 records. Discussion of validity testing noted a “moderate” correlation (r=0.216) was observed between restraint use and seclusion use (measure 0641). The Committee agreed that the measure is feasible and usable, though at least one
member questioned whether decreased seclusion rates might correlate with increased and potentially inappropriate use of chemical restraints (e.g., sedatives).

Discourse surrounding this restraint measure (0640) and the seclusion measure (0641) described below overlapped because both of these strategies are uniquely dramatic and controversial given their distinct potential to work against the value of patient-oriented care. Moreover, the Committee expressed concern that such strategies may be substituted with chemical constraints (e.g., sedatives).

**0641 HBIPS-3 Hours of seclusion use (The Joint Commission): Recommended**

**Description:** The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were held in seclusion. **Measure Type:** Process; **Level of Analysis:** Facility, Other; **Setting of Care:** Inpatient/Hospital; **Data Source:** Electronic Health Records, Paper Medical Records

This maintenance measure, originally endorsed in 2010, was recommended by the Standing Committee for continued endorsement. The Committee discussion regarding this measure was similar to that for the restraint measure (0640). The discussion noted disparities data that supported a performance gap. Some concern was expressed that the measure may have “topped out,” as much change in restraint and seclusion practices has already occurred in recent years. Reliability was noted as limited to 190 chart re-abstractions (as was the case with the restraint measure). Validity was predicated upon the same empirical correlation described for restraints, and face validity was noted as well based on responses from 36 hospital-based representatives—31 of which reported the measure to be very good or good with regards to its validity.

At least one Committee member expressed concern, but also accepted, that validity assessments submitted with NQF measures rarely include randomized studies that establish a link between a measure and complex, long-term quality outcomes (e.g., quality of life years after symptoms first emerged). Another Committee member received confirmation from the developer that part of its validity presentation involved a target analysis, which allows users to assess or benchmark their relative performance against other hospitals reporting to The Joint Commission. One Committee member suggested seclusion, physical restraints, and chemical sedation should all be considered in relation to one another as practices that may generally reflect undesirable outcomes. Overall, most Committee members agreed that the measure has been used to drive changes in seclusion practices and is usable and relatively straightforward to capture. During the related measures discussion, one Committee member was interested in how measures might capture de-escalation options, and it was noted that seclusions and restraint approaches are related processes.

**1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed (The Joint Commission): Consensus Not Reached**

**Description:** The proportion of patients, age greater than and equal to 1 year, admitted to a hospital-based inpatient psychiatric setting who are screened within the first three days of hospitalization for all of the following: risk of violence to self or others, substance use, psychological trauma history and patient strengths. **Measure Type:** Process; **Level of Analysis:** Facility, Other; **Setting of Care:** Inpatient/Hospital; **Data Source:** Electronic Health Records, Paper Medical Records
The Standing Committee did not vote on an overall recommendation for endorsement because the Committee did not reach consensus on performance gap—a “must-pass” criterion. This measure was first endorsed in 2014 and assesses whether psychiatric inpatients are screened on five basic criteria. During the measure evaluation meetings some Committee members expressed concerns with the evidence, performance gap, and validity testing associated with the measure. At least one member shared that the measure was not convincingly linked to outcomes, though another believed it was obvious that this screening is important to perform and has the potential for high impact.

Committee members agree that the focus of the screening is important for psychiatric inpatients. There was discussion about the three-day window to screen, which some members believed may be too long. Some Committee members suggested that the measure may have “topped out” as performance rates have increased from 87 percent in 2009 to 92.7 percent in 2018, and no disparities were presented, though another member believed performance could be closer to 100 percent. The developer shared that they were aware of inter-facility differences and noted that rates are not the same for free standing facilities versus acute care hospital units or military/government facilities.

Validity testing presented by the developer included a small, but significant correlation between this measure and appropriate justification of multiple antipsychotic use. This validity presentation, however, was regarded by some Committee members as reflecting only that some screening was occurring rather than that more specific risk screening was happening. The Committee accepted the data element reliability testing presented and agreed that the measure was feasible and usable, as it has been in use since 2011. The Joint Commission currently uses it for hospital accreditation; it is reported in the ORYX Performance Measurement Reporting Program.

The Committee will re-vote on performance gap and overall recommendation for endorsement (if the measure passes performance gap) on the post-comment web meeting on September 16, 2019.

3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence (National Committee for Quality Assurance): Recommended

**Description:** The percentage of emergency department (ED) visits for members 13 years of age and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence, who had a follow up visit for AOD. Two rates are reported:
- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).  
**Measure Type:** Process; **Level of Analysis:** Health Plan; **Setting of Care:** Outpatient Services; **Data Source:** Claims

The Committee recommended the measure for continued endorsement. This measure is a maintenance measure because it was previously measure 2605 Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence, which combined mental health and substance use disorder (SUD) emergency department (ED) follow-up visits. In addition to two updated guidelines provided as evidence, the developer noted in their introduction that absence of follow-up care from a SUD ED event increased one’s risk of readmission by six times. The Committee found that
this measure supports the connection of patients to outpatient care after ED use and rates indicate a significant opportunity for improvement.

The performance gap was substantial as data across ages and Medicare and Medicaid programs indicated that less than 20 percent of the qualifying ED discharges that are followed-up; moreover, those with the added risk of co-occurring psychiatric illness had even lower rates of follow-up. Committee members expressed support for the inclusion of SUD follow-up services delivered by primary care providers and inclusion of telehealth services.

Validation for this measure was demonstrated by comparing it to the mental illness follow-up measure (3489) and by comparing the 7- and 30-day follow-up measures rates to each other. The Committee found these validation approaches reasonable. Some concern was discussed that the current measure was competing with measure 0004 Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment, but the developer assuaged that concern by noting the current measure is unique to ED venues and near-term follow-up. One Committee member expressed moderate concern that this measure does not include follow-up treatments outside of the traditional medical sphere (e.g., 12-step programs). The Committee agreed that this measure is feasible and meaningful to measure.

3489 Follow-Up After Emergency Department Visit for Mental Illness (National Committee for Quality Assurance): Recommended

Description: The percentage of emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm, who had a follow-up visit for mental illness. Two rates are reported:
- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Measure Type: Process; Level of Analysis: Health Plan; Setting of Care: Outpatient Services; Data Source: Claims

This process measure was recommended for continued endorsement. This measure is a maintenance measure because it was previously measure 2605 Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence, which combined mental health and substance use disorder (SUD) emergency department (ED) follow-up visits. The Committee expressed some concern that the measure is based on a very general definition of follow-up, but the gap evident for delivery of even this “low bar” service was said to be important to improve as fewer than 60 percent of the entities studied completed such follow-up activities within 30 days of an emergency department (ED) event. This measure was updated to include telehealth as a numerator qualifying event. Signal-to-noise reliability testing supported the reproducibility of the measure to differentiate between tested entities. Score-level reliability testing showed a moderate correlation with the related measure 3488 and that the 7- and 30-day rates are highly correlated. Though the Committee articulated some concern that the two years of data presented did not demonstrate improvement trends, the developer said that such variability is not uncommon for newly deployed measures. The Committee discussed the responsibility of the ED for this measure, discussion which seemed to converge on the expectation that EDs, per se, have limited responsibility, but health plans are instead held responsible for performance on
this measure. The Committee agreed that this measure, similar to 3488, is feasible, and the results can be used to improve the quality of care and timely connection to outpatient care for individuals with mental illness.
References


Appendix A: Details of Measure Evaluation

Rating Scale: **H**=High; **M**=Moderate; **L**=Low; **I**=Insufficient; **NA**=Not Applicable

Measures Recommended

**0640 HBIPS-2 Hours of physical restraint use**

**Submission** | **Specifications**

**Description**: The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were maintained in physical restraint.

**Numerator Statement**: The total number of hours that all psychiatric inpatients were maintained in physical restraint.

Numerator Basis: The numerator evaluates the number of hours of physical restraint; however, the algorithm calculates the number of minutes to ensure a more accurate calculation of the measure. Convert the minutes to hours when analyzing and reporting this measure.

**Denominator Statement**: Number of psychiatric inpatient days

Denominator basis: per 1,000 hours

To compute this measure rate, a base of 1000 hours has been applied to total patient days in the denominator (i.e., total patient days are divided by 1000). The purpose of this is to create a smaller denominator number, thus providing a more understandable rate. When multiplied by 1000, this rate measures numerator occurrence per total patient days.

**Exclusions**: Total leave days

**Adjustment/Stratification**: The measure is stratified by the following age groups:

- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

**Level of Analysis**: Facility, Other

**Setting of Care**: Inpatient/Hospital

**Type of Measure**: Process

**Data Source**: Electronic Health Records, Paper Medical Records. Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

**Measure Steward**: The Joint Commission
STANDING COMMITTEE MEETING 06/19/2019

1. Importance to Measure and Report: The measure meets the Importance criteria.
   (1a. Evidence, 1b. Performance Gap)
   1a. Evidence: M-14; L-2; I-0. Performance Gap: H-3; M-9; L-3; I-1
   Rationale:
   • The evidence provided by the developer included a clinical practice guideline and systematic review, along with many additional citations.
   • The Committee generally agreed that restraint use is still frequently used, the measure has had a positive impact, and there is room for improvement (i.e., for alternative conflict mitigation strategies for patients who become agitated or other challenge to control).
   • Some of the data presented show a decrease in the median time in restraints from 2009 to 2018.
   • Other data presented by the developer indicated that restraint use was increasing with time, but the developer argued that those unexpected trends were the result of confounding case-mix.

2. Scientific Acceptability of Measure Properties: The measure meets the Scientific Acceptability criteria
   (2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)
   2a. Reliability: M-13; L-3; I-0; 2b. Validity: H-2; M-12; L-2; I-0
   Rationale:
   • The Committee accepted the data-element reliability testing (which showed perfect agreement pertaining to ~200 chart re-abstractions) and score level validity testing (which, as hypothesized, indicated a slight positive correlation with measure 0641 (seclusion) and no correlation with the other antipsychotic justify cation measure (arguably not a good comparator) were presented.
   • When asked if they believed a more direct test-retest reliability experiment was necessary—for example with two time-keepers monitoring each restraint event—the developer responded that this was not feasible, but that they did visit several facilities to verify chart reviews, and there were procedures in place at each facility to get precise start and stop times for restraint use.

3. Feasibility: H-2; M-11; L-3; I-0
   (3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)
   Rationale:
   • The measure uses EHR or paper medical record data. One member commented that there is not additional burden as there are already strict requirements in place to keep track of time when patients are placed in seclusion.

4. Usability and Use: The maintenance measure meets the Use subcriterion
   (Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)
   4a. Use: Pass-16; No Pass-0; 4b. Usability: H-3; M-10; L-2; I-1
Rationale:
- It was noted that there may be an unintentional consequence of increasing the use of as needed medication if trying to reduce restraint use. Stated another way, the Committee believes that seclusion, physical constraints, and chemical constraints (e.g., sedation), likely act as substitutes/complements for one another and future measures should consider that connectivity.
- The measure is publicly reported and used for accountability.

5. Related and Competing Measures
- This measure is related to measure 0687: Percent of Residents Who Were Physically Restrained (Long Stay).
  - The measure focus is the same, but the populations are different – psychiatric inpatients versus long stay care residents.
- The Committee discussed that this measure is also conceptually related to 0641 (seclusion) and expressed some interest in exploring how these measures work together or if they could be considered together in the future.

Standing Committee Recommendation for Endorsement: Yes-14; No-2

6. Public and Member Comment

7. Consensus Standards Approval Committee (CSAC) Endorsement Decision: Yes-X; No-X

8. Appeals

0641 HBIPS-3 Hours of seclusion use

Submission | Specifications

Description: The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were held in seclusion.

Numerator Statement: The total number of hours that all psychiatric inpatients were held in seclusion
Numerator Basis: The numerator evaluates the number of hours of seclusion; however, the algorithm calculates the number of minutes to ensure a more accurate calculation of the measure. Convert the minutes to hours when analyzing and reporting this measure.

Denominator Statement: Number of psychiatric inpatient days
Denominator basis per 1,000 hours
To compute this measure rate, a base of 1000 hours has been applied to total patient days in the denominator (i.e., total patient days are divided by 1000). The purpose of this is to create a smaller denominator number, thus providing a more understandable rate. When multiplied by 1000, this rate measures numerator occurrence per total patient days.

**Exclusions:** Total leave days

**Adjustment/Stratification:** The measure is stratified by the following age groups:

- **Children (1 through 12 years)** — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- **Adolescent (13 through 17 years)** — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- **Adult (18 through 64 years)** - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- **Older Adult (65 years or greater)** - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

**Level of Analysis:** Facility, Other

**Setting of Care:** Inpatient/Hospital

**Type of Measure:** Process

**Data Source:** Electronic Health Records, Paper Medical Records. Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

**Measure Steward:** The Joint Commission

---

**STANDING COMMITTEE MEETING 06/19/2019**

1. **Importance to Measure and Report:** The measure meets the Importance criteria.

1a. Evidence: **M-12; L-4; I-0.** Performance Gap: **H-2; M-12; L-2; I-0**

Rationale:

- The developer cites the same evidence as used for the previous endorsement and provides a logic model linking decreased seclusion use to decreased patient and staff injuries, shorter lengths of stays and decreased costs. Though at least one member believed the evidence that directly links decreased seclusion use to these outcomes is not very strong.
- At least one member shared that the measure has helped drive change in the culture on inpatient units towards the use of seclusion. Another member believed the evidence for seclusion use was less straightforward than restraint use (e.g., seclusion might be a way to prevent restraint and may be more appropriate in some cases; or seclusion might be desired by, rather than imposed upon, the patient).
- Performance data showed that mean rates varied between 2009-2018 while median rates decreased, with some outliers present. Data also suggested disparities by race, age, and gender.
2. Scientific Acceptability of Measure Properties: The measure meets the Scientific Acceptability criteria
(2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)
2a. Reliability: M-13; L-3; I-0; 2b. Validity: H-1; M-14; L-1; I-0

Rationale:
- The Committee accepted the data element reliability testing results (n=190 patient cases; 9 observations for the numerator elements). The Committee also accepted the validity testing which showed a significant slight positive correlation with measure 0640 (restraints).
- The Committee briefly discussed that the developer presented face validity results from hospital representatives which were favorable.
- One Committee member also asked for the developer to clarify their “target analysis.” That analysis creates a benchmark and allows hospitals to see how they are performing relative to others. That target analysis was used to support the presence of a performance gap in a subset of identified hospitals.

3. Feasibility: H-1; M-12; L-3; I-0
(3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)

Rationale:
- The Committee did not have many comments on feasibility but noted that this measure is a human-recorded measure and that some psychiatric facilities rely on paper rather than more automated electronic records.

4. Usability and Use: The maintenance measure meets the Use subcriterion
(Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)

4a. Use: Pass-16; No Pass-0; 4b. Usability: H-2; M-12; L-1; I-1

Rationale:
- The measure is used for public reporting and accountability.
- The Committee did not raise any concerns about usability not already discussed for measure 0640.

5. Related and Competing Measures
- No related or competing measures were noted by the developer.
- The Committee noted this measure (seclusion) and 0640 (restraints) are conceptually related. The committee expressed interested in how these measures may work together but they are currently harmonized to the extent possible. One Committee member was interested in how measures might in the future be engineered to consider de-escalation strategies more generally.

Standing Committee Recommendation for Endorsement: Yes-14; No-2
6. Public and Member Comment

7. Consensus Standards Approval Committee (CSAC) Endorsement Decision: Yes-X; No-X

8. Appeals

3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence (FUA)

Submission | Specifications

Description: The percentage of emergency department (ED) visits for members 13 years of age and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence, who had a follow up visit for AOD. Two rates are reported:

- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

Numerator Statement: The numerator consists of two rates:

- 30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit.
- 7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit.

These rates are stratified by age (13–17, 18 and older, total).

Denominator Statement: Emergency department (ED) visits with a primary diagnosis of alcohol or other drug abuse or dependence on or between January 1 and December 1 of the measurement year where the member was 13 years or older on the date of the visit.

Exclusions: Patients in hospice.

Adjustment/Stratification: This measure is stratified by age:

- Age 13 to 17 years
- Age 18 and older
- Total (sum of the age stratifications)

Level of Analysis: Health Plan
Setting of Care: Outpatient Services
Type of Measure: Process
Data Source: Claims. This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set
(HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

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

---

**STANDING COMMITTEE MEETING 06/19/2019**

1. **Importance to Measure and Report:** The measure meets the Importance criteria.

   (1a. Evidence, 1b. Performance Gap)

   **1a. Evidence:** H-4; M-10; L-0; I-0. **Performance Gap:** H-8; M-6; L-0; I-0

   **Rationale:**
   - Published clinical guidelines and literature link ongoing treatment of patients with substance abuse, including follow-up care after an acute episode of the illness such as an ED visit, to improved patient outcomes such as reduce risk of subsequent ED visits.
   - Data indicate a performance gap with very low performance overall and performance variation across payer types and age groups. Average 30-day follow-up performance across all ages is 12 percent for Medicare plans, 18 percent for Medicaid plans, and 14 percent for commercial plans.
   - The Committee agreed the measure provides healthcare organizations a way to monitor quality of care for vulnerable populations.
   - There was a minor concern that patients visiting the ED multiple times are only counted once, and then removed from the denominator.
   - The Committee expressed interest in denominator events where SUD is the secondary rather than the primary diagnosis. The developer explained that for the present they aimed to restrict focus to the most certain diagnostic cases (i.e., to the primary diagnosis exclusively).
   - The Committee supported that a visit with any provider that records SUD as the primary diagnosis is counted in the numerator (e.g., a primary care provider attending to SUD would be considered a true qualifying event).
   - At least one member expressed support for the inclusion of telehealth as appropriate follow-up. Members concerned that a simple survey of a patient, even an online survey, might be inappropriately counted as a bona fide follow-up event were assuaged by the developer who noted that only two-way communications (e.g., survey plus a response from provider) were counted as such, even as that two-way exchange could be asynchronous (e.g., via email).

2. **Scientific Acceptability of Measure Properties:** The measure meets the Scientific Acceptability criteria

   (2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)

   **2a. Reliability:** H-2; M-12; L-0; I-0
   **2b. Validity:** H-2; M-12; L-0; I-0

   **Rationale:**
   - Signal to noise score-level reliability testing results indicated moderate/high reliability across age groups and payer types (reliability statistic 0.81-0.98).
   - Validity testing at the score level indicated a strong positive correlation between this measure and 3489: Follow-Up After Emergency Department Visit for Mental Illness across all payer types (validity statistics from 0.42 to 0.57, all statistically significant).
Correlations for within measure 7-day and 30-day rates were strong (>0.94, all statistically significant).

The Committee accepted the measure’s scientific acceptability without concern.

3. Feasibility: H-6; M-7; L-1; I-0
(3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)
Rationale:
- The measure uses claims data and the committee did not express any feasibility concerns.

4. Usability and Use: The maintenance measure meets the Use subcriterion
(Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)
4a. Use: Pass-13; No Pass-1 4b. Usability: H-3; M-10; L-1; I-0
Rationale:
- The measure is used in multiple national reporting programs such as the Medicaid Core Set, demonstration programs to certify a community’s behavioral clinics, and HEDIS reporting by all product lines to NCQA.
- The Committee agreed the measure is usable. One member expressed that in the future measures should consider the quality of transition and follow-up care (e.g., communication at hand-off, integration of primary and specialty care, appropriateness of level of care assigned).

5. Related and Competing Measures
- This measure is related to the following measures:
  o 0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
  o 3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
  o 3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
  o 0576: Follow-Up After Hospitalization for Mental Illness (FUH)
  o 3489: Follow-Up After Emergency Department Visit for Mental Illness
- The Committee did not note any immediate harmonization opportunities, however generally encouraged a more holistic approach to measuring continuity of care, follow-up, and care coordination for various conditions and populations.

Standing Committee Recommendation for Endorsement: Yes-13; No-1

6. Public and Member Comment
7. Consensus Standards Approval Committee (CSAC) Endorsement Decision: Yes-X; No-X

8. Appeals

3489 Follow-Up After Emergency Department Visit for Mental Illness (FUM)

Submission | Specifications

**Description:** The percentage of emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm, who had a follow-up visit for mental illness. Two rates are reported:

- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

**Numerator Statement:** The numerator consists of two rates:

- 30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

**Denominator Statement:** Emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm on or between January 1 and December 1 of the measurement year.

**Exclusions:** Patients in hospice.

**Adjustment/Stratification:** N/A

**Level of Analysis:** Health Plan

**Setting of Care:** Outpatient Services

**Type of Measure:** Process

**Data Source:** Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set (HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

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

STANDING COMMITTEE MEETING 06/19/2019

1. Importance to Measure and Report: The measure meets the Importance criteria.

(1a. Evidence, 1b. Performance Gap)
1a. Evidence: H-4; M-10; L-0; I-0 Performance Gap: H-7; M-7; L-0; I-0

Rationale:
- The evidence is primarily based on review of four guidelines. The Committee discussed that the measure targets broader processes than those specified in the guidelines, but they still agreed that follow-up from a mental illness related ED visit is important.
- For 2016 and 2017, the 30-day follow up varied from 60% with commercial coverage to 47% with Medicare. The 7-day rates varied from 46% commercial to 31%, respectively.

2. Scientific Acceptability of Measure Properties: The measure meets the Scientific Acceptability criteria
   (2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)
   2a. Reliability: H-2; M-11; L-1; I-0 2b. Validity: H-2; M-12; L-0; I-0

Rationale:
- Signal to noise reliability tested showed high reliability (statistics exceeded 0.91).
- Validity testing at the score level indicated a strong positive correlation between this measure and 3489: Follow-Up After Emergency Department Visit for Mental Illness across all payer types (validity statistics from 0.42 to 0.57, all statistically significant).
- Correlation between the 7- and 30- days rates was high (r >0.92), as expected.
- The Committee accepted the measure’s scientific acceptability without concern.

3. Feasibility: H-5; M-8; L-1; I-0
   (3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)

Rationale:
- The measure is feasible as it uses claims data that are readily available and captured without burden.

4. Usability and Use: The maintenance measure meets the Use subcriterion
   (Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)
   4a. Use: Pass-13; No Pass-1; 4b. Usability: H-4; M-10; L-0; I-0

Rationale:
- The measure is used in multiple national reporting programs such as the Medicaid Core Set, demonstration programs to certify a community’s behavioral clinics, and HEDIS reporting by all product lines to NCQA.
- One Committee member noted that the two years of data presented did not show an upward trend. The developer responded that the measure is relatively new, and it is not uncommon across HEDIS measures to see the rates fluctuate during the first few years of deployment. Improvement is otherwise expected with time.
- The Committee discussed that a lack of resources in many areas impact the ability of EDs to connect patients with follow-up care, but this measure is specified and tested at the health plan level of analysis (e.g., health plans are held responsible based on this measure).
5. Related and Competing Measures

- This measure is related to the following measures:
  - 0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
  - 3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
  - 3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
  - 0576: Follow-Up After Hospitalization for Mental Illness (FUH)
  - 3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

- The Committee did not note any immediate harmonization opportunities, however generally encouraged a more holistic approach to measuring continuity of care, follow-up, and care coordination for various conditions and populations.

Standing Committee Recommendation for Endorsement: Y-13; N-1

6. Public and Member Comment

7. Consensus Standards Approval Committee (CSAC) Endorsement Decision: Yes-X; No-X

8. Appeals
Measure Where Consensus Is Not Yet Reached

1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths complete

Submission | Specifications

Description: The proportion of patients, age greater than and equal to 1 year, admitted to a hospital-based inpatient psychiatric setting who are screened within the first three days of hospitalization for all of the following: risk of violence to self or others, substance use, psychological trauma history and patient strengths.

Numerator Statement: Psychiatric inpatients with admission screening within the first three days of admission for all of the following: risk of violence to self or others; substance use; psychological trauma history; and patient strengths

Denominator Statement: Psychiatric inpatient discharges

Exclusions:
- Patients for whom there is an inability to complete admission screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths within the first three days of admission due to the patient’s inability or unwillingness to answer screening questions
- Patients with a Length of Stay = or less than 3 days or = or greater than 365 days

Adjustment/Stratification: The measure is stratified by the following age groups:
- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

Level of Analysis: Facility, Other

Setting of Care: Inpatient/Hospital

Type of Measure: Process

Data Source: Electronic Health Records, Paper Medical Records. Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

Measure Steward: The Joint Commission

STANDING COMMITTEE MEETING 06/19/2019

1. Importance to Measure and Report: Consensus Not Reached.
   (1a. Evidence, 1b. Performance Gap)
1a. Evidence: H-0; M-11; L-5; I-0 1b. Performance Gap: H-0; M-9; L-7; I-0

Rationale:

- Updated 2016 American Psychiatric Association (APA) practice guidelines are used to support the measure. There were mixed views regarding the evidence presented, which mainly use the updated 2016 APA guidelines. At least one member suggested that the measure application lacked a sufficient link to outcomes, while another felt deployment of this measure was of obvious importance.
- Committee members asked the developer to address the concern that the three-day period allowed for such screening was too long, especially to ascertain substance use or violence threats for a newly admitted patient. In response to the three-day window question, the developer said that this period of review was explicitly noted as a maximum time rather than an optimal time.
- Some Committee members expressed concern that the measure may have “topped out” as performance rates have increased from 87 percent in 2009 to 92.7 percent in 2018, and no disparities were presented. In 2018 the 20th percentile was 92 percent, and the 70th percentile was 99 percent. At least one member believed performance could still be closer to 100%
- The developer shared that they were aware of inter-facility differences and noted that rates are not the same for free standing facilities versus acute hospital unit or military/government facilities.

2. Scientific Acceptability of Measure Properties: The measure meets the Scientific Acceptability criteria

(2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)

2a. Reliability: M-13; L-3; I-0 2b. Validity: H-0; M-11; L-4; I-1

Rationale:

- The data element reliability testing was done using a sample of 191 patient records. There was a very high level of agreement along each of the data elements in the numerator and denominator of > 98%, based on a simple repeat review of medical charts.
- Validity testing presented by the developer included the absence of significant correlations between this measure and measures of hours of restraint and seclusion use (measures 0640 and 0641) describe above, and a small, significant correlation between this measure and appropriate justification of multiple antipsychotic use (r=0.14, p=0.0002; measure 0560). This validity presentation, however, was regarded by some Committee members as reflecting only that various screening was occurring rather than that more specific risk screening was happening. Some Committee members thus believed the comparative standard used was a poor indicator of true risk/strength screening targeted by this measure.

3. Feasibility: H-2; M-2; L-3; I-11

(3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)

Rationale:

- The elements are generated during the care process and defined in health record data.
- The Committee acknowledged the measure has been widely used since 2011.
4. Usability and Use: The maintenance measure meets the Use subcriterion
(Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)
4a. Use: Pass-14; No Pass-2; 4b. Usability: H-0; M-12; L-4; I-0
Rationale:
- This measure is used in the joint Commission’s Hospital Accreditation program and publicly reported in ORYX Performance Measure Reporting Program.

5. Related and Competing Measures
- This measure is related but not competing with the following measures:
  - 0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
  - 1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
  - 2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
  - 2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
  - 2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
- The measures are currently harmonized to the extent possible. The developer noted differences in level of analysis, diagnosis specificity, and the aspects and focus of the screenings across these measures.

Standing Committee Recommendation for Endorsement: Yes-9; No-7 (Consensus not reached)
Rationale:
- Greater than 60% consensus was not achieved, this measure will be discussed further during the cycle in an effort to reach a consensus.

6. Public and Member Comment
Measure Not Recommended

0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
Submission
Description: The proportion of patients, age greater than and equal to 1 year, discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification.
Numerator Statement: Psychiatric inpatients discharged on two or more routinely scheduled antipsychotic medications with appropriate justification.
Denominator Statement: Psychiatric inpatient discharges
Exclusions:
- Patients who expired
- Patients with an unplanned departure resulting in discharge due to elopement
- Patients with an unplanned departure resulting in discharge due to failing to return from leave
- Patients with a length of stay less than or equal to 3 days

Adjustment/Stratification: The measure is stratified by the following age groups:
- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 65 years

Level of Analysis: Facility, Other
Setting of Care: Inpatient/Hospital
Type of Measure: Process

Data Source: Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

Measure Steward: The Joint Commission

STANDING COMMITTEE MEETING 06/19/2019

1. Importance to Measure and Report: The measure does not meet the Importance criteria (1a. Evidence, 1b. Performance Gap)
   1a. Evidence: H-1; M-2; L-6; I-7

Rationale:
- The developer cited evidence used to inform the 2004 American Psychiatric Association (APA) Practice guideline for the treatment of patients with schizophrenia, which included a meta-analysis of various RCTs and observational studies comparing polypharmacy to monotherapy. The developer stated that a literature search did not yield new guidelines or significant research that would warrant a measure change.
- Several Committee members noted the growing controversy in the field about the use of multiple antipsychotics (which is sometimes indicated) and expressed that the evidence presented was dated.
- In response, the developer noted that the measure is based on current guidelines, though new APA guidelines are anticipated in September 2019. The developer also argued that the measure neither supports or discourages polypharmacy, but only requires that one of three evidence-based justifications be proffered if it is used.
• At least one Committee member voiced support for these justifications and the measure as it was presented. Other Committee members expressed concern that the evidence presented did not fully consider the possibility that the measure may discourage polypharmacy when it is indicated. Committee members also held to their concern that the evidence presented was specific to schizophrenia even as the measure specifications were not similarly restricted to the use of antipsychotics for that single indication.
• The Committee recommended that a more rigorous environmental scan be conducted and suggested the measure may need to be updated accordingly. Ultimately the measure did not meet pass Evidence (a must-pass criterion), therefore discussion and voting on the remaining criteria did not continue.

2. Scientific Acceptability of Measure Properties: The measure meets the Scientific Acceptability criteria

(2a. Reliability - precise specifications, testing; 2b. Validity - testing, threats to validity)
2a. Reliability: N/A; 2b. Validity: N/A
Rationale: N/A

3. Feasibility: H-2; M-2; L-3; I-11

(3a. Clinical data generated during care delivery; 3b. Electronic sources; 3c. Susceptibility to inaccuracies/unintended consequences identified; 3d. Data collection strategy can be implemented)
Rationale: N/A

4. Usability and Use: The maintenance measure meets the Use subcriterion

(Used and useful to the intended audiences for 4a. Accountability and Transparency; 4b. Improvement; and 4c. Benefits outweigh evidence of unintended consequences)
4a. Use: Pass-N/A; No Pass-N/A; 4b. Usability: N/A
Rationale: N/A

5. Related and Competing Measures

• N/A

6. Public and Member Comment

7. Consensus Standards Approval Committee (CSAC) Endorsement Decision: Yes-X; No-X

8. Appeals
### Appendix B: Behavioral Health and Substance Use Portfolio—Use in Federal Programs

<table>
<thead>
<tr>
<th>NQF #</th>
<th>Title</th>
<th>Federal Programs: Finalized or Implemented as of July 10, 2019</th>
</tr>
</thead>
</table>
| 0004  | Initiation and Engagement of Alcohol and Other Drug Dependence Treatment | Merit-based Incentive Payment System (MIPS) (Finalized 2016)  
Qualified Health Plan (QHP) Quality Rating System (QRS) (Implemented 2015) |}
| 0004e | Initiation and Engagement of Alcohol and Other Drug Dependence Treatment (eMeasure) | Merit-based Incentive Payment System (MIPS) (Finalized 2018) |
| 0027  | Medical Assistance With Smoking and Tobacco Use Cessation              | Medicaid (Implemented 2018)  
Qualified Health Plan (QHP) Quality Rating System (QRS) (Implemented 2016) |}
| 0028  | Preventive Care & Screening: Tobacco Use: Screening & Cessation Intervention | Merit-based Incentive Payment System (MIPS) (Finalized 2016)  
Medicare Shared Savings Program (MSSP) (Implemented 2012) |}
| 0028e | Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention (eMeasure) | Merit-based Incentive Payment System (MIPS) (Implemented 2018)  
Million Hearts (Implemented 2018)  
Medicaid Promoting Interoperability Program (Implemented 2019) |}
| 0104  | Adult Major Depressive Disorder: Suicide Risk Assessment               | Merit-based Incentive Payment System (MIPS) (Implemented 2016) |}
| 0104e | Adult Major Depressive Disorder: Suicide Risk Assessment (eMeasure)   | Merit-based Incentive Payment System (MIPS) (Implemented 2018)  
Medicaid Promoting Interoperability Program (Implemented 2019) |}
| 0105  | Antidepressant Medication Management (AMM)                            | Merit-based Incentive Payment System (MIPS) (Finalized 2016)  
Qualified Health Plan (QHP) Quality Rating System (QRS) (Implemented 2016)  
Medicaid (Implemented 2013) |}
| 0105e | Antidepressant Medication Management (AMM) (eMeasure)                | Merit-based Incentive Payment System (MIPS) (Implemented 2018)  
Medicaid Promoting Interoperability Program (Implemented 2019) |}
| 0108  | Follow-Up Care for Children Prescribed ADHD Medication (ADD)          | Merit-based Incentive Payment System (MIPS) (Finalized 2016)  
Medicaid (Implemented 2018)  
Qualified Health Plan (QHP) Quality Rating System (QRS) (Implemented 2016) |}

*a Per CMS Measures Inventory Tool as of 07/12/2019*
<table>
<thead>
<tr>
<th>NQF #</th>
<th>Title</th>
<th>Federal Programs: Finalized or Implemented as of July 10, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0108e</td>
<td>Follow-Up Care for Children Prescribed ADHD Medication (ADD) (eMeasure)</td>
<td>Merit-based Incentive Payment System (MIPS) (Implemented 2018) Medicaid Promoting Interoperability Program (Implemented 2019)</td>
</tr>
<tr>
<td>0418</td>
<td>Preventive Care and Screening: Screening for Depression and Follow-Up Plan</td>
<td>Medicaid (Implemented 2018)</td>
</tr>
<tr>
<td>0418e</td>
<td>Preventive Care and Screening: Screening for Depression and Follow-Up Plan (eMeasure)</td>
<td>Merit-based Incentive Payment System (MIPS) (Implemented 2018) Medicaid Promoting Interoperability Program (Implemented 2019)</td>
</tr>
<tr>
<td>0560</td>
<td>HBIPS-5 Patients Discharged on Multiple Antipsychotic Medications with Appropriate Justification</td>
<td>Hospital Compare (Implemented 2013) Inpatient Psychiatric Quality Reporting (Implemented 2013)</td>
</tr>
<tr>
<td>0640</td>
<td>HBIPS-2 Hours of physical restraint use</td>
<td>Hospital Compare (Implemented 2013) Inpatient Psychiatric Facility Quality Reporting (Implemented 2013)</td>
</tr>
<tr>
<td>0641</td>
<td>HBIPS-3 Hours of seclusion use</td>
<td>Hospital Compare (Implemented 2013) Inpatient Psychiatric Facility Quality Reporting (Implemented 2013)</td>
</tr>
<tr>
<td>0710e</td>
<td>Depression Remission at Twelve Months (eMeasure)</td>
<td>Merit-based Incentive Payment System (MIPS) (Implemented 2018) Medicaid Promoting Interoperability Program (Implemented 2019)</td>
</tr>
<tr>
<td>0711</td>
<td>Depression Remission at Six Months</td>
<td>Merit-Based Incentive Payment System (MIPS) Program (Finalized 2016)</td>
</tr>
<tr>
<td>0712e</td>
<td>Depression Utilization of the PHQ-9 Tool (eMeasure)</td>
<td>Merit-based Incentive Payment System (MIPS) (Implemented 2018) Medicaid Promoting Interoperability Program (Implemented 2019)</td>
</tr>
<tr>
<td>1365</td>
<td>Child and Adolescent Major Depressive Disorder: Suicide Risk Assessment</td>
<td>Merit-based Incentive Payment System (MIPS) (Finalized 2016)</td>
</tr>
<tr>
<td>1365e</td>
<td>Child and Adolescent Major Depressive Disorder: Suicide Risk Assessment (eMeasure)</td>
<td>Merit-based Incentive Payment System (MIPS) (Implemented 2018) Medicaid Promoting Interoperability Program (Implemented 2019)</td>
</tr>
<tr>
<td>NQF #</td>
<td>Title</td>
<td>Federal Programs: Finalized or Implemented as of July 10, 2019</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1651</td>
<td>TOB-1 Tobacco Use Screening</td>
<td>Hospital Compare (Implemented 2016) Inpatient Psychiatric Facility Quality Reporting (Implemented 2016; to be removed 2019)</td>
</tr>
<tr>
<td>1654</td>
<td>TOB - 2 Tobacco Use Treatment Provided or Offered and the subset measure TOB-2a Tobacco Use Treatment</td>
<td>Hospital Compare (Implemented 2016) Inpatient Psychiatric Hospital Facility Reporting (Implemented 2016)</td>
</tr>
<tr>
<td>1656</td>
<td>TOB-3 Tobacco Use Treatment Provided or Offered at Discharge and the subset measure TOB-3a Tobacco Use Treatment at Discharge</td>
<td>Hospital Compare (Implemented 2017) Inpatient Psychiatric Hospital Facility Reporting (Implemented 2017)</td>
</tr>
<tr>
<td>1661</td>
<td>SUB-1 Alcohol Use Screening</td>
<td>Hospital Compare (Implemented 2015) Inpatient Psychiatric Facility Quality Reporting (Implemented 2015; to be removed 2019)</td>
</tr>
<tr>
<td>1663</td>
<td>SUB-2 Alcohol Use Brief Intervention Provided or Offered and SUB-2a Alcohol Use Brief Intervention</td>
<td>Hospital Compare (Implemented 2017) Inpatient Psychiatric Facility Quality Reporting (Implemented 2017)</td>
</tr>
<tr>
<td>1664</td>
<td>SUB-3 Alcohol &amp; Other Drug Use Disorder Treatment Provided or Offered at Discharge and SUB-3a Alcohol &amp; Other Drug Use Disorder Treatment at Discharge</td>
<td>Inpatient Psychiatric Facility Quality Reporting (Implemented 2017)</td>
</tr>
<tr>
<td>1879</td>
<td>Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
<td>Merit-based Incentive Payment System (MIPS) (Finalized 2016) Medicaid (Implemented 2013)</td>
</tr>
<tr>
<td>1932</td>
<td>Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medications (SSD)</td>
<td>Medicaid (Implemented 2018)</td>
</tr>
<tr>
<td>2152</td>
<td>Preventive Care and Screening: Unhealthy Alcohol Use: Screening &amp; Brief Counseling</td>
<td>Merit-based Incentive Payment System (MIPS) (Finalized 2016)</td>
</tr>
<tr>
<td>NQF #</td>
<td>Title</td>
<td>Federal Programs: Finalized or Implemented as of July 10, 2019</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>2605</td>
<td>Follow-up after Discharge from the Emergency Department for Mental Health or Alcohol or Other Drug Dependence</td>
<td>Medicaid (Implemented 2018)</td>
</tr>
<tr>
<td>2607</td>
<td>Diabetes Care for People with Serious Mental Illness: Hemoglobin A1c (HbA1c) Poor Control (&gt;9.0%)</td>
<td>Medicaid (Implemented 2017)</td>
</tr>
<tr>
<td>3175</td>
<td>Continuity of Pharmacotherapy for Opioid Use Disorder</td>
<td>Merit-Based Incentive Payment System (MIPS) Program (Finalized 2018)</td>
</tr>
</tbody>
</table>
Appendix C: Behavioral Health and Substance Use Standing Committee and NQF Staff

STANDING COMMITTEE

Peter Briss, MD, MPH (Co-Chair)
Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion
Chamblee, Georgia

Harold Pincus, MD (Co-Chair)
Irving Institute for Clinical and Translational Research at Columbia University
New York, New York

Mady Chalk, PhD, MSW
The Chalk Group
Washington, District of Columbia

David Einzig, MD
Children's Hospital and Clinics Of Minnesota
Saint Paul, Minnesota

Julie Goldstein Grumet, PhD
Education Development Center/Suicide Prevention Resource Center/National Action Alliance for Suicide Prevention
Washington, District of Columbia

Charles Gross, PhD
Behavioral and Physical Health Integration, Anthem, Inc.
Hanover, Maryland

Constance Horgan, ScD
Institute for Behavioral Health, The Heller School for Social Policy and Management, Brandeis University
Waltham, Massachusetts

Lisa Jensen, DNP, APRN
Specialty Care Services, Veteran’s Health Administration
North Salt Lake, Utah

Dolores (Dodi) Kelleher, MS, DMH
D Kelleher Consulting
Alameda, California

Kraig Knudsen, PhD
Bureau of Research and Evaluation, Ohio Department of Mental Health and Addiction Services
Columbus, Ohio
Michael R. Lardieri, LCSW
Northwell Health, Behavioral Health Services Line
Glen Oaks, New York

Tami Mark, PhD, MBA
RTI International
Bethesda, Maryland

Raquel Mazon Jeffers, MPH, MIA
The Nicholson Foundation
Hopewell, New Jersey

Bernadette Melnyk, PhD, RN, CPNP/FAAN, FNAP, FAAN
The Ohio State University
Columbus, Ohio

Laurence Miller, MD
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Brooke Parish, MD
Blue Cross Blue Shield of New Mexico
Albuquerque, New Mexico

David Pating, MD
Kaiser Permanente
San Francisco, California

Vanita Pindolia, PharmD, MBA
Henry Ford Health System
Detroit, Michigan

Lisa Shea, MD, DFAPA
Lifespan
Providence, Rhode Island

Andrew Sperling, JD
National Alliance on Mental Illness
Arlington, Virginia

Jeffery Susman, MD
Northeast Ohio Medical University
Rootstown, Ohio

Michael Trangle, MD
HealthPartners Medical Group
Minnetonka, Minnesota
Bonnie Zima, MD, MPH
University of California, Los Angeles (UCLA) Semel Institute for Neuroscience and Human Behavior
Los Angeles, California

Leslie S. Zun, MD, MBA
Sinai Health System
Chicago, Illinois

NQF STAFF

Elisa Munthali, MPH
Senior Vice President, Quality Measurement

Michael Abrams, PhD, MPH
Senior Director

Nicolette Mehas, PharmD
Director

Desmirra Quinnonez
Project Manager

Hannah Bui, MPH
Project Analyst
Appendix D: Measure Specifications

Measures Recommended

0640 HBIPS-2 Hours of physical restraint use

STEWARD
The Joint Commission

DESCRIPTION
The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were maintained in physical restraint.

TYPE
Process

DATA SOURCE
Electronic Health Records, Paper Medical Records. Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

LEVEL
Facility, Other

SETTING
Inpatient/Hospital

NUMERATOR STATEMENT
The total number of hours that all psychiatric inpatients were maintained in physical restraint. Numerator Basis: The numerator evaluates the number of hours of physical restraint; however, the algorithm calculates the number of minutes to ensure a more accurate calculation of the measure. Convert the minutes to hours when analyzing and reporting this measure.

NUMERATOR DETAILS
Three data elements are used to calculate the numerator:
1. Event Date* - The month, day and year of the event.
2. Event Type* - The measure-related event being identified. Allowable values: 1. Physical Restraint 2. Seclusion
3. Minutes of Physical Restraint - The total minutes recorded in the medical record that a patient was maintained in Event Type 1 (physical restraint(s)) for the associated Event Date. Allowable values 1-1440 minutes
The data elements Event Date and Event Type are used for both HBIPS-2 (Hours of Physical Restraint Use) and HBIPS-3: Hours of Seclusion Use.

Patients are eligible for the numerator population when a physical restraint event occurs. A physical restraint is any manual method or physical or mechanical device, material, or equipment that immobilizes or reduces the ability of a patient to move his or her arms, legs, body or head freely when it is used as a restriction to manage a patient’s behavior or restrict the patient’s freedom of movement and is not a standard treatment for the patient’s medical or psychiatric condition. This definition is noted in the data element Minutes of Physical Restraint included with the submission.

**DENOMINATOR STATEMENT**

Number of psychiatric inpatient days
Denominator basis: per 1,000 hours
To compute this measure rate, a base of 1000 hours has been applied to total patient days in the denominator (i.e., total patient days are divided by 1000). The purpose of this is to create a smaller denominator number, thus providing a more understandable rate. When multiplied by 1000, this rate measures numerator occurrence per total patient days.

**DENOMINATOR DETAILS**

Seven data elements are used to calculate the denominator:
1. Admission Date – The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.
4. Psychiatric Inpatient Days - Medicare Only* - The sum of the number of days each Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).
5. Psychiatric Inpatient Days – Non-Medicare Only* - The sum of the number of days each non-Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).
6. Total Leave Days - Medicare Only* - The aggregate number of leave days for Medicare patients during the month.
7. Total Leave Days – Non-Medicare Only* - The aggregate number of leave days for non-Medicare patients during the month.

* The distinction between Medicare and Non-Medicare was added to account for the adoption of the HBIPS measures by the Centers for Medicare and Medicaid Services (CMS) Inpatient Psychiatric Facilities Quality Reporting Program

**EXCLUSIONS**

Total leave days
EXCLUSION DETAILS

- Patients who are on leave defined as an authorized or unauthorized absence of the patient from a psychiatric care setting, excluding discharges, during which the patient is absent from the psychiatric care setting at the time of the daily census and is not under the direct supervision of psychiatric care setting staff while absent.

RISK ADJUSTMENT

No risk adjustment or risk stratification

STRATIFICATION

The measure is stratified by the following age groups:

- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or equal to 65 years

TYPE SCORE

Ratio better quality = lower score

ALGORITHM

1. Run all cases that are included in the Initial Patient Population for HBIPS-2 and 3 and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure.
2. Check Event Type
   a. If Event Type equals 2, the case will proceed to a Measure Category Assignment of U for Overall Rate (HBIPS-2a) and will not be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Event Type equals 1, continue processing and proceed to Minutes of Physical Restraint.
3. Check Minutes of Physical Restraint
   a. If Minutes of Physical Restraint is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-2a) and will be rejected. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Minutes of Physical Restraint equals UTD, the case will proceed to a Measure Category Assignment of Y for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   c. If Minutes of Physical Restraint equals a Not able to Determine Value, the case will proceed to a Measure Category Assignment of E for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
4. Check Overall Rate Category Assignment
a. If Overall Rate Category Assignment equals U, Set the Measure Category Assignment for the strata measures (HBIPS-2b through HBIPS-2e) = ´U´. Stop processing.
b. If Overall Rate Category Assignment equals E, X or Y, continue processing and proceed to Patient Age at Time of Event.

5. Initialize the Measure Category Assignment for each strata measure (b-e) = ´B´. Do not change the Measure Category Assignment or Total Overall Restraint Minutes that was already calculated for the overall rate (HBIPS-2a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-2a) Measure Category Assignment.

6. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-2b = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 13 years, continue processing and proceed to Patient Age at Time of Event.

7. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-2c = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 18 years, continue processing and proceed to Patient Age at Time of Event.

8. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-2d = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-2e = Measure Category Assignment for measure HBIPS-2a. Stop processing.

COPYRIGHT / DISCLAIMER

No royalty or use fee is required for copying or reprinting this manual, but the following are required as a condition of usage: 1) disclosure that the Specifications Manual is periodically updated, and that the version being copied or reprinted may not be up-to-date when used unless the copier or printer has verified the version to be up-to-date and affirms that, and 2) users participating in Joint Commission accreditation, including ORYX® vendors, are required to update their software and associated documentation based on the published manual production timelines.

0641 HBIPS-3 Hours of seclusion use

STEWARD

The Joint Commission
DESCRIPTION
The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were held in seclusion.

TYPE
Process

DATA SOURCE
Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

LEVEL
Facility, Other

SETTING
Inpatient/Hospital

NUMERATOR STATEMENT
The total number of hours that all psychiatric inpatients were held in seclusion
Numerator Basis: The numerator evaluates the number of hours of seclusion; however, the algorithm calculates the number of minutes to ensure a more accurate calculation of the measure. Convert the minutes to hours when analyzing and reporting this measure.

NUMERATOR DETAILS
Three data elements are used to calculate the numerator:
1. Event Date*- The month, day and year of the event.
2. Event Type* - The measure-related event being identified. Allowable values: 1. Physical Restraint 2. Seclusion
3. Minutes of Seclusion - The total minutes recorded in the medical record that a patient was held in Event Type 2 (seclusion) for the associated Event Date. Allowable values 1-1440 minutes
*The data elements Event Date and Event Type are used for both HBIPS-2: (Hours of Physical Restraint Use) and HBIPS-3 (Hours of Seclusion Use).

Patients are eligible for the numerator population when a seclusion event occurs. Seclusion is the involuntary confinement of a patient alone in a room or an area where the patient is physically prevented from leaving. This definition is noted in the data element Minutes of Seclusion included with the submission.

DENOMINATOR STATEMENT
Number of psychiatric inpatient days
Denominator basis per 1,000 hours
To compute this measure rate, a base of 1000 hours has been applied to total patient days in the denominator (i.e., total patient days are divided by 1000). The purpose of this is to create a
smaller denominator number, thus providing a more understandable rate. When multiplied by 1000, this rate measures numerator occurrence per total patient days.

DENOMINATOR DETAILS
Seven data elements are used to calculate the denominator:
1. Admission Date – The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.
4. Psychiatric Inpatient Days - Medicare Only* - The sum of the number of days each Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).
5. Psychiatric Inpatient Days – Non-Medicare Only* - The sum of the number of days each non-Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).
6. Total Leave Days - Medicare Only* - The aggregate number of leave days for Medicare patients during the month.
7. Total Leave Days – Non-Medicare Only* - The aggregate number of leave days for non-Medicare patients during the month.

* The distinction between Medicare and Non-Medicare was added to account for the adoption of the HBIPS measures by the Centers for Medicare and Medicaid Services (CMS) Inpatient Psychiatric Facilities Quality Reporting Program

Populations: All psychiatric inpatient days.

EXCLUSIONS
Total leave days

EXCLUSION DETAILS
• Patients who are on leave defined as an authorized or unauthorized absence of the patient from a psychiatric care setting, excluding discharges, during which the patient is absent from the psychiatric care setting at the time of the daily census and is not under the direct supervision of psychiatric care setting staff while absent.

RISK ADJUSTMENT
No risk adjustment or risk stratification

STRATIFICATION
The measure is stratified by the following age groups:
• Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
• Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
• Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
• Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

**TYPE SCORE**

Ratio better quality = lower score

**ALGORITHM**

1. Run all cases that are included in the Initial Patient Population for HBIPS-2 and 3 and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure.

2. Check Event Type
   a. If Event Type equals 1, the case will proceed to a Measure Category Assignment of U for Overall Rate (HBIPS-3a) and will not be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Event Type equals 2, continue processing and proceed to Minutes of Seclusion.

3. Check Minutes of Seclusion
   a. If Minutes of Seclusion is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-3a) and will be rejected. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Minutes of Seclusion equals UTD, the case will proceed to a Measure Category Assignment of Y for Overall Rate (HBIPS-3a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   c. If Minutes of Seclusion equals a Not able to Determine Value, the case will proceed to a Measure Category Assignment of E for Overall Rate (HBIPS-3a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.

4. Check Overall Rate Category Assignment
   a. If Overall Rate Category Assignment equals U, Set the Measure Category Assignment for the strata measures (HBIPS-3b through HBIPS-3e) = ’U’. Stop processing.
   b. If Overall Rate Category Assignment equals E, X or Y, continue processing and proceed to Patient Age at Time of Event.

5. Initialize the Measure Category Assignment for each strata measure (b-e) = ‘B’. Do not change the Measure Category Assignment or Total Overall Restraint Minutes that was already calculated for the overall rate (HBIPS-3a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-3a) Measure Category Assignment.

6. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-3b = Measure Category Assignment for measure HBIPS-3a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 13 years, continue processing and proceed to Patient Age at Time of Event.

7. Check Patient Age at Time of Event
a. If Patient Age at Time of Event is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-3c = Measure Category Assignment for measure HBIPS-3a. Stop processing.

b. If Patient Age at Time of Event is greater than or equal 18 years, continue processing and proceed to Patient Age at Time of Event.

8. Check Patient Age at Time of Event

a. If Patient Age at Time of Event is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-3d = Measure Category Assignment for measure HBIPS-3a. Stop processing.

b. If Patient Age at Time of Event is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-3e = Measure Category Assignment for measure HBIPS-3a. Stop processing.

9. Measure Calculation for Aggregated Denominator. Denominator: For the overall measure and each strata measure calculate the denominator rate by aggregating the Psychiatric Inpatient Days and Leave Days. Number of Denominator Cases for the overall measure = (Psychiatric Inpatient Days – Leave Days), for all patients for the reporting month. Number of Denominator Cases for each strata measure = (Psychiatric Inpatient Days – Leave Days), for all patients with a Patient Age (Reporting Date - Birthdate) appropriate for the strata for the reporting month where Reporting Date is the last date of the reporting month that the census data is being reported. Performance Measurement Systems can refer to the Joint Commission’s ORYX Technical Implementation Guide for information concerning the aggregation of HCO level data, including the Observed Rate and Population Size for this measure.

COPYRIGHT / DISCLAIMER
No royalty or use fee is required for copying or reprinting this manual, but the following are required as a condition of usage: 1) disclosure that the Specifications Manual is periodically updated, and that the version being copied or reprinted may not be up-to-date when used unless the copier or printer has verified the version to be up-to-date and affirms that, and 2) users participating in Joint Commission accreditation, including ORYX® vendors, are required to update their software and associated documentation based on the published manual production timelines.

3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

STEWARD
National Committee for Quality Assurance

DESCRIPTION
The percentage of emergency department (ED) visits for members 13 years of age and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence, who had a follow up visit for AOD. Two rates are reported:

- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

**TYPE**

Process

**DATA SOURCE**

Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set (HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

**LEVEL**

Health Plan

**SETTING**

Outpatient Services

**NUMERATOR STATEMENT**

The numerator consists of two rates:

- 30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit.

- 7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit. These rates are stratified by age (13–17, 18 and older, total).

**NUMERATOR DETAILS**

30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- An online assessment (Online Assessments Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).
7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- An online assessment (Online Assessments Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

DENOMINATOR STATEMENT

Emergency department (ED) visits with a primary diagnosis of alcohol or other drug abuse or dependence on or between January 1 and December 1 of the measurement year where the member was 13 years or older on the date of the visit.

DENOMINATOR DETAILS

Age: 13 years and older as of the date of the ED visit
Benefit: Medical and chemical dependency.
Note: Members with detoxification-only chemical dependency benefits do not meet these criteria.

Continuous Enrollment: Date of emergency department visit through 30 days after the ED visit
Event/diagnosis criteria: An ED visit (ED Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set) on or between January 1 and December 1 of the measurement year where the member was 13 years or older on the date of the visit. The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.

If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1, then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.
Exclude ED visits that result in an inpatient stay and ED visits followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit, regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay.

These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

**EXCLUSIONS**

Patients in hospice.

**EXCLUSION DETAILS**

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

**RISK ADJUSTMENT**

No risk adjustment or risk stratification

**STRATIFICATION**

This measure is stratified by age:
- Age 13 to 17 years
- Age 18 and older
- Total (sum of the age stratifications)

**TYPE SCORE**

Rate/proportion better quality = higher score

**ALGORITHM**

Step 1: Determine the eligible population.
Step 1A: Identify patients with who were treated and discharged from an emergency department with a primary diagnosis of alcohol or other drug abuse or dependence. Do not include ED visits that result in an inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit.

Step 2: Identify the numerator.
Step 2A: Identify those who had a qualifying follow-up visit within 7 days.
Step 2B: Identify those who had a qualifying follow-up visit within 30 days.

Step 3: Calculate the rates.
Step 3A: Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up visit within 7 days (Step 2A) by the denominator (Step 1A).
Step 3B: Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up visit within 30 days (Step 2B) by the denominator (Step 1A).
3489 Follow-Up After Emergency Department Visit for Mental Illness

STEWARD
National Committee for Quality Assurance

DESCRIPTION
The percentage of emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm, who had a follow-up visit for mental illness. Two rates are reported:
- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

TYPE
Process

DATA SOURCE
Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set
(HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

LEVEL
Health Plan

SETTING
Outpatient Services

NUMERATOR STATEMENT
The numerator consists of two rates:
- 30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

NUMERATOR DETAILS
30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). Any of the following meet criteria for a follow-up visit:
- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An observation visit (Observation Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Any of the following meet criteria for a follow-up visit:

- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
DENOMINATOR STATEMENT

Emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm on or between January 1 and December 1 of the measurement year.

DENOMINATOR DETAILS

Age: 6 years and older as of the date of the ED visit
Benefit: Medical and mental health.
Continuous Enrollment: Date of emergency department visit through 30 days the ED visit
Event/diagnosis criteria: An ED visit (ED Value Set) with a principal diagnosis of mental illness or intentional self-harm (Mental Illness Value Set; Intentional Self-Harm Value Set) on or between January 1 and December 1 of the measurement year where the member was 6 years or older on the date of the visit.

The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.

If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1 then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.

Exclude ED visits that result in an inpatient stay and ED visits followed by admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit (31 total days), regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting:
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay.
These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

EXCLUSIONS

Patients in hospice.

EXCLUSION DETAILS

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

RISK ADJUSTMENT

No risk adjustment or risk stratification
STRATIFICATION
Not applicable.

TYPE SCORE
Rate/proportion better quality = higher score

ALGORITHM
Step 1: Determine the eligible population.
Step 1A: Identify patients with who were treated and discharged from an emergency
department with a primary diagnosis of mental health. Do not include ED visits that result in an
inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on
the date of the ED visit or within the 30 days after the ED visit.
Step 2: Identify the numerator.
Step 2A: Identify those who had a qualifying follow-up visit within 7 days.
Step 2B: Identify those who had a qualifying follow-up visit within 30 days.
Step 3: Calculate the rates.
Step 3A: Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up
visit within 7 days (Step 2A) by the denominator (Step 1A).
Step 3B: Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up
visit within 30 days (Step 2B) by the denominator (Step 1A).

COPYRIGHT / DISCLAIMER
The HEDIS® measures and specifications were developed by and are owned by the National
Committee for Quality Assurance (NCQA). The HEDIS measures and specifications are not clinical
guidelines and do not establish a standard of medical care. NCQA makes no representations,
warranties, or endorsement about the quality of any organization or physician that uses or
reports performance measures and NCQA has no liability to anyone who relies on such
measures or specifications. NCQA holds a copyright in these materials and can rescind or alter
these materials at any time. These materials may not be modified by anyone other than NCQA.
Anyone desiring to use or reproduce the materials without modification for a non-commercial
purpose may do so without obtaining any approval from NCQA. All commercial uses must be
approved by NCQA and are subject to a license at the discretion of NCQA.
©2019 NCQA, all rights reserved.
Calculated measure results, based on unadjusted HEDIS specifications, may not be termed
“Health Plan HEDIS rates” until they are audited and designated reportable by an NCQA-
Certified Auditor. Such unaudited results should be referred to as “Unaudited Health Plan HEDIS
Rates.” Accordingly, “Health Plan HEDIS rate” refers to and assumes a result from an unadjusted
HEDIS specification that has been audited by an NCQA-Certified HEDIS Auditor.
Limited proprietary coding is contained in the measure specifications for convenience. Users of
the proprietary code sets should obtain all necessary licenses from the owners of these code
sets. NCQA disclaims all liability for use or accuracy of any coding contained in the specifications.
Content reproduced with permission from HEDIS, Volume 2: Technical Specifications for Health
Plans. To purchase copies of this publication, including the full measures and specifications,
contact NCQA Customer Support at 888-275-7585 or visit http://www.ncqa.org/publications.
Measure Where Consensus Is Not Yet Reached

1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, PsychologicalTrauma History and Patient Strengths Completed

STEWARD
The Joint Commission

DESCRIPTION
The proportion of patients, age greater than and equal to 1 year, admitted to a hospital-based inpatient psychiatric setting who are screened within the first three days of hospitalization for all of the following: risk of violence to self or others, substance use, psychological trauma history and patient strengths.

TYPE
Process

DATA SOURCE
Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

LEVEL
Facility, Other

SETTING
Inpatient/Hospital

NUMERATOR STATEMENT
Psychiatric inpatients with admission screening within the first three days of admission for all of the following: risk of violence to self or others; substance use; psychological trauma history; and patient strengths

NUMERATOR DETAILS
Five data elements are used to calculate the numerator:
1. Patient Strengths - Documentation in the medical record that an admission screening for a minimum of two patient strengths was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.
2. Psychological Trauma History - Documentation in the medical record that an admission screening for a psychological trauma history was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.
3. Substance Use - Documentation in the medical record that an admission screening for substance use and alcohol use which occurred over the past twelve (12) months was performed.
within the first three days of admission. The screening must include: the type, amount, frequency of use and any problems due to past use. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

4. Violence Risk to Others - Documentation in the medical record that an admission screening for violence risk to others over the past six months was performed within the first three days of admission. Violence Risk to Others includes: threats of violence and/or actual commission of violence toward others. Documentation should include violence risk within the 6 months prior to admission AND any lifetime risk of violence to others beyond the 6 months prior to admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

5. Violence Risk to Self - Documentation in the medical record that an admission screening for violence risk to self over the past six months was performed within the first three days of admission. Violence Risk to Self includes: ideation, plans/preparation and/or intent to act if ideation present, past suicidal behavior and risk/protective factors within the 6 months prior to admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

Patients are eligible for the numerator population when the allowable value equals “yes” for all five data elements: Patient Strengths, Psychological Trauma History, Substance Use, Violence Risk to Others and Violence Risk to Self as defined above.

DENOMINATOR STATEMENT
Psychiatric inpatient discharges

DENOMINATOR DETAILS
Included Populations:
• Patients with ICD-10-CM Principal or Other Diagnosis Codes for Mental Disorders as defined in Appendix A, Table 10.01 (See S.2b.)
(See S.2b for attached code table)
Six data elements are used to calculate the denominator:
1. Admission Date – The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Discharge Date – The month day and year the patient was discharged from acute care, left against medical advice or expired during the stay.
4. ICD-10-CM Other Diagnosis Codes- The other or secondary (ICD-10-CM) codes associated with the diagnosis for this hospitalization.
5. ICD-10-CM Principal Diagnosis Code- The ICD-10-CM diagnosis code that is primarily responsible for the admission of the patient to the hospital for care during this hospitalization.
6. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.

EXCLUSIONS
• Patients for whom there is an inability to complete admission screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths within the first three days of admission due to the patient’s inability or unwillingness to answer screening questions
• Patients with a Length of Stay = or less than 3 days or = or greater than 365 days
EXCLUSION DETAILS

- Patients for whom screening cannot be completed due to the patient’s inability or unwillingness to answer assessment questions within the first three days of admission OR patients with a previous admission to the psychiatric unit during a single hospitalization.
- Length of stay (LOS) in days is equal to the Discharge Date minus the Admission Date. If the LOS is less than 3 days or greater than 365 days, the patient is excluded.

RISK ADJUSTMENT

No risk adjustment or risk stratification

STRATIFICATION

The measure is stratified by the following age groups:

- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

TYPE SCORE

Rate/proportion better quality = higher score

ALGORITHM

1. Run all cases that are included in the Initial Patient Population for HBIPS Discharge and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure
2. Calculate Length of Stay. Length of Stay, in days, is equal to the Discharge Date minus the Admission Date.
3. Check Length of Stay
   a. If Length of Stay is less than or equal to 3 days or greater than or equal to 365 days, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
   b. If Length of Stay is greater than 3 days and less than 365 days, continue processing and proceed to Psychiatric Care Setting.
4. Check Psychiatric Care Setting
   a. If Psychiatric Care Setting equals No, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
   b. If Psychiatric Care Setting equals Yes, continue processing.
5. Initialize Missing Counter to equal zero. Initialize No Screening Counter to equal zero, Initialize Incomplete Screening Counter to equal zero. Continue processing and proceed to Patient Strengths.
6. Check Patient Strengths
a. If Patient Strengths equals No, add one to No Screening Counter. Continue processing and proceed to Psychological Trauma History.

b. If Patient Strengths is missing, add one to Missing Counter. Continue processing and proceed to Psychological Trauma History.

c. If Patient Strengths equals Yes or X, Continue processing and proceed to check Patient Strengths.

7. Check Patient Strengths

a. If Patient Strengths equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Psychological Trauma History.

b. If Patient Strengths equals Yes, Continue processing and proceed to Psychological Trauma History.

8. Check Psychological Trauma History

a. If Psychological Trauma History equals No, add one to No Screening Counter. Continue processing and proceed to Substance Use.

b. If Psychological Trauma History is missing, add one to Missing Counter. Continue processing and proceed to Substance Use.

c. If Psychological Trauma History equals Yes or X, Continue processing and proceed to check Psychological Trauma History.

9. Check Psychological Trauma History

a. If Psychological Trauma History equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Substance Use.

b. If Psychological Trauma History equal Yes, Continue processing and proceed to Substance Use.

10. Check Substance Use

a. If Substance Use equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Others.

b. If Substance Use is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Others.

c. If Substance Use equals Yes or X, Continue processing and proceed to check Substance Use.

11. Check Substance Use

a. If Substance Use equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Others.

b. If Substance Use equal Yes, Continue processing and proceed to Violence Risk to Others.

12. Check Violence Risk to Others

a. If Violence Risk to Others equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Others.

b. If Violence Risk to Others is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Others.

c. If Violence Risk to Others equals Yes or X, Continue processing and proceed to check Violence Risk to Others.

13. Check Violence Risk to Others
a. If Violence Risk to Others equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Self.
b. If Violence Risk to Others equal Yes, Continue processing and proceed to Violence Risk to Self.

14. Check Violence Risk to Self
a. If Violence Risk to Self equals No, add one to No Screening Counter. Continue processing and proceed to Incomplete Screening Counter.
b. If Violence Risk to Self is missing, add one to Missing Counter. Continue processing and proceed to Incomplete Screening Counter.
c. If Violence Risk to Self equals Yes or X, Continue processing and proceed to check Violence Self.

15. Check Violence Risk to Self
a. If Violence Risk to Self equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Incomplete Screening Counter.
b. If Violence Risk to Self equal Yes, Continue processing and proceed to Incomplete Screening Counter.

16. Check Incomplete Screening Counter
a. If Incomplete Screening Counter equals 5, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Continue processing and proceed to initialize the Measure Category Assignment for each strata measure.
b. If Incomplete Screening Counter is less than five, continue processing and proceed to Missing Counter.

17. Check Missing Counter
a. If Missing Counter is more than zero, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-1a) and will be rejected. Proceed to step initialize the Measure Category Assignment for each strata measure.
b. If Missing Counter equals zero, continue processing and proceed to No Screening Counter.

18. Check No Screening Counter
a. If No Screening Counter is greater than zero, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-1a) and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.
b. If No Screening Counter equals zero, the case will proceed to a Measure Category Assignment of E and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.

19. Initialize the Measure Category Assignment for each strata measure (b-e) equal ‘B’. Do not change the Measure Category Assignment that was already calculated for the overall rate (HBIPS-1a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-1a) Measure Category Assignment. Continue processing and proceed to Overall Rate Category Assignment.

20. Check Overall Rate Category Assignment
a. If Overall Rate Category Assignment equals B, retain the Measure Category Assignment for the strata measures (HBIPS-1b through HBIPS-1e) equals B. Stop processing.
b. If Overall Rate Category Assignment equals D, E, or X, continue processing and proceed to Patient Age at Discharge.

21. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal to 1 year and less than 13 years, set the Measure Category Assignment for the measure HBIP-1b equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal to 13 years, continue processing and proceed to Patient Age at Discharge.

22. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal to 13 years and less than 18 years, set the Measure Category Assignment for the measure HBIP-1c equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal to 18 years, continue processing and proceed to Patient Age at Discharge.

23. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal to 18 years and less than 65 years, set the Measure Category Assignment for the measure HBIP-1d equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal to 65 years, set the Measure Category Assignment for the measure HBIP-1e equal to Measure Category Assignment for measure HBIP-1a. Stop processing.

COPYRIGHT / DISCLAIMER

No royalty or use fee is required for copying or reprinting this manual, but the following are required as a condition of usage: 1) disclosure that the Specifications Manual is periodically updated, and that the version being copied or reprinted may not be up-to-date when used unless the copier or printer has verified the version to be up-to-date and affirms that, and 2) users participating in Joint Commission accreditation, including ORYX® vendors, are required to update their software and associated documentation based on the published manual production timelines.
Comparison of NQF 0560, 1879, 2801, 3205

<table>
<thead>
<tr>
<th>Statement</th>
<th>Numerator</th>
<th>Setting</th>
<th>Level</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification</td>
<td>The proportion of patients, age greater than and equal to 1 year, discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification.</td>
<td>Centers for Medicare and Medicaid Services</td>
<td>Facility, Other</td>
<td>Inpatient/Hospital</td>
</tr>
<tr>
<td>1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
<td>Percentage of individuals at least 18 years of age as of the beginning of the measurement period with schizophrenia or schizoaffective disorder who had at least two prescription drug claims for antipsychotic medications and had a Proportion of Days Covered (PDC) of at least 0.8 for antipsychotic medications during the measurement period (12 consecutive months).</td>
<td>National Committee for Quality Assurance</td>
<td>Clinician : Group/Practice, Health Plan, Population : Regional and State</td>
<td>Outpatient Services</td>
</tr>
<tr>
<td>2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</td>
<td>Percentage of children and adolescents 1–17 years of age with a new prescription for an antipsychotic, but no indication for antipsychotics, who had documentation of psychosocial care as first-line treatment.</td>
<td>Centers for Medicare &amp; Medicaid Services</td>
<td>Health Plan, Integrated Delivery System, Population : Regional and State</td>
<td>Inpatient/Hospital</td>
</tr>
<tr>
<td>3205 Medication Continuation Following Inpatient Psychiatric Discharge</td>
<td>This measure assesses whether psychiatric patients admitted to an inpatient psychiatric facility (IPF) for major depressive disorder (MDD), schizophrenia, or bipolar disorder filled a prescription for evidence-based medication within 2 days prior to discharge and 30 days post-discharge. The performance period for the measure is two years.</td>
<td>National Committee for Quality Assurance</td>
<td>Facility</td>
<td>Facility</td>
</tr>
</tbody>
</table>

**Steward**
- The Joint Commission
- Centers for Medicare and Medicaid Services
- National Committee for Quality Assurance
- Centers for Medicare & Medicaid Services

**Data Source**
- Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed. No data collection instrument provided. Attachment HBIPS_Code_Tables_Med_Continuation_Data_Dictionary_20181231.xlsx
- Claims The data source for the measure calculation required the following Medicare files depending on the level of accountability where the measure is being used:
  - Denominator tables to determine individual enrollment
  - Prescription drug benefit (Part D) coverage tables
  - Beneficiary File
  - Institutional claims (Part A)
  - Non-institutional claims (Part B)—physician carrier/non-DME (durable medical equipment)
  - Prescription drug benefit (Part D) claims
  - Centers for Medicare and Medicaid Services (CMS) physician and physician specialty tables
  - National Plan and Provider Enumeration System (NPPES) database
  - No data collection instrument provided. Attachment NQF_1879_Code_Tables_2018_Final.xlsx
- Claims This measure is part of the Healthcare Effectiveness Data and Information Set (HEDIS). As part of HEDIS, the measure pulls from administrative claims collected in the course of providing care to health plan members. NCQA collects the HEDIS data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system. The measure has also been tested at the state level and could be reported by states if added to a relevant program. No data collection instrument provided Attachment 2801_APP_Value_Sets.xlsx
- Claims Medicare administrative data from Parts A, B, and D claims. No data collection instrument provided. Attachment Med_Continuation_Data_Dictionary_180816.xlsx

**Level**
- Facility, Other
- Health Plan, Integrated Delivery System, Population : Regional and State
- Facility

**Setting**
- Inpatient/Hospital
- Outpatient Services
- Inpatient/Hospital, Outpatient Services
- Inpatient/Hospital

**Numerators/Statement**
- 0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification.
- 1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia.
- 2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics.
- 3205 Medication Continuation Following Inpatient Psychiatric Discharge.

- The numerator for this measure includes:
  1. Discharges with a principal diagnosis of MDD in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge.
  2. Discharges with a principal diagnosis of schizophrenia in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge.
  3. Discharges with a principal diagnosis of bipolar disorder in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge.

- The numerator for this measure includes:
  1. The proportion of patients, age greater than and equal to 1 year, discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification.
  2. Percentage of individuals at least 18 years of age as of the beginning of the measurement period with schizophrenia or schizoaffective disorder who had at least two prescription drug claims for antipsychotic medications and had a Proportion of Days Covered (PDC) of at least 0.8 for antipsychotic medications during the measurement period (12 consecutive months).
  3. Percentage of children and adolescents 1–17 years of age with a new prescription for an antipsychotic, but no indication for antipsychotics, who had documentation of psychosocial care as first-line treatment.
  4. This measure assesses whether psychiatric patients admitted to an inpatient psychiatric facility (IPF) for major depressive disorder (MDD), schizophrenia, or bipolar disorder filled a prescription for evidence-based medication within 2 days prior to discharge and 30 days post-discharge. The performance period for the measure is two years.
<table>
<thead>
<tr>
<th>Numerator</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Numerator</strong></td>
<td>One data element is used to calculate the numerator:</td>
</tr>
<tr>
<td><strong>Details</strong></td>
<td>Appropriate Justification for Multiple Antipsychotic Medications - Documentation in the medical record of appropriate justification for discharging the patient on two or more routine antipsychotic medications. Allowable values: 1. The medical record contains documentation of a history of a minimum of three failed multiple trials of monotherapy. 2. The medical record contains documentation of a recommended plan to taper to monotherapy due to previous use of multiple antipsychotic medications OR documentation of a cross-taper in progress at the time of discharge. 3. The medical record contains documentation of augmentation of Clozapine. 4. The medical record contains documentation of a justification other than those listed in Allowable Values 1-3. 5. The medical record does not contain documentation supporting the reason for being discharged on two or more antipsychotic medications OR unable to determine from medical record documentation. Patients are eligible for the numerator population when they are discharged on two or more routinely scheduled antipsychotic medications with appropriate justification.</td>
</tr>
<tr>
<td><strong>PDC DENOMINATOR</strong></td>
<td>The PDC denominator is the number of days from the first prescription drug claim date through the end of the measurement period, or death date, whichever comes first.</td>
</tr>
<tr>
<td><strong>The numerator is defined as individuals with a PDC of 0.8 or greater.</strong></td>
<td>The PDC is calculated as follows:</td>
</tr>
</tbody>
</table>

| 0560 HBIPS-5 | Patients discharged on multiple antipsychotic medications with appropriate justification |

| 1879 | Adherence to Antipsychotic Medications for Individuals with Schizophrenia |

| 2801 | Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics |

| 3205 | Medication Continuation Following Inpatient Psychiatric Discharge |

**NATIONAL QUALITY FORUM**

**NOF REVIEW DRAFT—Comments due by August 26, 2019 by 6:00 PM ET.**
<table>
<thead>
<tr>
<th>0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification</th>
<th>1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia</th>
<th>2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</th>
<th>3205 Medication Continuation Following Inpatient Psychiatric Discharge</th>
</tr>
</thead>
</table>
| -bupropion  
-mirtazapine  
Psychotherapeutic Combinations  
-amitriptyline-chlordiazepoxide  
-amitriptyline-perphenazine  
-fluoxetine-olanzapine | MEDICATIONS FOR TREATMENT OF SCHIZOPHRENIA  
First-generation Antipsychotics  
-chlorpromazine  
-fluphenazine  
-haloperidol  
-haloperidol lactate  
-loxapine succinate  
-molindone  
-perphenazine  
-pimozide  
-prochlorperazine  
-thioridazine  
-thiothixene  
-trifluoperazine  
Second-generation (Atypical) Antipsychotics  
-aripiprazole  
-asenapine  
-brexpiprazole  
-cariprazine  
-clozapine  
-iloperidone  
-lurasidone  
-olanzapine  
-paliperidone  
-quetiapine  
-risperidone  
-ziprasidone  
Psychotherapeutic Combinations  
-amitriptyline-perphenazine  
-fluoxetine-olanzapine  
Long-Acting (Depot) Injectable Antipsychotics  
-fluphenazine decanoate  
-haloperidol decanoate  
-aripiprazole  
-olanzapine pamoate  
-paliperidone palmitate (1-month extended-release injection) |
<table>
<thead>
<tr>
<th>0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification</th>
<th>1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia</th>
<th>2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</th>
<th>3205 Medication Continuation Following Inpatient Psychiatric Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>- paliperidone palmitate (3-month extended-release injection)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- risperidone microspheres</td>
</tr>
<tr>
<td></td>
<td>MEDICATIONS FOR TREATMENT OF BIPOLAR DISORDER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Anticonvulsants</td>
<td></td>
<td>Antipsychotic</td>
</tr>
<tr>
<td></td>
<td>- carbamazepine</td>
<td></td>
<td>- haloperidol</td>
</tr>
<tr>
<td></td>
<td>- divalproex sodium</td>
<td></td>
<td>- haloperidol lactate</td>
</tr>
<tr>
<td></td>
<td>- lamotrigine</td>
<td></td>
<td>- loxapine succinate</td>
</tr>
<tr>
<td></td>
<td>- valproic acid</td>
<td></td>
<td>- molindone</td>
</tr>
<tr>
<td></td>
<td>First-generation Antipsychotics</td>
<td></td>
<td>- perphenazine</td>
</tr>
<tr>
<td></td>
<td>- chlorpromazine</td>
<td></td>
<td>- pimozide</td>
</tr>
<tr>
<td></td>
<td>- fluphenazine</td>
<td></td>
<td>- prochlorperazine</td>
</tr>
<tr>
<td></td>
<td>- haloperidol</td>
<td></td>
<td>- thioridazine</td>
</tr>
<tr>
<td></td>
<td>- haloperidol lactate</td>
<td></td>
<td>- thiothixene</td>
</tr>
<tr>
<td></td>
<td>- loxapine succinate</td>
<td></td>
<td>- trifluoperazine</td>
</tr>
<tr>
<td></td>
<td>- molindone</td>
<td></td>
<td>Second generation (Atypical) Antipsychotics</td>
</tr>
<tr>
<td></td>
<td>- perphenazine</td>
<td></td>
<td>- aripiprazole</td>
</tr>
<tr>
<td></td>
<td>- pimozide</td>
<td></td>
<td>- asenapine</td>
</tr>
<tr>
<td></td>
<td>- prochlorperazine</td>
<td></td>
<td>- brexipiprazole</td>
</tr>
<tr>
<td></td>
<td>- thioridazine</td>
<td></td>
<td>- cariprazine</td>
</tr>
<tr>
<td></td>
<td>- thiothixene</td>
<td></td>
<td>- clozapine</td>
</tr>
<tr>
<td></td>
<td>- trifluoperazine</td>
<td></td>
<td>- iloperidone</td>
</tr>
<tr>
<td></td>
<td>Second generation (Atypical) Antipsychotics</td>
<td></td>
<td>- lurasidone</td>
</tr>
<tr>
<td></td>
<td>- aripiprazole</td>
<td></td>
<td>- olanzapine</td>
</tr>
<tr>
<td></td>
<td>- asenapine</td>
<td></td>
<td>- paliperidone</td>
</tr>
<tr>
<td></td>
<td>- brexipiprazole</td>
<td></td>
<td>- quetiapine</td>
</tr>
<tr>
<td></td>
<td>- cariprazine</td>
<td></td>
<td>- risperidone</td>
</tr>
<tr>
<td></td>
<td>- clozapine</td>
<td></td>
<td>- ziprasidone</td>
</tr>
<tr>
<td></td>
<td>- iloperidone</td>
<td></td>
<td>Lithium Salts</td>
</tr>
<tr>
<td></td>
<td>- lurasidone</td>
<td></td>
<td>- lithium</td>
</tr>
<tr>
<td></td>
<td>- olanzapine</td>
<td></td>
<td>- lithium carbonate</td>
</tr>
<tr>
<td></td>
<td>- paliperidone</td>
<td></td>
<td>- lithium citrate</td>
</tr>
<tr>
<td></td>
<td>- quetiapine</td>
<td></td>
<td>Psychotherapeutic Combinations</td>
</tr>
<tr>
<td></td>
<td>- risperidone</td>
<td></td>
<td>- fluoxetine-olanzapine</td>
</tr>
<tr>
<td></td>
<td>- ziprasidone</td>
<td></td>
<td>Long-acting (depot) Injectable Antipsychotics</td>
</tr>
<tr>
<td></td>
<td>Lithium Salts</td>
<td></td>
<td>- fluphenazine decanoate</td>
</tr>
<tr>
<td></td>
<td>- lithium</td>
<td></td>
<td>- haloperidol decanoate</td>
</tr>
<tr>
<td></td>
<td>- lithium carbonate</td>
<td></td>
<td>- lithium citrate</td>
</tr>
<tr>
<td></td>
<td>- lithium citrate</td>
<td></td>
<td>Psychotherapeutic Combinations</td>
</tr>
<tr>
<td></td>
<td>- fluoxetine-olanzapine</td>
<td></td>
<td>- fluphenazine decanoate</td>
</tr>
<tr>
<td></td>
<td>Long-acting (depot) Injectable Antipsychotics</td>
<td></td>
<td>- haloperidol decanoate</td>
</tr>
</tbody>
</table>
### Denominator Statement

<table>
<thead>
<tr>
<th>Psychiatric inpatient discharges</th>
<th>Individuals at least 18 years of age as of the beginning of the measurement period with a principal diagnosis of MDD, schizophrenia, or bipolar disorder.</th>
</tr>
</thead>
</table>

### Denominator Details

| Included populations: | Patients with ICD-10-CM Principal or Other Diagnosis Codes for Mental Disorders as defined in Appendix A, Table 10.01 (See Table 10.01).
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Admission Date - The month, day and year of admission to the hospital or hospitalization.</td>
<td></td>
</tr>
<tr>
<td>2. Discharge Date - The month, day and year of discharge from the hospital or hospitalization.</td>
<td></td>
</tr>
<tr>
<td>3. Continuously enrolled in Medicare Part A and Part B during the measurement period; and,</td>
<td></td>
</tr>
<tr>
<td>4. Alive at discharge and alive during the follow-up period.</td>
<td></td>
</tr>
</tbody>
</table>

### Target Population

- Continuous enrollees in Medicare Parts A and B during the measurement year.
- With a principal diagnosis of MDD, schizophrenia, or bipolar disorder.
- Discharged from an inpatient psychiatric facility with a principal diagnosis of MDD, schizophrenia, or bipolar disorder.

### Exclusion Criteria

- Children and adolescents age 1-17 as of December 31 of the measurement year.
- Pregnant women.

### Antipsychotic Medications

<table>
<thead>
<tr>
<th>Antipsychotic Combinations Medications List</th>
<th>Long-acting injections: Aripiprazole; Paliperidone; Ziprasidone; Paliperidone palmitate; Risperidone Antipsychotic Combinations Medications List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
</tr>
</tbody>
</table>

### Target Population

- Continuous enrollees in Medicare Parts A and B during the measurement year.
- With a principal diagnosis of MDD, schizophrenia, or bipolar disorder.
- Discharged from an inpatient psychiatric facility with a principal diagnosis of MDD, schizophrenia, or bipolar disorder.

### Exclusion Criteria

- Children and adolescents age 1-17 as of December 31 of the measurement year.
- Pregnant women.

### Antipsychotic Medications

<table>
<thead>
<tr>
<th>Antipsychotic Combinations Medications List</th>
<th>Long-acting injections: Aripiprazole; Paliperidone; Ziprasidone; Paliperidone palmitate; Risperidone Antipsychotic Combinations Medications List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
</tr>
</tbody>
</table>

### Target Population

- Continuous enrollees in Medicare Parts A and B during the measurement year.
- With a principal diagnosis of MDD, schizophrenia, or bipolar disorder.
- Discharged from an inpatient psychiatric facility with a principal diagnosis of MDD, schizophrenia, or bipolar disorder.

### Exclusion Criteria

- Children and adolescents age 1-17 as of December 31 of the measurement year.
- Pregnant women.

### Antipsychotic Medications

<table>
<thead>
<tr>
<th>Antipsychotic Combinations Medications List</th>
<th>Long-acting injections: Aripiprazole; Paliperidone; Ziprasidone; Paliperidone palmitate; Risperidone Antipsychotic Combinations Medications List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
<td>Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Risperidone; Olanzapine; Paliperidone palmitate; Paliperidone pamoate</td>
</tr>
<tr>
<td>0560 HBIPS-5</td>
<td>Patients discharged on multiple antipsychotic medications with appropriate justification</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>documented in the medical record. Allowable values: 0-99, UTD (Unable to determine)</td>
<td>8. Patient Status at Discharge - Documentation in the medical record of the patient's status at the time the patient left the hospital-based inpatient psychiatric care setting. Allowable values: 1 The medical record contains documentation that the patient was discharged from the inpatient psychiatric care setting under these circumstances: • Patient is leaving the psychiatric unit within the acute care hospital AND the hospital facility completely. • Patient is leaving the freestanding inpatient psychiatric facility completely. 2 The medical record contains documentation of one of the following: • The patient eloped and was discharged • The patient failed to return from leave and was discharged • The patient has not yet been discharged from the hospital • The patient was transferred/discharged from the inpatient psychiatric unit in an acute care setting to another level of care, (i.e. medical unit), and subsequently discharged from that level of care 3 Unable to determine from medical record documentation.</td>
</tr>
</tbody>
</table>
**0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification**

UB-92 revenue: 0100, 0101, 0110-0114, 0119-0124, 0129-0134, 0139-0144, 0149-0154, 0159, 0160, 0164, 0167, 0169, 0200-0204, 0206-0209, 0210-0214, 0219, 0720-0724, 0729, 0987
OR
CPT: 90791, 90792, 90832-90834, 90836-90840, 90845, 90847, 90849, 90851, 90863, 90867-90870, 90875, 90876, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99291
WITH
POS: 21, 51

**IDENTIFICATION OF PRESCRIPTION DRUG CLAIMS FOR ANTIPSYCHOTIC MEDICATION:**

Individuals with at least two prescription drug claims for any of the following oral antipsychotic medications (Table 3: Oral Antipsychotic Medications) or long-acting injectable antipsychotic medications (see Table 4: Long-acting injectable antipsychotic medications). The National Drug Center (NDC) identifier for medications included in the measure denominator are listed in tab NQF_1879_Antipsychotics of the attached excel workbook. Obsolete drug products are excluded from National Drug Codes (NDCs) with an inactive date more than six years prior to the beginning of the measurement period or look-back period.

**TABLE 3: ORAL ANTIPSYCHOTIC MEDICATIONS**

The following are oral formulations only:

Typical Antipsychotic Medications:
- chlorpromazine
- fluphenazine
- haloperidol
- loxapine
- molindone
- perphenazine
- prochlorperazine
- thioridazine
- thiothixene
- trifluoperazine

Atypical Antipsychotic Medications:
- aripiprazole
- asenapine
- brexpiprazole
- cariprazine
- clozapine
- iloperidone
<table>
<thead>
<tr>
<th>Exclusions</th>
<th>Individuals with any diagnosis of dementia during the measurement period.</th>
<th>Patients in hospice. Exclude children and adolescents with a diagnosis of a condition for which antipsychotic medications have a U.S. Food and Drug Administration indication and are thus clinically appropriate: schizophrenia, bipolar disorder, psychotic disorder, autism, tic disorders.</th>
<th>The denominator for this measure excludes discharged patients who: 1. Received ECT during the inpatient stay or follow-up period. 2. Received TMS during the inpatient stay or follow-up period. 3. Were pregnant during the inpatient stay. 4. Had a secondary diagnosis of delirium. 5. Had a principal diagnosis of schizophrenia with a secondary diagnosis of dementia.</th>
</tr>
</thead>
</table>
| - Patients who expired  
- Patients with an unplanned departure resulting in discharge due to elopement  
- Patients with an unplanned departure resulting in discharge due to failing to return from leave  
- Patients with a length of stay less than or equal to 3 days | | | |

### TABLE 4: LONG-ACTING INJECTABLE ANTIPSYCHOTIC MEDICATIONS

The following are the long-acting (depot) injectable antipsychotic medications by class for the denominator. The route of administration includes all injectable and intramuscular formulations of the medications listed below.

#### Typical Antipsychotic Medications:

- Fluphenazine decanoate (J2680)
- Haloperidol decanoate (J1631)

#### Atypical Antipsychotic Medications:

- Aripiprazole (J0401)
- Aripiprazole lauroxil (Aristada)
- Olanzapine pamoate (J2358)
- Paliperidone palmitate (J2426)
- Risperidone microspheres (J2794)

Note: Since the days' supply variable is not reliable for long-acting injections in administrative data, the days' supply is imputed as listed below for the long-acting (depot) injectable antipsychotic medications billed under Medicare Part D and Part B:

- Fluphenazine decanoate (J2680) – 28 days' supply
- Haloperidol decanoate (J1631) – 28 days' supply
- Aripiprazole (J0401) – 28 days' supply
- Aripiprazole lauroxil (Aristada) - 28 days' supply
- Olanzapine pamoate (J2358) – 28 days' supply
- Paliperidone palmitate (J2426) – 28 days' supply
- Risperidone microspheres (J2794) – 14 days' supply
Exclusion Details

- Patients who expired are identified by the data element Patient Status at Discharge.
- Patients with an unplanned departure resulting in discharge due to elopement, failing to return from leave are identified by the data element Patient Status at Discharge.
- Length of stay (LOS) in days is equal to the Discharge Date minus the Admission Date. If the LOS is equal to or less than 3 days the patient is excluded.

Table 5: Codes Used to Identify Dementia

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>290.0, 290.10, 290.11, 290.12, 290.13, 290.20, 290.21, 290.3, 290.40, 290.41, 290.42, 290.43, 290.8, 290.9, 291.2, 291.3, 291.4, 294.10, 294.11, 294.20, 294.21, 330.1, 331.0, 331.19, 331.82</td>
<td></td>
</tr>
<tr>
<td>E75.00, E75.01, E75.02, E75.09, E75.10, E75.11, E75.19, E75.4, F01.50, F01.51, F02.80, F02.81, F03.90, F03.91, F05, F10.27, F11.122, F13.27, F13.97, F18.17, F18.27, F18.97, F19.17, F19.27, F19.97, G30.0, G30.1, G30.8, G30.9, G31.09, G31.83</td>
<td></td>
</tr>
</tbody>
</table>

Individuals with any diagnosis of dementia are identified with the diagnosis codes listed below tab NQF_1879_Dementia

Exclude children and adolescents for whom first-line antipsychotic medications may be clinically appropriate. Any of the following during the measurement year (January 1 – December 31) meet criteria:

1. ECT During Inpatient Stay or Follow-Up Period
   Rationale: Some patients who receive ECT during the inpatient stay or follow-up period may have failed pharmacotherapy and would not fill an evidence-based prescription post-discharge.
   Source: Identified from Part A and Part B claims data if treatment occurred on a date between the admission date and 30 days post-discharge.

2. TMS During Inpatient Stay or Follow-Up Period
   Rationale: Some patients who receive TMS during the inpatient stay or follow-up period may have failed pharmacotherapy and would not fill an evidence-based prescription post-discharge.
   Source: Identified from Part A and Part B claims data if treatment occurred on a date between the admission date and 30 days post-discharge.

3. Pregnant During Inpatient Stay
   Rationale: Some of the evidence-based medications for the treatment of MDD, schizophrenia, and bipolar disorder are contraindicated during pregnancy.
   Source: Identified from Part A claims data from the index admission.

4. Secondary Diagnosis of Delirium
   Rationale: Some of the evidence-based medications for the treatment of MDD, schizophrenia, and bipolar disorder are contraindicated for patients with delirium.
   Source: Identified from Part A claims data from the index admission.

5. Principal Diagnosis of Schizophrenia with Secondary Diagnosis of Dementia
   Rationale: APA Practice guidelines suggest caution in the use of antipsychotics in dementia patients so not all dementia patients would fill an evidence-based medication (antipsychotic) following discharge for schizophrenia.
   Source: Identified from Part A claims data from the index admission.
<table>
<thead>
<tr>
<th>0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification</th>
<th>1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia</th>
<th>2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</th>
<th>3205 Medication Continuation Following Inpatient Psychiatric Discharge</th>
</tr>
</thead>
</table>
| Set.  
- At least two children and adolescents who have at least two visits in an outpatient, intensive outpatient or partial hospitalization setting, on different dates of service, with a diagnosis of schizophrenia, bipolar disorder or other psychotic disorder during the measurement year. Any of the following code combinations with or without a telehealth modifier (Telehealth Modifier Value Set), meet criteria:  
- BH Stand Alone Outpatient/PH/IOP Value Set with Schizophrenia Value Set.  
- BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Schizophrenia Value Set.  
- BH Stand Alone Outpatient/PH/IOP Value Set with Bipolar Disorder Value Set.  
- BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Bipolar Disorder Value Set.  
- BH Stand Alone Outpatient/PH/IOP Value Set with Other Psychotic Disorders Value Set.  
- BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Other Psychotic Disorders Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Schizophrenia Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Bipolar Disorder Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set.  
- BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set.  | No risk adjustment or risk stratification | No risk adjustment or risk stratification | No risk adjustment or risk stratification |
| Risk Adjustment | No risk adjustment or risk stratification | No risk adjustment or risk stratification | No risk adjustment or risk stratification |
| Risk Stratification | The measure is stratified by the following age groups:  
- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years  
Depending on the operational use of the measure, measure results can be stratified by:  
- State  
- Physician Group*  
- Age — Divided into six categories: 18-24, 25-44, 45-64, 65-74, 75-84, and 85+ years  | Report three age stratifications and a total rate:  
1–5 years.  
6–11 years.  
12–17 years.  
Total (sum of the age stratifications).  | The measure is not stratified.  |
879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia

Algorithm

1. Run cases that are included in the Initial Patient Population for HBIPS-1,5 and pass the edits defined in the Transmission Data Processing Flow: Clinical through this measure.
2. Calculate Length of Stay. Length of Stay, in days, is equal to the Discharge Date minus the Admission Date.
3. Check Length of Stay
   a. If Length of Stay is less than or equal 3 days, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.
   b. If Length of Stay is greater than 3 days, continue processing and proceed to Discharge Status.
4. Check Discharge Disposition
   a. If Discharge Disposition is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.
   b. If Discharge Disposition equals 6, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

3205 Medication Continuation Following Inpatient Psychiatric Discharge

Step 1: Determine the eligible population, or the denominator, by identifying the number of children and adolescents in the specified age range who were dispensed an antipsychotic medication (Table APP-A) during the intake period (January 1 – December 1).
Step 2: Exclude those who did not have a negative medication history and who have a diagnosis for which antipsychotic medications are clinically appropriate (see S.10).
Step 3: Determine the numerator by identifying the number of children and adolescents in the eligible population who had documentation of psychosocial care in the 121-day period from 90 days prior through 30 days after the new prescription of an antipsychotic.
Step 4: Divide the numerator by the denominator to calculate the rate.

Denominator:
1. Pull all IPF discharges from the Part A data.
2. Include IPF discharges for patients who were at least 18 years of age at admission.
3. Identify interim claims having the same beneficiary, provider, admission dates or having an admission date within 1 day of the discharge date of the previous claim and having a discharge status code of “Still patient.” Collapse or combine the interim claims into one hospital stay using the admission date from the earliest claim and the discharge date from the latest claim. The data values from the latest claim are used for the newly combined hospital stay.
4. De-duplicate the IPF inpatient discharges dataset by Patient ID, Sex, Provider ID, Admission Date, and Discharge Date.
5. Remove the IPF inpatient discharges for patients who do not have Part A and Part B coverage at admission, during the entire stay, at discharge, and during the 30 days post-discharge.
6. Remove the IPF inpatient discharges that do not have a principal diagnosis of MDD, bipolar disorder, or schizophrenia using value sets containing ICD-10 codes for each of the disease conditions.
7. Remove the IPF inpatient discharges for patients who expired during the hospital stay or within 30 days of discharge.
8. Remove the IPF inpatient discharges for patients who do not have Part D coverage during the 30 days post-discharge.
9. Remove the IPF inpatient discharges for patients who were not discharged to home or home health.
10. Exclude IPF inpatient discharges with a secondary diagnosis of pregnancy or delirium.
11. Exclude IPF inpatient discharges having schizophrenia as the principal diagnosis with a secondary diagnosis of dementia.
12. Exclude IPF inpatient discharges with ECT or TMS during the hospital stay or within 30 days post-discharge.
Numerator:
1. Pull all Part D claims for the evidence-based medications used for the treatment of MDD, schizophrenia, and bipolar disorder.

Part D claims for any antipsychotic medication during the acute inpatient setting during the measurement period.
OR
non-acute inpatient setting during the measurement period.
in an outpatient setting, emergency department setting, or• Dual Eligibility
• Race/Ethnicity
   *See Calculation Algorithm/Measure Logic 5.14 below for physician group attribution methodology used for this measure.

Type Score

Rate/proportion better quality = higher score

Rate/proportion better quality = higher score

Rate/proportion better quality = higher score

Rate/proportion better quality = higher score

\[
\begin{array}{|c|c|c|}
\hline
\text{Type Score} & \text{Rate/proportion better quality = higher score} & \text{Rate/proportion better quality = higher score} \\
\hline
1 & \text{Adult (18 through 64 years) - A Patient} & \text{Adolescent (13 through 17 years) — A Patient} \\
\hline
2 & \text{Older Adult (65 years or greater) - A Patient} & \text{Adult (18 through 64 years) - A Patient} \\
\hline
3 & \text{Birthdate) greater than or = 65 years} & \text{Birthdate) greater than or = 13 years and less} \\
\hline
4 & \text{Birthdate) greater than or = 18 years and less} & \text{Birthdate) greater than or = 18 years and less} \\
\hline
5 & \text{Birthdate) greater than or = 18 years and less} & \text{Birthdate) greater than or = 65 years} \\
\hline
\end{array}
\]
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Determine the individual’s medication therapy period, defined as the number of days from the index prescription date through the end of the measurement period, or death, whichever comes first. The index date is the service date (fill date) of the first prescription drug claim for an antipsychotic medication in the measurement period.</td>
<td></td>
</tr>
<tr>
<td>2. Within the medication therapy period, count the days the individual was covered by at least one drug in the antipsychotic medication class based on the prescription drug claim service date and days of supply.</td>
<td></td>
</tr>
<tr>
<td>3. Sort and de-duplicate Medicare Part D antipsychotic medication claims by beneficiary ID, service date, generic name, and descending days’ supply. If prescriptions for the same drug (generic name) are dispensed on the same date, choose the one with the largest days’ supply.</td>
<td></td>
</tr>
<tr>
<td>4. Calculate the number of days covered by antipsychotic drug therapy per individual.</td>
<td></td>
</tr>
<tr>
<td>i. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period.</td>
<td></td>
</tr>
<tr>
<td>ii. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.</td>
<td></td>
</tr>
<tr>
<td>iii. If claims for different drugs (different generic names) overlap, do not adjust the prescription start date.</td>
<td></td>
</tr>
<tr>
<td>5. Calculate the PDC for each individual according to the following methods:</td>
<td></td>
</tr>
<tr>
<td>a. If Psychiatric Care Setting equals No, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Psychiatric Care Setting is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>6. Check Patient Status at Discharge</td>
<td></td>
</tr>
<tr>
<td>a. If Patient Status at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Patient Status at Discharge equals 2, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>7. Check Number of Antipsychotic Medications Prescribed at Discharge</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>8. Check Number of Antipsychotic Medications Prescribed at Discharge</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>9. Calculate the PDC for each individual according to the following methods:</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>10. Check Patient Status at Discharge</td>
<td></td>
</tr>
<tr>
<td>a. If Patient Status at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Patient Status at Discharge equals 2, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>11. Determine the individual’s medication therapy period, defined as the number of days from the index prescription date through the end of the measurement period, or death, whichever comes first. The index date is the service date (fill date) of the first prescription drug claim for an antipsychotic medication in the measurement period.</td>
<td></td>
</tr>
<tr>
<td>12. Within the medication therapy period, count the days the individual was covered by at least one drug in the antipsychotic medication class based on the prescription drug claim service date and days of supply.</td>
<td></td>
</tr>
<tr>
<td>a. Sort and de-duplicate Medicare Part D antipsychotic medication claims by beneficiary ID, service date, generic name, and descending days’ supply. If prescriptions for the same drug (generic name) are dispensed on the same date of service for an individual, keep the dispensing with the largest days’ supply.</td>
<td></td>
</tr>
<tr>
<td>b. Calculate the number of days covered by antipsychotic drug therapy per individual.</td>
<td></td>
</tr>
<tr>
<td>i. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period.</td>
<td></td>
</tr>
<tr>
<td>ii. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.</td>
<td></td>
</tr>
<tr>
<td>iii. If claims for different drugs (different generic names) overlap, do not adjust the prescription start date.</td>
<td></td>
</tr>
<tr>
<td>13. Calculate the PDC for each individual according to the following methods:</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>14. Check Patient Status at Discharge</td>
<td></td>
</tr>
<tr>
<td>a. If Patient Status at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Patient Status at Discharge equals 2, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>15. Determine the individual’s medication therapy period, defined as the number of days from the index prescription date through the end of the measurement period, or death, whichever comes first. The index date is the service date (fill date) of the first prescription drug claim for an antipsychotic medication in the measurement period.</td>
<td></td>
</tr>
<tr>
<td>16. Within the medication therapy period, count the days the individual was covered by at least one drug in the antipsychotic medication class based on the prescription drug claim service date and days of supply.</td>
<td></td>
</tr>
<tr>
<td>a. Sort and de-duplicate Medicare Part D antipsychotic medication claims by beneficiary ID, service date, generic name, and descending days’ supply. If prescriptions for the same drug (generic name) are dispensed on the same date of service for an individual, keep the dispensing with the largest days’ supply.</td>
<td></td>
</tr>
<tr>
<td>b. Calculate the number of days covered by antipsychotic drug therapy per individual.</td>
<td></td>
</tr>
<tr>
<td>i. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period.</td>
<td></td>
</tr>
<tr>
<td>ii. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.</td>
<td></td>
</tr>
<tr>
<td>iii. If claims for different drugs (different generic names) overlap, do not adjust the prescription start date.</td>
<td></td>
</tr>
<tr>
<td>17. Calculate the PDC for each individual according to the following methods:</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>18. Determine the individual’s medication therapy period, defined as the number of days from the index prescription date through the end of the measurement period, or death, whichever comes first. The index date is the service date (fill date) of the first prescription drug claim for an antipsychotic medication in the measurement period.</td>
<td></td>
</tr>
<tr>
<td>19. Within the medication therapy period, count the days the individual was covered by at least one drug in the antipsychotic medication class based on the prescription drug claim service date and days of supply.</td>
<td></td>
</tr>
<tr>
<td>a. Sort and de-duplicate Medicare Part D antipsychotic medication claims by beneficiary ID, service date, generic name, and descending days’ supply. If prescriptions for the same drug (generic name) are dispensed on the same date of service for an individual, keep the dispensing with the largest days’ supply.</td>
<td></td>
</tr>
<tr>
<td>b. Calculate the number of days covered by antipsychotic drug therapy per individual.</td>
<td></td>
</tr>
<tr>
<td>i. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period.</td>
<td></td>
</tr>
<tr>
<td>ii. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.</td>
<td></td>
</tr>
<tr>
<td>iii. If claims for different drugs (different generic names) overlap, do not adjust the prescription start date.</td>
<td></td>
</tr>
<tr>
<td>20. Calculate the PDC for each individual according to the following methods:</td>
<td></td>
</tr>
<tr>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td></td>
</tr>
<tr>
<td>c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.</td>
<td></td>
</tr>
<tr>
<td>Measure Category Assignment for each strata measure</td>
<td>Check Number of Antipsychotic Medications Prescribed at Discharge</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>c. If Number of Antipsychotic Medications Prescribed at Discharge is greater than or equal 2 or equal UTD, the case will continue processing and proceed to Number of Antipsychotic Medications Prescribed at Discharge.</td>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge equals UTD, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-5a) and will be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
</tr>
<tr>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is greater than or equal 2, the case will proceed to Appropriate Justification for Multiple Antipsychotic Medications.</td>
<td>b. If Number of Antipsychotic Medications Prescribed at Discharge is greater than or equal 2, the case will proceed to Appropriate Justification for Multiple Antipsychotic Medications.</td>
</tr>
<tr>
<td>9. Check Appropriate Justification for Multiple Antipsychotic Medications</td>
<td>9. Check Appropriate Justification for Multiple Antipsychotic Medications</td>
</tr>
<tr>
<td>a. If Appropriate Justification for Multiple Antipsychotic Medications is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
<td>a. If Number of Antipsychotic Medications Prescribed at Discharge equals UTD, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-5a) and will be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.</td>
</tr>
</tbody>
</table>
10. Initialize the Measure Category Assignment for each strata measure (b-e) = 'B'. Do not change the Measure Category Assignment that was already calculated for the overall rate (HBIPS-5a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-5a) Measure Category Assignment.

11. Check Overall Rate Category Assignment
   a. If Overall Rate Category Assignment equals B, Set the Measure Category Assignment for the strata measures (HBIPS-5b through HBIPS-5e) = 'B'. Stop processing.
   b. If Overall Rate Category Assignment equals D or E or X, continue processing and proceed to Patient Age at Discharge.

12. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-5b = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   b. If is greater than or equal 13 years, continue processing and proceed to Patient Age at Discharge.

13. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-5c = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-5d = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   c. If Patient Age at Discharge is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-5e = Measure Category Assignment for measure HBIPS-5a. Stop processing.

6. Identify TINs that are not solo practices.
   a. Pull Part B records billed by physicians identified in Step 4 for the measurement year and/or prior year.
   b. Count unique NPIs per TIN.
   c. Keep only those TINs having two or more providers.
   d. Delete invalid TINs. Examples of invalid TINs are defined as having the same value for all nine digits or values 012345678, 012345678, 123456789, 987654321, or 87654321.

7. Create final group of TINs from Step 5 and Step 6 (TINs that are medical groups and are not solo practices).

8. Create file of TINs and NPIs associated with those TINs. These are now referred to as the medical group TINs.

9. Determine the specialty of the medical group (TIN) to be used in determining the specialty of nurse practitioners and physician assistants. The plurality of physician providers in the medical group determines the specialty of care for nurse practitioners and physician assistants.
   a. From the TIN/NPI list created in Step 8, count the NPIs per TIN/specialty.
   b. The specialty with the maximum count is assigned to the medical group.

10. Identify Individual Sample and Claims
    a. Pull individuals with 11+ months of Medicare Parts A, B, and D during the measurement year.
    b. Verify the individual did not have any months with Medicare as secondary payer. Remove individuals with BENE_PRMRY_PYR_CD not equal to one of the following:
       • A = working-age individual/spouse with an employer group health plan (EGHP)
       • B = End Stage Renal Disease (ESRD) in the 18-month coordination period with an EGHP
       • G = working disabled for any month of the year
    c. Verify the individual resides in the U.S., Puerto Rico, Virgin Islands, or Washington D.C.
    d. Exclude individuals who enter the Medicare hospice at any point during the measurement year.
    e. Exclude individuals who died during the measurement year.

11. For individuals identified in Step 10, pull office visit claims that occurred during the measurement year and in the six months prior to the measurement year.
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>79</td>
<td>Patients discharged on multiple antipsychotic medications with appropriate justification</td>
<td>a. Office visit claims have CPT codes of 99201-99205, 99211-99215, and 99241-99245. b. Exclude claims with no npi_prfrmg.</td>
</tr>
<tr>
<td>1879</td>
<td>Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
<td>12. Attach medical group TIN to claims by NPI.</td>
</tr>
<tr>
<td>2801</td>
<td>Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</td>
<td>III. Patient Attribution 13. Pull all Medicare Part B office claims from Step 12 with specialties indicating primary care or psychiatry (see list of provider specialties and specialty codes below). Attribute each individual to at most one medical group TIN for each measure. a. Evaluate specialty on claim (HTE_B_HCFA_PRVDR_SPCLY_CD) first. If specialty on claim does not match any of the measure-specific specialties, then check additional specialty fields. b. If the provider specialty indicates nurse practitioners or physician assistants (code 50 or code 97), then assign the medical group specialty determined in Step 9.</td>
</tr>
<tr>
<td>3205</td>
<td>Medication Continuation Following Inpatient Psychiatric Discharge</td>
<td>14. For each individual, count claims per medical group TIN. Keep only individuals with two or more E&amp;M claims. 15. Attribute individual to the medical group TIN with the most claims. If a tie occurs between medical group TINs, attribute the TIN with the most recent claim. 16. Attach the medical group TIN to the denominator and numerator files by individual.</td>
</tr>
</tbody>
</table>

Provider Specialties and Specialty Codes

Provider specialties and specialty codes include only physicians, physician assistants, and nurse practitioners for physician grouping, TIN selection, and patient attribution. The provider specialty codes and the associated provider specialties are shown below:

<table>
<thead>
<tr>
<th>Specialty Code</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>General practice*</td>
</tr>
<tr>
<td>02</td>
<td>General surgery</td>
</tr>
<tr>
<td>03</td>
<td>Allergy/immunology</td>
</tr>
<tr>
<td>04</td>
<td>Otolaryngology</td>
</tr>
<tr>
<td>05</td>
<td>Anesthesiology</td>
</tr>
<tr>
<td>06</td>
<td>Cardiology</td>
</tr>
<tr>
<td>07</td>
<td>Dermatology</td>
</tr>
<tr>
<td>08</td>
<td>Family practice*</td>
</tr>
<tr>
<td>09</td>
<td>Interventional pain management</td>
</tr>
<tr>
<td>10</td>
<td>Gastroenterology</td>
</tr>
<tr>
<td>11</td>
<td>Internal medicine*</td>
</tr>
<tr>
<td>12</td>
<td>Osteopathic manipulative therapy</td>
</tr>
<tr>
<td>13</td>
<td>Neurology</td>
</tr>
<tr>
<td>14</td>
<td>Neurosurgery</td>
</tr>
<tr>
<td>16</td>
<td>Obstetrics/gynecology*</td>
</tr>
<tr>
<td>Measure Code</td>
<td>Measure Description</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>0560 HBIPS-5</td>
<td>Patients discharged on multiple antipsychotic medications with appropriate justification</td>
</tr>
<tr>
<td>1879</td>
<td>Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
</tr>
<tr>
<td>2801</td>
<td>Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</td>
</tr>
<tr>
<td>3205</td>
<td>Medication Continuation Following Inpatient Psychiatric Discharge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>18—Ophthalmology</td>
</tr>
<tr>
<td>20—Orthopedic surgery</td>
</tr>
<tr>
<td>22—Pathology</td>
</tr>
<tr>
<td>24—Plastic and reconstructive surgery</td>
</tr>
<tr>
<td>25—Physical medicine and rehabilitation</td>
</tr>
<tr>
<td>26—Psychiatry*</td>
</tr>
<tr>
<td>28—Colorectal surgery</td>
</tr>
<tr>
<td>29—Pulmonary disease</td>
</tr>
<tr>
<td>30—Diagnostic radiology</td>
</tr>
<tr>
<td>33—Thoracic surgery</td>
</tr>
<tr>
<td>34—Urology</td>
</tr>
<tr>
<td>37—Nuclear medicine</td>
</tr>
<tr>
<td>38—Geriatric medicine*</td>
</tr>
<tr>
<td>39—Nephrology</td>
</tr>
<tr>
<td>39—Pediatric medicine</td>
</tr>
<tr>
<td>40—Hand surgery</td>
</tr>
<tr>
<td>44—Infectious disease</td>
</tr>
<tr>
<td>46—Endocrinology</td>
</tr>
<tr>
<td>50—Nurse practitioner*</td>
</tr>
<tr>
<td>66—Rheumatology</td>
</tr>
<tr>
<td>70—Multi-specialty clinic or group practice*</td>
</tr>
<tr>
<td>72—Pain management</td>
</tr>
<tr>
<td>76—Peripheral vascular disease</td>
</tr>
<tr>
<td>77—Vascular surgery</td>
</tr>
<tr>
<td>78—Cardiac surgery</td>
</tr>
<tr>
<td>79—Addiction medicine</td>
</tr>
<tr>
<td>81—Critical care (intensivists)</td>
</tr>
<tr>
<td>82—Hematology</td>
</tr>
<tr>
<td>83—Hematology/oncology</td>
</tr>
<tr>
<td>84—Preventive medicine*</td>
</tr>
<tr>
<td>85—Maxillofacial surgery</td>
</tr>
<tr>
<td>86—Neuropsychiatry*</td>
</tr>
<tr>
<td>90—Medical oncology</td>
</tr>
<tr>
<td>91—Surgical oncology</td>
</tr>
<tr>
<td>92—Radiation oncology</td>
</tr>
<tr>
<td>93—Emergency medicine</td>
</tr>
<tr>
<td>94—Interventional radiology</td>
</tr>
<tr>
<td>97—Physician assistant*</td>
</tr>
<tr>
<td>98—Gynecologist/oncologist</td>
</tr>
<tr>
<td>99—Unknown physician specialty</td>
</tr>
<tr>
<td>Other—NA</td>
</tr>
</tbody>
</table>

*Provider specialty codes specific to this measure: 119011 | 120823 | 140881 | 123834 | 141015 | 141592 | 142428
<table>
<thead>
<tr>
<th>Submission items</th>
<th>0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification</th>
<th>1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia</th>
<th>2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</th>
<th>3205 Medication Continuation Following Inpatient Psychiatric Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Identified measures:</td>
<td>5a.1 Are specs completely harmonized? Yes</td>
<td>5.1 Identified measures:</td>
<td>5.1 Identified measures:</td>
<td>5.1 Identified measures:</td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td>The methodology used to calculate adherence in these measures is proportion of days covered (PDC) which is calculated the same in both measures. The methodology used to identify the denominator population is also calculated the same in both measures with the exception of the clinical conditions which is the target of the measure. The medications included in both measures are specific to the clinical condition targeted in the measure.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td>Not applicable because there are no competing measures.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0560 HBIPS-5</td>
<td>Patients discharged on multiple antipsychotic medications with appropriate justification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1879</td>
<td>Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2801</td>
<td>Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3205</td>
<td>Medication Continuation Following Inpatient Psychiatric Discharge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Endorsed after the measure’s time-limited endorsement (TLE) status expired. Measure 1879 is superior to the existing Measure 0544 because it represents a more valid and efficient approach to measuring medication adherence to antipsychotic medications. In addition, as discussed above in Section 5a.2, Measure 1879 is harmonized with several other adherence measures in the NQF portfolio. Key differences in measure validity and efficiency are addressed in the sections below.

**Validity**

The Proportion of Days Covered (PDC), which is the method used to calculate adherence in Measure 1879, has several advantages over the Medication Possession Ratio (MPR), which is used in Measure 0544. First, the PDC was found to be more conservative compared to the Medication Possession Ratio (MPR) and was preferred in clinical scenarios in which there is the potential for more than one drug to be used within a drug class concomitantly (e.g., antipsychotics). This clinical situation applies directly to Measure 1879. Martin et al. (2009) demonstrated this in a study published in the Annals of Pharmacotherapy by comparing the methodology for drugs that are commonly switched, where the MPR was 0.690, truncated MPR was 0.624, and PDC was 0.562 and found significant differences between the values for adherence (p < 0.001). Martin et al (2009) also compared drugs with therapeutic duplication where the PDC was 0.669, truncated MPR was 0.774, and MPR was 1.238, and again obtained significant differences (p < 0.001). These findings were partially replicated by testing results from FMQAI (now HSAG) of Measure 1879 where MPR produced a higher measure rate (as compared to PDC) as shown below.

**Adherence to Antipsychotic Medications for Individuals with Schizophrenia**

<table>
<thead>
<tr>
<th>Method</th>
<th>Measure Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison of MPR and PDC</td>
<td></td>
</tr>
<tr>
<td>Method Measure Rate</td>
<td></td>
</tr>
<tr>
<td>MPR: 74.4%</td>
<td>PDC: 70.0%</td>
</tr>
</tbody>
</table>

Based on initial draft measure specifications and data from a 100% sample of Medicare fee-for-service beneficiaries with Part D coverage in Florida and Rhode Island, using 2008 Medicare Parts A, B, and D data. Additional differences between Measure 1879 and TLE 0544 related to validity include the following concerns:

**Denominator:** The measure denominator requires at least two antipsychotic medication prescriptions, whereas, the NQF TLE measure (NQF# 0544) does not require any...
<table>
<thead>
<tr>
<th>Measure Number</th>
<th>Measure Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>0560 HBIPS-5</td>
<td>Patients discharged on multiple antipsychotic medications with appropriate justification</td>
</tr>
<tr>
<td>1879</td>
<td>Adherence to Antipsychotic Medications for Individuals with Schizophrenia</td>
</tr>
<tr>
<td>2801</td>
<td>Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics</td>
</tr>
<tr>
<td>3205</td>
<td>Medication Continuation Following Inpatient Psychiatric Discharge</td>
</tr>
</tbody>
</table>

Antipsychotic medication prescriptions in the measure denominator. In 0544, an MPR of "0" is assigned to those without any antipsychotic medication prescriptions, which may falsely lower measure rates, specifically in scenarios where the prescriber has made the decision not to prescribe antipsychotic medications for an individual diagnosed with schizophrenia.

Exclusion related to a diagnosis of dementia: Measure 1879 excludes individuals with a diagnosis of dementia during the measurement year which is not considered in Measure 0544. Antipsychotic medications are currently labeled with a Food and Drug Administration (FDA) Black Box warning that states, "Elderly patients with dementia-related psychosis treated with antipsychotic drugs are at an increased risk of death. Analyses of seventeen placebo-controlled trials (modal duration of 10 weeks), largely in patients taking atypical antipsychotic drugs, revealed a risk of death in drug-treated patients of between 1.6 to 1.7 times the risk of death in placebo-treated patients." The Technical Expert Panel, which reviewed the measure, recommended excluding these individuals from the measure denominator, since continued adherence to antipsychotic medications in this subpopulation may increase mortality and not represent quality of care. (Please see Section 2b3.2 that provides descriptive results of testing related to exclusions.)

Efficiency

Measure 1879 requires only one year of administrative claims data, rather than two years of data which is required for TLE 0544. The Technical Expert Panel that reviewed Measure 1879 indicated that the burden of requiring two years of administrative claims data would not meaningfully modify measure rates and would potentially result in the unnecessary exclusion of individuals for which adherence should be assessed but for which only 1 year of claims data were available. Additional rationale for this TEP recommendation was related to an increased length of the continuous enrollment criteria to specify the measure use with two years of data. FMQA/Its (now HSAG) empirical analysis of a related adherence measure (NQF 0542 – Adherence to Chronic Medications) using 2007 and 2008 Medicare Part D data for beneficiaries in Florida and Rhode Island validated this concern and indicated that approximately 10% of the eligible population would be excluded from the measure if the enrollment criteria required two years of administrative claims data as opposed to one year.
### Comparison of NQF 0640 and 0687

<table>
<thead>
<tr>
<th>Steward</th>
<th>Description</th>
<th>Type</th>
<th>Data Source</th>
<th>Level</th>
<th>Setting</th>
<th>Numerator</th>
<th>Denominator</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Joint Commission</td>
<td>The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were maintained in physical restraint.</td>
<td>Process</td>
<td>Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed. No data collection instrument provided Attachment HBIPS_Code_Tables-636794265307503611.xlsx</td>
<td>Facility, Other</td>
<td>Inpatient/Hospital</td>
<td>The total number of hours that all psychiatric inpatients were maintained in physical restraint.</td>
<td>Number of psychiatric inpatient days</td>
</tr>
<tr>
<td>Centers for Medicare &amp; Medicaid Services</td>
<td>The measure reports the percentage of all long-stay residents who were physically restrained daily during the 7 days prior to the target MDS 3.0 assessment (OBRA, PPS or discharge) during their episode of nursing home care ending in the target quarter (3-month period). Long-stay residents are identified as residents who have had at least 101 cumulative days of nursing facility care.</td>
<td>Process</td>
<td>Electronic Health Record (Only) Nursing Home Minimum Data Set 3.0 Available in attached appendix A.1 No data dictionary</td>
<td>Facility</td>
<td>Nursing Home / SNF</td>
<td>The numerator is the number of long-stay residents with a selected target Minimum Data Set (MDS) assessment (assessments may be OBRA, PPS or discharge) who have experienced daily physical restraint usage during the 7 days prior to the selected assessment, as indicated by MDS 3.0, Section P, Item P0100, subitems B (P0100B – Trunk restraint used in bed), C (P0100C – Limb restraint used in bed), E (P0100E – Trunk restraint used in chair or out of bed), F (P0100F – Limb restraints used in chair or out of bed), or G (P0100G – Chair prevents rising).</td>
<td>Number of psychiatric inpatient days</td>
</tr>
</tbody>
</table>

#### Numerator Details

**0640 HBIPS-2 Hours of physical restraint use**

1. **Event Date**: The month, day, and year of the event.
2. **Event Type**: The measure-related event being identified. Allowable values: 1. Physical Restraint 2. Seclusion
3. **Minutes of Physical Restraint**: The total minutes recorded in the medical record that a patient was maintained in physical restraint.

**0687 Percent of Residents Who Were Physically Restrained (Long Stay)**

Resident's are counted if they are long-stay residents, defined as residents whose cumulative length of stay is 101 days or more. Residents who return to the nursing home following a hospital discharge may not have their stay count within the episode of care reset to zero. Residents are counted if any of the following items on the target assessment are coded as "2", meaning that the physical restraint was used daily during the 7 days prior to the assessment: P0100B - Trunk restraint used in bed, P0100C-Limb restraint used in bed, P0100E - Trunk restraint used in chair or out of bed, P0100F-Limb restraint used in chair or out of bed, or P0100G-Chair prevents rising. Target assessments may be an OBRA admission, quarterly, annual or significant change/correction assessments (A0310A = 01, 02, 03, 04, 05, 06) or PPS 5-, 14-, 30-, 60-, or 90-day assessments (A0310B = 01, 02, 03, 04, 05) or discharge assessment with or without return anticipated (A0310F = 10, 11).

#### Denominator Details

**0640 HBIPS-2 Hours of physical restraint use**

1. **Admission Date**: The month, day, and year of admission to acute inpatient care.
2. **Birthdate**: The month, day, and year the patient was born.
3. **Psychiatric Care Setting**: Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.

**0687 Percent of Residents Who Were Physically Restrained (Long Stay)**

Residents are counted if they are long-stay residents defined as residents whose length of stay is 101 days or more. Residents who return to the nursing home following a hospital discharge may not have their day count within the episode of care reset to zero. The population includes all long-stay residents with a target MDS 3.0 assessment (OBRA admission, quarterly, annual or significant change/correction assessments (A0310A = 01, 02, 03, 04, 05, 06) or PPS 5-, 14-, 30-, 60-, or 90-day assessments (A0310B = 01, 02, 03, 04, 05) or discharge assessment with or without return anticipated (A0310F = 10, 11).
<table>
<thead>
<tr>
<th>Exclusions</th>
<th>Total leave days</th>
</tr>
</thead>
</table>

**Exclusion Details**

- Patients who are on leave defined as an authorized or unauthorized absence of the patient from a psychiatric care setting, excluding discharges, during which the patient is absent from the psychiatric care setting at the time of the daily census and is not under the direct supervision of psychiatric care setting staff while absent.

The assessment is excluded if the resident is not in the numerator and there are missing values for any of the items in the numerator, i.e., P0100B = [-], Trunk restraint used in bed; P0100C = [-], Limb restraint used in bed; P0100E = [-], Trunk restraint used in chair or out of bed; P0100F = [-], Limb restraint used in chair or out of bed; or P0100G = [-], Chair prevents rising.

If the facility sample includes fewer than 30 residents, then the facility is excluded from public reporting.

**Risk Adjustment**

- No risk adjustment or risk stratification

**Stratification**

The measure is stratified by the following age groups:

- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

This is not applicable.

**Type Score**

- Ratio better quality = lower score
- Rate/proportion better quality = lower score

**Algorithm**

1. Run all cases that are included in the Initial Patient Population for HBIPS-2 and 3 and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure.
2. Check Event Type
   a. If Event Type equals 2, the case will proceed to a Measure Category Assignment of U for Overall Rate (HBIPS-2a) and will not be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Event Type equals 1, continue processing and proceed to Minutes of Physical Restraint.
3. Check Minutes of Physical Restraint
   a. If Minutes of Physical Restraint is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-2a) and will be rejected. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   b. If Minutes of Physical Restraint equals UTD, the case will proceed to a Measure Category Assignment of Y for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
   c. If Minutes of Physical Restraint equals a Not able to Determine Value, the case will proceed to a Measure Category Assignment of E for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.

Step 1: Identify the total number of long-stay residents who have a target assessment (OBRA, PPS, or discharge) during the quarter and who did not meet the exclusion criteria (i.e., they are not missing data on use of any type of physical restraint).
Step 2: Starting with the set of residents identified in Step 1, determine the number of long-stay residents who have a target MDS assessment (OBRA, PPS, or discharge) reporting daily incidence of physical restraint use during the 7 days prior to the target assessment.
Step 3: Divide the result of Step 2 by the result of Step 1.
### 0640 HBIPS-2 Hours of physical restraint use

<table>
<thead>
<tr>
<th>4. Check Overall Rate Category Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. If Overall Rate Category Assignment equals U, Set the Measure Category Assignment for the strata measures (HBIPS-2b through HBIPS-2e) = 'U'. Stop processing.</td>
</tr>
<tr>
<td>b. If Overall Rate Category Assignment equals E, X or Y, continue processing and proceed to Patient Age at Time of Event.</td>
</tr>
<tr>
<td>5. Initialize the Measure Category Assignment for each strata measure (b-e) = 'B'. Do not change the Measure Category Assignment or Total Overall Restraint Minutes that was already calculated for the overall rate (HBIPS-2a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate's (HBIPS-2a) Measure Category Assignment.</td>
</tr>
<tr>
<td>6. Check Patient Age at Time of Event</td>
</tr>
<tr>
<td>a. If Patient Age at Time of Event is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-2b = Measure Category Assignment for measure HBIPS-2a. Stop processing.</td>
</tr>
<tr>
<td>b. If Patient Age at Time of Event is greater than or equal 13 years, continue processing and proceed to Patient Age at Time of Event.</td>
</tr>
<tr>
<td>7. Check Patient Age at Time of Event</td>
</tr>
<tr>
<td>a. If Patient Age at Time of Event is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-2c = Measure Category Assignment for measure HBIPS-2a. Stop processing.</td>
</tr>
<tr>
<td>b. If Patient Age at Time of Event is greater than or equal 18 years, continue processing and proceed to Patient Age at Time of Event.</td>
</tr>
<tr>
<td>8. Check Patient Age at Time of Event</td>
</tr>
<tr>
<td>a. If Patient Age at Time of Event is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-2d = Measure Category Assignment for measure HBIPS-2a. Stop processing.</td>
</tr>
<tr>
<td>b. If Patient Age at Time of Event is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-2e = Measure Category Assignment for measure HBIPS-2a. Stop processing.</td>
</tr>
</tbody>
</table>

#### Submission items

| 5a.1 Are specs completely harmonized? No |
| 5a.2 If not completely harmonized, identify difference, rationale, impact: Measure 203 excludes patients under 18 years of age, only evaluates vest or limb restraint use and is based on a survey conducted at selected time intervals. Measure 0687 evaluates the percent of all patients in a long term care setting who had a vest or limb restraint applied during the reporting period. HBIPS-2 evaluates the total time all patients > 1 year of age in a psychiatric care setting were maintained in all forms of physical restraint for the reporting period. |

| 5b.1 If competing, why superior or rationale for additive value: Not Applicable |

---

### 0687 Percent of Residents Who Were Physically Restrained (Long Stay)

<table>
<thead>
<tr>
<th>5.1 Identified measures: 0687 : Percent of Residents Who Were Physically Restrained (Long Stay)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0203 : Restraint prevalence (vest and limb)</td>
</tr>
</tbody>
</table>

| 5a.1 Are specs completely harmonized? No |
| 5a.2 If not completely harmonized, identify difference, rationale, impact: NQF # 0203 Physical restraint (vest and limb only). While this measure has a similar focus, it is for use in acute care and uses a different definition of restraints. NQF # 0640 HBIPS-2 Hours of physical restraint use. This measure also has a similar focus but is for use in hospital-based inpatient psychiatric setting and is based on patient days. Detailed data on days of restraint use is not currently available on the MDS. The measure #0687 is specified to capture daily restraint use over the 7 days preceding the resident’s assessment. |

<p>| 5b.1 If competing, why superior or rationale for additive value: This is not applicable. There are no competing measures. |</p>
<table>
<thead>
<tr>
<th>Type</th>
<th>Process</th>
<th>Process</th>
<th>Process</th>
<th>Process</th>
<th>Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Source</td>
<td>Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed. No data collection instrument provided Attachment HBIPS_Code_Tables-636794265723952869.xlsx</td>
<td>Electronic Health Records Not Applicable No data collection instrument provided Attachment 0104_MDD_SuicideRisk_ValueSets_2017September29.xlsx</td>
<td>Electronic Health Records Not Applicable No data collection instrument provided Attachment 1365_CMS177_Child_Adolescent_MD D_Value_Sets_05042018.xlsx</td>
<td>Registry Data Not applicable. No data collection instrument provided No data dictionary</td>
<td>Claims, Electronic Health Records, Paper Medical Records The denominator for this measure is based on administrative claims. The numerator for this measure is based on administrative claims and/or medical record documentation collected in the course of providing care to health plan patients. No data collection instrument provided Attachment 2599_Alcohol_Screening_for_People_With_Mental_Illness_Value_Set-63658354265612951-63676917526026857.xlsx</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Facility, Other</th>
<th>Clinician : Group/Practice, Clinician : Individual</th>
<th>Clinician : Group/Practice, Clinician : Individual</th>
<th>Clinician : Group/Practice, Clinician : Individual</th>
<th>Health Plan, Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting</td>
<td>Inpatient/Hospital</td>
<td>Emergency Department and Services, Other, Outpatient Services Behavioral Health Day Treatment</td>
<td>Outpatient Services</td>
<td>Home Care, Outpatient Services</td>
<td>Outpatient Services, Emergency Department and Services, Inpatient/Hospital</td>
</tr>
</tbody>
</table>
Numerator Statement

Psychiatric inpatients with admission screening within the first three days of admission for all of the following: risk of violence to self or others; substance use; psychological trauma history; and patient strengths

Numerator Details

Five data elements are used to calculate the numerator:
1. Patient Strengths - Documentation in the medical record that an admission screening for a psychological trauma history was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.
2. Psychological Trauma History - Documentation in the medical record that an admission screening for a psychological trauma history was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.
3. Substance Use - Documentation in the medical record that an admission screening for substance use and alcohol use which occurred over the past twelve (12) months was performed within the first three days of admission. The screening must include: the type, amount, frequency of use and any problems due to past use. Allowable values: Yes, No/UTD, or X unable to complete admission screening.
4. Violence Risk to Others - Documentation in the medical record that an admission screening for violence risk to others over the past six months was performed within the first three days of admission. Violence Risk to Others includes: threats of violence and/or actual commission of violence toward others. Documentation should include

Time Period for Data Collection: At every visit where a new diagnosis or recurrent episode of Major Depressive Disorder is identified (initial evaluation during the episode)

Definition:
Suicide risk assessment - Must include questions about the following:
1) Suicidal ideation
2) Patient’s intent of initiating a suicide attempt
3) Patient plans for a suicide attempt
4) Whether the patient has means for a suicide attempt

GUIDANCE:
Use of a standardized tool or instrument to assess suicide risk will meet numerator performance.

Standardized tools can be mapped to the concept “Intervention, Performed: Suicide Risk Assessment” included in the numerator logic in the attached HQMFM in field 5.2a.

HQMF eCQM developed and is attached to this submission in fields 5.2a and 5.2b.

Time Period for Data Collection: At each visit for major depressive disorder during the measurement period.

HQMF eCQM developed and is included in this submission. We have provided the following definitions and/or guidance for convenience; please see HQMF eCQM for complete details related to the specification.

NUMERATOR DEFINITION:
The specific type and magnitude of the suicide risk assessment is intended to be at the discretion of the individual clinician and should be specific to the needs of the patient. At a minimum, suicide risk assessment should evaluate:
1. Risk (eg, age, sex, stressors, comorbid conditions, hopelessness, impulsivity) and protective factors (eg, religious belief, concern not to hurt family) that may influence the desire to attempt suicide.
2. Current severity of suicidality.
3. Most severe point of suicidality in episode and lifetime.

Low burden tools to track suicidal ideation and behavior such as the Columbia-Suicidal Severity Rating Scale can also be used.

NUMERATOR GUIDANCE:
A suicide risk assessment should be performed at every visit for major depressive disorder during the measurement period.

Use of a standardized tool or instrument to assess suicide risk will

Time Period for Data Collection: At least once during the 24 month period.

Definitions:
Systematic screening method - For purposes of this measure, one of the following systematic methods to assess unhealthy alcohol use must be utilized. Systematic screening methods and thresholds for defining unhealthy alcohol use include:

- AUDIT Screening Instrument (score >= 8)
- AUDIT-C Screening Instrument (score >= 4 for men; score >= 3 for women)

- Single Question Screening - How many times in the past year have you had 5 (for men) or 4 (for women and all adults older than 65 years) or more drinks in a day? (response >= 2)

Brief counseling - Brief counseling for unhealthy alcohol use refers to one or more counseling sessions, a minimum of 5-15 minutes, which may include: feedback on alcohol use and harms; identification of high risk situations for drinking and coping strategies; increased motivation and the development of a personal plan to reduce drinking

NUMERATOR NOTE: In the event that a patient is screened for unhealthy drinking alcohol use and identified as a user but did not receive brief alcohol cessation counseling submit G9624.

For Registry:
Report Quality Data Code:

| Alcohol Use Screening ADMINISTRATIVE: |
| Patients who had systematic screening for unhealthy alcohol use (see Alcohol Screening Value Set) as identified by claim/encounter data during the last 3 months of the year prior to the measurement year through the first 9 months of the measurement year. |

MEDICAL RECORD:
Patients who had systematic screening for unhealthy alcohol use during the last 3 months of the year prior to the measurement year during the first 9 months of the measurement year.

For Registry:

Report Quality Data Code:
### Table 10.01 (See S.2b.)

| Denominator Statement | Psychiatric inpatient discharges | All patients aged 18 years and older with a diagnosis of major depressive disorder (MDD) | All patient visits for those patients aged 6 through 17 years with a diagnosis of major depressive disorder | All patients aged 18 years and older seen for at least two visits or at least one preventive visit during the measurement period | All patients 18 years of age or older as of December 31 of the measurement year with at least one inpatient visit or two outpatient visits for schizophrenia or bipolar I disorder, or at least one inpatient visit for major depression during the measurement year. | Patients aged =5 to =19 years-old seen in the emergency department with psychotic symptoms. |

### Denominator Details

- **Included Populations:**
  - Patients with ICD-10-CM Principal or Other Diagnosis Codes for Mental Disorders as defined in Appendix A, Table 10.01 (See S.2b.)

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for

  **Time Period for Data Collection:** 12 consecutive months

  **Guidance:**

  This measure is an episode-of-care measure and should be reported for
1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed

| S.2b for attached code table | Six data elements are used to calculate the denominator:
| 1. Admission Date – The month, day and year of admission to acute inpatient care.
| 2. Birthdate - The month, day and year the patient was born.
| 3. Discharge Date – The month day and year the patient was discharged from acute care, left against medical advice or expired during the stay.
| 4. ICD-10-CM Other Diagnosis Codes-The other or secondary (ICD-10-CM) codes associated with the diagnosis for this hospitalization.
| 5. ICD-10-CM Principal Diagnosis Code- The ICD-10-CM diagnosis code that is primarily responsible for the admission of the patient to the hospital for care during this hospitalization.
| 6. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No. |

Each instance of a new or recurrent episode of major depressive disorder (MDD); every new or recurrent episode will count separately in the Initial Population. It is expected that a suicide risk assessment will be completed at the visit during which a new diagnosis is made or at the visit during which a recurrent episode is first identified (ie, at the initial evaluation). For the purposes of this measure, an episode of MDD would be considered to be recurrent if a patient has not had an MDD-related encounter in the past 105 days. If there is a gap of 105 or more days between visits for MDD, that would imply a recurrent episode. The 105-day look-back period is an operational provision and not a clinical recommendation, or definition of relapse, remission, or recurrence. The measure description outlined in the header for this measure states, 'patients aged 18 years and older' while the logic statement states, ‘>= 17 year(s) at: “Measurement Period”’. The logic statement, as written, captures patients who turn 18 years old during the measurement period so that these patients are included in the measure. To ensure all patients with major depressive disorder (MDD) are assessed for suicide risk, there are two clinical quality measures addressing suicide risk assessment; CMS 177 covers children and adolescents aged 6 through 17, and CMS 161 covers the adult population aged 18 years and older. HQMF eCQM developed and is attached to this submission in fields S.2a and S.2b.

We have provided the following definitions and/or guidance for HQMF eCQM for complete details related to the specification.

**DENOMINATOR DEFINITION:** None

**DENOMINATOR GUIDANCE:** This measure is an episode-of-care measure; the level of analysis for this measure is every visit for major depressive disorder during the measurement period. For example, at every visit for MDD, the patient should have a suicide risk assessment.

1365e Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment

| At least two patient encounters during the performance period (CPT or HCPCS): 90791, 90792, 90832, 90834, 90837, 90845, 96150, 96151, 96152, 97165, 97166, 97167, 97168, 97802, 97803, 97804, 99201, 99202, 99203, 99204, 99205, 99212, 99214, 99215, G0270, G0271 |

**WITHOUT** Telehealth Modifier: GG, GT, 95, POS 2 OR At Least One Preventive Visit during the performance period (CPT or HCPCS): 99385, 99386, 99387, 99395, 99396, 99397, 99401, 99402, 99403, 99404, 99411, 99412, 99429, G0438, G0439 |

**WITHOUT** Telehealth Modifier: GG, GT, 95, POS 02

2152 Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling

2599 Alcohol Screening and Follow-up for People with Serious Mental Illness

| year and the year prior. To determine continuous enrollment for a Medicaid beneficiary for whom enrollment is verified monthly, the person may not have more than one month gap in coverage (i.e., a person whose coverage lapses for two months [60 days]) is not considered continuously enrolled. Diagnosis Criteria: Identify patients with a serious mental illness. They must meet at least one of the following criteria during the measurement year or the year prior: At least one acute inpatient claim/encounter with any diagnosis of schizophrenia, bipolar I disorder, or major depression using any of the following code combinations: BH Stand Alone Acute Inpatient Value Set with one of the following diagnoses:

- Schizophrenia Value Set
- Bipolar Disorder Value Set
- Major Depression Value Set

BH Acute Inpatient Value Set with BH Acute Inpatient PDS Value Set and one of the following diagnoses:

- Schizophrenia Value Set
- Bipolar Disorder Value Set
- Major Depression Value Set

At least two visits in an outpatient, intensive outpatient, partial hospitalization, ED or non-acute inpatient setting, on different dates of service, with any diagnosis of schizophrenia or bipolar I disorder. Any two of the following code combinations meet criteria:

BH Stand Alone Outpatient/PH/IOP Value Set with one of the following diagnoses:

- Schizophrenia Value Set
- Bipolar Disorder Value Set

BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP PDS Value Set and one of the following diagnoses:

- Schizophrenia Value Set
- Bipolar Disorder Value Set

2806 Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department


These codes were chosen by Members of the COE4CCN Mental Health Working Group (see Ad.1) co-chaired by Psychiatric Health Services Researchers Drs. Michael Murphy and Bonnie Zima.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1922</td>
<td>HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed</td>
<td>0104</td>
<td>Adult Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td>1365</td>
<td>Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td>2152</td>
<td>Preventive Care and Screening; Unhealthy Alcohol Use: Screening &amp; Brief Counseling</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exclusions</td>
<td>• Patients for whom there is an inability to complete admission screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths within the first three days of admission due to the patient’s inability or unwillingness to answer screening questions</td>
<td>None</td>
<td>None</td>
<td>Documentation of medical reason(s) for not screening for unhealthy alcohol use (eg, limited life expectancy, other medical reasons)</td>
<td>Activated diagnosis of alcohol abuse or dependence during the first nine months of the year prior to the measurement year (see Alcohol Disorders Value Set).</td>
<td>None</td>
<td>Exclusion Details: Patients for whom screening cannot be completed due to the patient’s inability or unwillingness to answer assessment questions within the first three days of admission OR patients with a previous admission to the psychiatric unit during a single hospitalization. Length of stay (LOS) in days is equal to the Discharge Date minus the Admission Date. If the LOS is less than 3 days or greater than 365 days, the patient is excluded.</td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1922 HBIPS-1</td>
<td>Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0104eAdult Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1365eChild and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2352 Preventive Care and Screening: Unhealthy Alcohol Use: Screening &amp; Brief Counseling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2599 Alcohol Screening and Follow-up for People with Serious Mental Illness</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2806 Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The PCPI exception methodology uses three categories of reasons for which a patient may be removed from the denominator of an individual measure. These measure exception categories are not uniformly relevant across all measures; for each measure, there must be a clear rationale to permit an exception for a medical, patient, or system reason. Examples are provided in the measure exception language of instances that may constitute an exception and are intended to serve as a guide to clinicians. For measure Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling, exceptions may include medical reason(s) (e.g., limited life expectancy, other medical reasons). Although this methodology does not require the external reporting of more detailed exception data, the PCPI recommends that physicians document the specific reasons for exception in patients’ medical records for purposes of optimal patient management and audit-readiness. The PCPI also advocates the systematic review and analysis of each physician’s exceptions data to identify practice patterns and opportunities for quality improvement.

For Registry:
- **Report Quality Data Code:** G9623 - Documentation of medical reason(s) for not screening for unhealthy alcohol use (e.g., limited life expectancy, other medical reasons)
- **Stratification:** The measure is stratified by the following age groups:
  - Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put
  - Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put
  - Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put

**Risk Adjustment:**
- No risk adjustment or risk stratification
- No risk adjustment or risk stratification
- No risk adjustment or risk stratification
- No risk adjustment or risk stratification
- No risk adjustment or risk stratification
- No risk adjustment or risk stratification

**Stratification:**
- Not applicable.
- N/A
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Determine the eligible population (ie, the general group of patients that a set of performance measures is designed to address).</td>
</tr>
<tr>
<td>2.</td>
<td>From the patients within the initial patient population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria). Note: in some cases the initial patient population and denominator are identical.</td>
</tr>
<tr>
<td>3.</td>
<td>From the patients within the denominator, find the patients who meet the numerator criteria (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator. If the patient does not meet the numerator, this case represents a quality failure.</td>
</tr>
<tr>
<td>4.</td>
<td>Identify the numerator (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator. If the patient does not meet the numerator, this case represents a quality failure.</td>
</tr>
</tbody>
</table>

**Algorithm**

To calculate performance rates:

1. Find the patients who meet the initial patient population (ie, the general group of patients that a set of performance measures is designed to address).
2. From the patients within the initial patient population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria).
3. From the patients within the denominator, find the patients who meet the numerator criteria (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator.
4. From the patients who did not meet the numerator criteria, determine if the provider has documented that the patient meets any criteria for exception when denominator

To calculate the numerator:

1. Find the patients who meet the initial patient population (ie, the general group of patients that a set of performance measures is designed to address).
2. From the patients within the initial patient population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria).
3. From the patients within the denominator, find the patients who meet the numerator criteria (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator.
4. From the patients who did not meet the numerator criteria, determine if the provider has documented that the patient meets any criteria for exception when denominator.
to equal zero, initialize Incomplete Screening Counter to equal zero. Continue processing and proceed to Patient Strengths.

6. Check Patient Strengths
   a. If Patient Strengths equals No, add one to No Screening Counter. Continue processing and proceed to Psychological Trauma History.
   b. If Patient Strengths is missing, add one to Missing Counter. Continue processing and proceed to Psychological Trauma History.
   c. If Patient Strengths equals Yes or X, Continue processing and proceed to check Patient Strengths.

7. Check Patient Strengths
   a. If Patient Strengths equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Psychological Trauma History.
   b. If Patient Strengths equals No, add one to No Screening Counter. Continue processing and proceed to Substance Use.
   c. If Psychological Trauma History equals Yes or X, Continue processing and proceed to check Psychological Trauma History.

8. Check Psychological Trauma History
   a. If Psychological Trauma History equals No, add one to No Screening Counter. Continue processing and proceed to Substance Use.
   b. If Psychological Trauma History is missing, add one to Missing Counter. Continue processing and proceed to Substance Use.
   c. If Psychological Trauma History equals Yes or X, Continue processing and proceed to check Psychological Trauma History.

9. Check Psychological Trauma History
   a. If Psychological Trauma History equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Substance Use.
   b. If Psychological Trauma History equals No, add one to No Screening Counter. Continue processing and proceed to Substance Use.

10. Check Substance Use

exceptions have been specified (for this measure: medical reason(s) (eg, limited life expectancy, other medical reasons)). If the patient meets any exception criteria, they should be removed from the denominator for performance calculation. —Although the exception cases are removed from the denominator population for the performance calculation, the exception rate (ie, percentage with valid exceptions) should be calculated and reported along with performance rates to track variations in care and highlight possible areas of focus for QI.

If the patient does not meet the numerator and a valid exception is not present, this case represents a quality failure.
<table>
<thead>
<tr>
<th>1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed</th>
<th>0104 Adult Major Depressive Disorder (MDD): Suicide Risk Assessment</th>
<th>1365e Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment</th>
<th>2152 Preventive Care and Screening; Unhealthy Alcohol Use: Screening &amp; Brief Counseling</th>
<th>2599 Alcohol Screening and Follow-up for People with Serious Mental Illness</th>
<th>2806 Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. If Substance Use equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Others.</td>
<td>b. If Substance Use is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Others.</td>
<td>c. If Substance Use equals Yes or X, Continue processing and proceed to check Substance Use.</td>
<td>11. Check Substance Use</td>
<td>a. If Substance Use equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Others.</td>
<td>b. If Substance Use equal Yes, Continue processing and proceed to Violence Risk to Others.</td>
</tr>
<tr>
<td>a. If Violence Risk to Others equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Self.</td>
<td>b. If Violence Risk to Others is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Self.</td>
<td>c. If Violence Risk to Others equals Yes or X, Continue processing and proceed to check Violence Risk to Others.</td>
<td>12. Check Violence Risk to Others</td>
<td>a. If Violence Risk to Others equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Self.</td>
<td>b. If Violence Risk to Others equal Yes, Continue processing and proceed to Violence Risk to Self.</td>
</tr>
<tr>
<td>a. If Violence Risk to Others equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Self.</td>
<td>b. If Violence Risk to Others equal Yes, Continue processing and proceed to Violence Risk to Self.</td>
<td>13. Check Violence Risk to Others</td>
<td>a. If Violence Risk to Others equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Self.</td>
<td>a. If Violence Risk to Self equals No, add one to No Screening Counter. Continue processing and proceed to Incomplete Screening Counter.</td>
<td>b. If Violence Risk to Self is missing, add one to Missing Counter. Continue processing and proceed to Incomplete Screening Counter.</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1922</td>
<td>HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0104</td>
<td>Adult Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1365</td>
<td>Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2152</td>
<td>Preventive Care and Screening: Unhealthy Alcohol Use: Screening &amp; Brief Counseling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2599</td>
<td>Alcohol Screening and Follow-up for People with Serious Mental Illness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2806</td>
<td>Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Processing and proceed to Incomplete Screening Counter.

- If Violence Risk to Self equals Yes or X, Continue processing and proceed to check Violence Self.

15. Check Violence Risk to Self
   - If Violence Risk to Self equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Incomplete Screening Counter.
   - If Violence Risk to Self equals Yes, Continue processing and proceed to Incomplete Screening Counter.

16. Check Incomplete Screening Counter
   - If Incomplete Screening Counter equals 5, the case will proceed to a Measure Category Assignment of 6 and will not be in the measure population. Continue processing and proceed to initialize the Measure Category Assignment for each strata measure.
   - If Incomplete Screening Counter is less than five, continue processing and proceed to Missing Counter.

17. Check Missing Counter
   - If Missing Counter is more than zero, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-1a) and will be rejected. Proceed to step initialize the Measure Category Assignment for each strata measure.
   - If Missing Counter equals zero, continue processing and proceed to No Screening Counter.

18. Check No Screening Counter
   - If No Screening Counter is greater than zero, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-1a) and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.
<table>
<thead>
<tr>
<th>Code</th>
<th>Measure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1922</td>
<td>HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed</td>
</tr>
<tr>
<td>0104</td>
<td>Adult Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
</tr>
<tr>
<td>1365</td>
<td>Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment</td>
</tr>
<tr>
<td>2152</td>
<td>Preventive Care and Screening: Unhealthy Alcohol Use: Screening &amp; Brief Counseling</td>
</tr>
<tr>
<td>2599</td>
<td>Alcohol Screening and Follow-up for People with Serious Mental Illness</td>
</tr>
<tr>
<td>2806</td>
<td>Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department</td>
</tr>
</tbody>
</table>

b. If No Screening Counter equals zero, the case will proceed to a Measure Category Assignment of ‘E’ and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.

19. Initialize the Measure Category Assignment for each strata measure (b-e) equal ‘B’. Do not change the Measure Category Assignment that was already calculated for the overall rate (HBIPS-1a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-1a) Measure Category Assignment. Continue processing and proceed to Overall Rate Category Assignment.

20. Check Overall Rate Category Assignment
   a. If Overall Rate Category Assignment equals ‘B’, retain the Measure Category Assignment for the strata measures (HBIPS-1b through HBIPS-1e) equals ‘B’. Stop processing.
   b. If Overall Rate Category Assignment equals ‘D’, ‘E’, or ‘X’, continue processing and proceed to Patient Age at Discharge.

21. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal to 1 year and less than 13 years, set the Measure Category Assignment for the measure HBIP-1b equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal to 13 years, continue processing and proceed to Patient Age at Discharge.

22. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal to 13 years and less than 18 years, set the Measure Category Assignment for the measure HBIP-1c equal to Measure Category Assignment for the measure HBIP-1a.
Submission items

5.1 Identified measures: 0104 : Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
0110 : Bipolar Disorder and Major Depression: Appraisal for alcohol or chemical substance use
0111 : Bipolar Disorder: Appraisal for risk of suicide
1365 : Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
2152 : Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
2599 : Alcohol Screening and Follow-up for People with Serious Mental Illness
2806 : Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

Assignment for measure HBIP-1a. Stop processing.

b. If Patient Age at Discharge is greater than or equal to 18 years, continue processing and proceed to Patient Age at Discharge.
23. Check Patient Age at Discharge
a. If Patient Age at Discharge is greater than or equal to 18 years and less than or equal to 65 years, set the Measure Category Assignment for the measure HBIP-1d equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
b. If Patient Age at Discharge is greater than or equal to 65 years, set the Measure Category Assignment for the measure HBIP-1e equal to Measure Category Assignment for measure HBIP-1a. Stop processing.

5.1 Identified measures: 1365 : Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Sa.1 Are specs completely harmonized? No
Sa.2 If not completely harmonized, identify difference, rationale, impact: The guidelines used as evidence in the NQF 1365: Child and Adolescent Major Depressive Disorder (MDD) Suicide Risk Assessment explicitly recommend suicide assessment at every visit for MDD whereas the guidelines used for evidence in this measure do not emphasize this level of assessment frequency.
Sb.1 If competing, why superior or rationale for additive value: Both of these measures (0104 and 1365) were developed after our measure. The NCQA measure focuses on a specific sub-population (people with serious mental illness) and is intended for use at the health plan level. In the TJC measures, screening and intervention are separate measures. Additionally, the TJC measures are intended for use at the hospital level. PCPI was contacted by these measure stewards respectively while the measures were developed, and they are currently harmonized to the extent feasible.
Sb.1 If competing, why superior or rationale for additive value: No competing NQF-endorsed measure.

5.1 Identified measures: 0104 : Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
0111 : Bipolar Disorder: Appraisal for risk of suicide
Sa.1 Are specs completely harmonized? Yes
Sa.2 If not completely harmonized, identify difference, rationale, impact: The related measures listed in 5.1b were developed after our measure.
Sb.1 If competing, why superior or rationale for additive value: No competing NQF-endorsed measure.

5.1 Identified measures: 2152 : Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Sa.1 Are specs completely harmonized? Yes
Sa.2 If not completely harmonized, identify difference, rationale, impact: Because our measure emphasizes a different target population, children and adolescents with MDD, from the related measures that focus on adults with MDD and patients with bipolar disorder. As a result, the recommended frequency of suicide assessment is different in our measure from the other measures.
Sb.1 If competing, why superior or rationale for additive value: Because our measure emphasizes a different target population and a different type/frequency of assessment, we feel multiple measures are justified to address suicide risk assessment differently in different high-risk populations.
Sb.1 If competing, why superior or rationale for additive value: No competing NQF-endorsed measure.

5.1 Identified measures: 2152 : Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Sa.1 Are specs completely harmonized? Yes
Sa.2 If not completely harmonized, identify difference, rationale, impact: This measure was adapted from the existing provider-level measure (NQF #2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling) for use at the health plan level for the high risk subpopulation of people with serious mental illness. The measure is harmonized and has been reviewed with the original measure stewards and developers. The differences between the existing measure and the proposed serious mental illness subpopulation measure were developed with expert input and are described here. The population focus: This measure focuses on people with serious mental illness, who are at a higher risk of unhealthy alcohol use than the general population and have
<p>| 1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed | 0104eAdult Major Depressive Disorder (MDD): Suicide Risk Assessment | 1365e Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment | 2152 Preventive Care and Screening: Unhealthy Alcohol Use: Screening &amp; Brief Counseling | 2599 Alcohol Screening and Follow-up for People with Serious Mental Illness | 2806 Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department |
| --- | --- | --- | --- | --- |
| bipolar disorder. The measures only evaluate one aspect of screening: either suicide risk or alcohol or substance use. Measures 0104, 0110, 0111, 2159, and 2599 only evaluate patients age 18 years and older. The SUB-1 measure pertains to all inpatients 18 years and older, with screening limited to substance use. HBIPS-1 addresses inpatient organizational performance for all psychiatric diagnoses and evaluates the care of all patient ages (greater than 1 year). Additionally, HBIPS-1 evaluates several aspects of screening (risk of violence to self or others, substance use, psychological trauma history and patient strengths). 5b.1 If competing, why superior or rationale for additive value: Not Applicable | demonstrated disparities in care - What counts as follow-up and the number of events for follow-up: This measure requires two events of counseling, raising expectations for the intensity of service for the serious mental illness population compared to the original measure for the general population, and is reasonably achievable, particularly in the health plan context. USPSTF recommendation supports multi-contact counseling which seems to have the best evidence of effectiveness. -In addition, the existing measure (NQF #2152) is reported at the provider level and is focused on follow-up conducted at time of screening making a single event sufficient. However, at the health plan level, there is opportunity/responsibility for follow-up care beyond the visit. We believe our measure focused on screening patients with SMI for unhealthy alcohol use and capturing more intensive evidence-based follow-up care for a vulnerable population contributes to the national quality agenda. 5b.1 If competing, why superior or rationale for additive value: Not Applicable |</p>
<table>
<thead>
<tr>
<th>Steward</th>
<th>National Committee for Quality Assurance</th>
<th>National Committee for Quality Assurance</th>
<th>Centers for Medicare &amp; Medicaid Services, Centers for Medicare &amp; CHIP Services</th>
<th>Centers for Medicare &amp; Medicaid Services, Centers for Medicaid &amp; CHIP Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>The percentage of emergency department (ED) visits for members 13 years of age and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence, who had a follow up visit for AOD. Two rates are reported: 1. The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). 2. The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).</td>
<td>This measure assesses the degree to which the organization initiates and engages members identified with a need for alcohol and other drug (AOD) abuse and dependence services and the degree to which members initiate and continue treatment once the need has been identified. Two rates are reported: • Initiation of AOD Treatment. The percentage of adolescent and adult members with a new episode of AOD abuse or dependence who initiate treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter, partial hospitalization, telehealth or medication assisted treatment (MAT) within 14 days of the diagnosis. • Engagement of AOD Treatment. The percentage of adolescent and adult members with a new episode of AOD abuse or dependence who initiated treatment and who had two or more additional AOD services or MAT within 34 days of the initiation visit.</td>
<td>Percentage of discharges from a detoxification episode for adult Medicaid Beneficiaries, age 18-64, that was followed by a treatment service for substance use disorder (including the prescription or receipt of a medication to treat a substance use disorder (pharmacotherapy) within 7 or 14 days after discharge. This measure is reported across all detoxification settings.</td>
<td>Percentage of discharges from an inpatient or residential treatment for substance use disorder (SUD) for Medicaid beneficiaries, ages 18 to 64, which was followed by a treatment service for SUD. SUD treatment includes having an outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth encounter, or filling a prescription or being administered or ordered a medication for SUD. (After an inpatient discharge only, residential treatment also counts as continuity of care.) Two rates are reported, continuity within 7 and 14 days after discharge.</td>
</tr>
<tr>
<td>Type</td>
<td>Process</td>
<td>Claims</td>
<td>NCQA collects HEDIS data directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system. No data collection instrument provided Attachment 3488_FUA_Value_Sets_Spring_2019.xlsx</td>
<td>Claims Medicaid Analytic eXtract (MAX) 2013 and 2014 eligible (EL), inpatient (IP), other services (OT), long-term care (LT) and drug (RX) files. The other services file contains facility and individual provider services data. Most notably, it may contain both residential and other stayover service claims data as claims are assigned to MAX claims file types based upon the category of service provided. The inpatient file only contains inpatient hospital, sterilization, abortion and religious non-medical health care institution claims. No data collection instrument provided Attachment Cont_Care_After_Detox_Value_Sets.xlsx</td>
</tr>
<tr>
<td>Process</td>
<td>Claims Health Plan</td>
<td>Health Plan</td>
<td>Population : Regional and State</td>
<td>Population : Regional and State</td>
</tr>
<tr>
<td>Setting</td>
<td>Outpatient Services</td>
<td>Emergency Department and Services, Inpatient/Hospital, Outpatient Services</td>
<td>Inpatient/Hospital, Outpatient Services</td>
<td>Emergency Department and Services, Home Care, Inpatient/Hospital, Outpatient Services</td>
</tr>
<tr>
<td>Numerator Statement</td>
<td>The numerator consists of two rates: • 30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit. • 7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). These rates are stratified by age (13–17, 18 and older, total).</td>
<td>Initiation of AOD Treatment: Initiation of treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth or medication treatment within 14 days of the diagnosis. • Engagement of AOD Treatment: Discharges in the denominator who have an inpatient, intensive outpatient, partial hospitalization, outpatient visit, residential, or drug prescription or procedure within 7 or 14 days after discharge from a detoxification episode.</td>
<td>Discharges in the denominator with an outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth or filled a prescription for or were administered or ordered a medication for SUD. (After an inpatient discharge only, residential treatment also counts as continuity of care.) Two rates are reported, continuity within 7 and 14 days after discharge.</td>
<td></td>
</tr>
</tbody>
</table>
Numerators Details

30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).
- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).
- An online assessment (Online Assessments Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).
- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

Index Episode Start Date. The earliest date of service for an eligible encounter during the Intake Period with a diagnosis of AOD abuse or dependence.

- For an outpatient, intensive outpatient, partial hospitalization, observation, telehealth, detoxification or ED visit (not resulting in an inpatient stay), the IESD is the date of service.
- For an inpatient stay, the IESD is the date of discharge.
- For an ED and observation visits that results in an inpatient stay, the IESD is the date of the inpatient discharge (an AOD diagnosis is not required for the inpatient stay; use the diagnosis from the ED or observation visit to determine the diagnosis cohort).

For direct transfers, the IESD is the discharge date from the last admission (an AOD diagnosis is not required for the transfer; use the diagnosis from the initial admission to determine the diagnosis cohort).

INITIATION OF AOD TREATMENT

Initiation of AOD treatment within 14 days of the IESD. If the Index Episode was an inpatient discharge (or an ED visit that resulted in an inpatient stay), the inpatient stay is considered initiation of treatment and the member is compliant. If the Index Episode was not an inpatient discharge, the member must initiate treatment on the IESD or in the 13 days after the IESD (14 total days). Any of the following code combinations meet criteria for initiation:

- An acute or nonacute inpatient admission with a diagnosis matching the IESD diagnosis cohort using one of the following:
  - Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set
  - To identify acute and nonacute inpatient admissions:
    - Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
    - Identify the admission date for the stay.
- IET Stand Alone Visits Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- Observation Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set.

Numerator: AOD treatment and two or more additional AOD services or medication treatment within 34 days of the initiation visit.

Numerator Details

Measure data will be reported annually (12 months). To account for the 14-day time period after discharge from detoxification, the denominator period will start January 1 and end December 15 of the measurement year. The numerator includes individuals with any of the following within 14 days after discharge from detoxification:

- Pharmacotherapy on day of discharge through day 7 or 14.
- Outpatient, intensive outpatient, partial hospitalization, or residential treatment procedure with a diagnosis of SUD on the day after discharge through day 7 or 14.
- Long-term care institutional claims with an SUD diagnosis on day after discharge through day 7 or 14.
- Outpatient visit, partial hospitalization, or residential treatment with a diagnosis of SUD on day after discharge through day 7 or 14.
- Inpatient admission with an SUD diagnosis or procedure code on day after discharge through day 7 or 14.
- Hospital inpatient admission with a diagnosis of SUD on the day after discharge through day 7 or 14.
- Long-term care institutional claims with an SUD diagnosis on day after discharge through day 7 or 14.

If the Index Episode was an inpatient discharge (or an ED visit that resulted in an inpatient stay), the inpatient stay is considered initiation of treatment and the member is compliant. If the Index Episode was not an inpatient discharge, the member must initiate treatment on the IESD or in the 13 days after the IESD (14 total days). Any of the following code combinations meet criteria for initiation:

- An acute or nonacute inpatient admission with a diagnosis matching the IESD diagnosis cohort using one of the following:
  - Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set
  - To identify acute and nonacute inpatient admissions:
    - Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
    - Identify the admission date for the stay.
- IET Stand Alone Visits Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- Observation Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set.

Public comments supported a measure for 7- and 14-day continuity of care. However, three TEP members felt that 14-days continuity of care is too long. Our approach balances clinical best practice thinking that the sooner the patient is connected to treatment the better while also allowing treatment programs more time for placement of patients in continuing treatment. Because it may be difficult at times for treatment programs to place clients in continuing care in a timely fashion after discharge due to limits in systems capacity, it is particularly important to allow more time for continuity of care to occur.

Inpatient or residential treatment was considered to be SUD related if it had a primary SUD diagnosis or a procedure indicating SUD. SUD diagnoses are identified through ICD-9 codes. Procedures are defined using a combination of Healthcare Common Procedure Coding System (HCPCS) codes, Uniform Billing (UB) Revenue Codes and ICD-9/ICD-10 procedure codes. Pharmacotherapy includes naltrexone (short or long acting), acamprosate, or disulfiram for alcohol dependence treatment and buprenorphine for opioid dependence treatment, as well HCPCS codes to identify procedures related to injecting drugs (e.g., long-acting injectable naltrexone). A list of value sets for the measure is attached in the Excel workbook provided for question 5.2b. We include 2016 HEDIS value sets because we used these value sets in measure testing. HEDIS value sets are used because we used these value sets in measure testing.
### 3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

- An online assessment ([Online Assessments Value Set](#)) with a principal diagnosis of AOD abuse or dependence ([AOD Abuse and Dependence Value Set](#)) and Dependence Value Set, Other Drug Abuse and Dependence Value Set with or without a telehealth modifier ([Telehealth Modifier Value Set](#)).
  - IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set with or without a telehealth modifier ([Telehealth Modifier Value Set](#)).
  - A telephone visit ([Telephone Visit Value Set](#)) with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
  - An online assessment ([Online Assessment Value Set](#)) with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
  - If the Index Episode was for a diagnosis of alcohol abuse or dependence ([Alcohol Abuse and Dependence Value Set](#)) a medication treatment dispensing event ([Medication Treatment for Alcohol Abuse or Dependence Medications List](#)) or medication treatment during a visit ([AOD Medication Treatment Value Set](#)).
  - If the Index Episode was for a diagnosis of opioid abuse or dependence ([Opioid Abuse and Dependence Value Set](#)) a medication treatment dispensing event ([Medication Treatment for Opioid Abuse or Dependence Medications List](#)) or medication treatment during a visit ([AOD Medication Treatment Value Set](#)).

For all initiation events except medication treatment ([AOD Medication Treatment Value Set](#); [Medication Treatment for Alcohol Abuse or Dependence Medications List](#); [Medication Treatment for Opioid Abuse or Dependence Medications List](#)), initiation on the same day as the IESD must be with different providers in order to count.

- If a member is compliant for the Initiation numerator for any diagnosis cohort (i.e., alcohol, opioid, other drug) or for multiple cohorts, count the member only once in the Total Initiation numerator. The "Total" column is not the sum of the diagnosis columns.
  - Exclude the member from the denominator for both indicators (Initiation of AOD Treatment and Engagement of AOD Treatment) if the initiation of treatment event is an inpatient stay with a discharge date after November 27 of the measurement year.

#### ENGAGEMENT OF AOD TREATMENT

1) Numerator compliant for the Initiation of AOD Treatment numerator and...
2) Members whose initiation of AOD treatment was a medication treatment event (Medication Treatment for Alcohol Abuse or Dependence Medications List; Medication Treatment for Opioid Abuse or Dependence Medications List; AOD Medication Treatment Value Set).
These members are numerator compliant if they have two or more engagement events where only one can be an engagement medication treatment event.

3) Remaining members whose initiation of AOD treatment was not a medication treatment event (members not identified in step 2).
These members are numerator compliant if they meet either of the following:
- At least one engagement medication treatment event.
- At least two engagement visits

Two engagement visits can be on the same date of service, but they must be with different providers in order to count as two events. An engagement visit on the same date of service as an engagement medication treatment event meets criteria (there is no requirement that they be with different providers).

Engagement visits:
Any of the following meet criteria for an engagement visit:
- An acute or nonacute inpatient admission with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set. To identify acute or nonacute inpatient admissions:
  - Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
  - Identify the admission date for the stay.
- IET Stand Alone Visits Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
- Observation Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set.
- IET Visits Group 1 Value Set with IET POS Group 1 Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
- IET Visits Group 2 Value Set with IET POS Group 2 Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
### Denominator Statement

<table>
<thead>
<tr>
<th>Denominator Details</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age:</td>
<td>13 years and older as of the date of the ED visit</td>
</tr>
<tr>
<td>Benefit:</td>
<td>Medical and chemical dependency.</td>
</tr>
<tr>
<td>Note:</td>
<td>Members with detoxification-only chemical dependency benefits do not meet these criteria.</td>
</tr>
<tr>
<td>Continuous Enrollment:</td>
<td>Event duration: Date of ED visit and 30 days after the ED visit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Denominator Details</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Event/diagnosis criteria:</td>
<td>An ED visit (ED Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set) on or between January 1 and December 1 of the measurement year.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Denominator Details</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify the Index Episode:</td>
<td>Identify all members 13 years and older as of December 31 of the measurement year who were diagnosed with a new episode of AOD abuse or dependence (AOD Medication Treatment Value Set) during the first 10 and ½ months of the measurement year (e.g., January 1-November 15).</td>
</tr>
</tbody>
</table>

### Denominator Details

- Patients age 13 years of age and older as of December 31 of the measurement year who were diagnosed with a new episode of alcohol or other drug abuse (AOD Abuse and Dependence Value Set) on or between January 1 and December 1 of the measurement year. 

### Denominator Details

- Measure data will be reported annually (12 months). To account for the 14-day time period after discharge from detoxification, the denominator period will start January 1 and end December 15 of the measurement year. 

### Target Population

- Medicaid beneficiaries aged 18 through 64 as of January 1 of the measurement year. 

### Continuous Enrollment

- Medicaid beneficiaries aged 18 through 64 as of January 1 of the measurement year. 

- Benefit: Medical and Behavioral Health Services. 

- Continuous Enrollment: Date of inpatient or residential SUD treatment discharge and end of the following month. The enrollment requirement is to ensure that beneficiaries are enrolled for sufficient time to allow for the continuity activities, particularly for a discharge that occurs near the end of a month.

### Measure Data

- Medicaid beneficiaries aged 18 through 64 as of January 1 of the measurement year. 

- Benefit: Medical and Behavioral Health Services. 

- Continuous Enrollment: Date of inpatient or residential SUD treatment discharge and end of the following month. The enrollment requirement is to ensure that beneficiaries are enrolled for sufficient time to allow for the continuity activities, particularly for a discharge that occurs near the end of a month.
### Exclusions

- Patients in hospice.

### Measure

#### 3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

- The measurement year where the member was 13 years or older on the date of the visit. The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.

- If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1, then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.

- Exclude ED visits that result in an inpatient stay and ED visits followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit, regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting, follow the steps below:
  1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
  2. Identify the admission date for the stay.

- These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

#### 0048 Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

- Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - IET Visits Group 1 Value Set with IET POS Group 1 Value Set and with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - IET Visits Group 2 Value Set with IET POS Group 2 Value Set and with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - A detoxification visit (Detoxification Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - An ED visit (ED Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
  - An observation visit (Observation Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
  - An acute or nonacute inpatient discharge with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set. To identify acute and nonacute inpatient discharges:
    - Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
    - Identify the discharge date for the stay.
    - A telephone visit (Telephone Visits Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
    - An online assessment (Online Assessments Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

- For members with more than one episode of AOD abuse or dependence, use the first episode.

#### 3312 Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

- Detox discharge during the year January 1-December 15.
  - Enrolled in Medicaid during the month of detoxification discharge and the following month.
  - The denominator is based on discharges, not individuals. A beneficiary may have more than one qualifying detox episode.
  - Detoxification is identified using a combination of HCPCS codes, UB Revenue Codes and ICD-9/ICD-10 procedure codes. A list of value sets for the measure is attached in the Excel workbook provided for question S.2b. As with the numerator specifications, this document lists standardized specification for this measure. States will likely need to modify the specifications to include their state-specific codes.

#### 3453 Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

- Diagnosis Criteria: Discharges from inpatient or residential treatment with a primary diagnosis of SUD on any claim during the stay. Residential treatment is identified using the value sets in Tabs 1-3 of the attached Excel file. SUD diagnoses are identified using the value sets in Tabs 1-2.

- The denominator for this measure is based on discharges, not individuals. If a person has more than one discharge, include all discharges on or between January 1 and December 15 of the measurement year. December 15th is selected to allow sufficient time for continuity activities.

---

**Exclusions**

- Patients in hospice.

**Numerator**

- Exclude members who had a claim/encounter with a diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), AOD medication treatment (AOD Medication Treatment Value Set)

**Denominator**

- Not applicable. The measure does not have denominator exclusions.

**Exclusions for both rates**

- Exclude from the denominator for both rates.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Eligibility Criteria</th>
<th>Exclusion Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3488</td>
<td>Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence</td>
<td>or an alcohol or opioid dependency treatment medication dispensing event (Medication Treatment for Alcohol Abuse or Dependence Medications List; Medication Treatment for Opioid Abuse or Dependence Medications List) during the 60 days (2 months) before the IESD. Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began.</td>
<td>Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).</td>
</tr>
<tr>
<td>0004</td>
<td>Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3312</td>
<td>Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 3453 | Continuity of care after inpatient or residential treatment for substance use disorder (SUD) | • Discharges with hospice services during the measurement year  
• Both the initial discharge and the admission/direct transfer discharge if the admission/direct transfer discharge occurs after December 15 of the measurement year. Discharges followed by admission or direct transfer to inpatient or SUD residential treatment setting within 7 or 14-day continuity of care period. These discharges are excluded from the measure because transfer, hospitalization or admission to residential treatment within 7 or 14 days may prevent a continuity of care visit from taking place. An exception is admission to residential treatment following discharge from inpatient treatment; we do not exclude these admissions, because continuity into residential treatment after inpatient treatment is considered appropriate treatment. | |

### Exclusion Details

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

Exclude patients who had a claim/encounter with a diagnosis of AOD during the 60 days (2 months) before the Index Episode Start Date. (See corresponding Excel document for the AOD Dependence Value Set)
- For an inpatient Index Episode Start Date, use the admission date to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.
- For an ED visit that results in an inpatient event, use the ED date of service to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.
- For direct transfers, use the first admission to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.

Exclude from the denominator for both indicators (Initiation of AOD Treatment and Engagement of AOD Treatment) patients whose initiation of treatment event is an inpatient stay with a discharge date after December 1 of the measurement year.

### Risk Adjustment

No risk adjustment or risk stratification

### Stratification

This measure is stratified by age:
- Age 13 to 17 years
- Age 18 and older
- Total (sum of the age stratifications)

The total population is stratified by age: 13-17 and 18+ years of age. Report two age stratifications and a total rate. The total is the sum of the age stratifications. Report the following diagnosis cohorts for each age stratification and the total rate:
- Alcohol abuse or dependence.
- Opioid abuse or dependence.
- Other drug abuse or dependence.

Location of detox is used as a stratification variable in analyses. If an inpatient hospital claim had an ICD-9/ICD-10 detoxification procedure code or a UB revenue code indicating detoxification, hospital inpatient treatment is assigned as the location of detox. In addition, hospital inpatient treatment is also assigned if a non-inpatient claim contains a HCPCS code indicating hospital inpatient detox.

Not applicable.
Type Score

Algorithm

Step 1: Determine the eligible population.
- Step 1A: Identify patients who were treated and discharged from an emergency department with a primary diagnosis of alcohol or other drug abuse or dependence. Do not include ED visits that result in an inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit.

- Step 2: Identify the numerator.
- Step 2A: Identify those who had a qualifying follow-up visit within 7 days.
- Step 2B: Identify those who had a qualifying follow-up visit within 30 days.

- Step 3: Calculate the rates.
- Step 3A: Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up visit within 7 days (Step 2A) by the denominator (Step 1A).
- Step 3B: Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up visit within 30 days (Step 2B) by the denominator (Step 1A).

Step 1: Identify denominator
- Step 1A: Eligible population: Identify non-dually enrolled Medicaid beneficiaries ages 18-64 years who have any detoxification (withdrawal management) in inpatient hospital, residential addiction treatment program, or ambulatory detoxification (withdrawal management) discharge from January 1 to December 15 of the measurement year and are enrolled the month of detoxification and the following month. Age is calculated as of January 1 of the measurement year.

- Step 1B: Overall: Among the Medicaid beneficiaries in Step 1A, identify all detoxification discharges using all inpatient, outpatient and ambulatory claims files or tables that contain HCPCS or ICD-9/ICD-10 procedure codes and UB revenue codes. If more than one detoxification in a year, treat each detoxification as a separate observation, e.g., an inpatient hospital detoxification in January and an ambulatory detoxification in July, counts as two observations.

- Step 1B: Multiple detox claims that are within 1-2 days are combined into a single detox episode. Accordingly, sort the inpatient, outpatient and ambulatory detox discharges by Beneficiary ID and service dates to ensure the discharges from these multiple data sources are in chronological order. Then combine close-proximity episodes while retaining all clinical fields from each episode.

- Step 1C: Detox location assignment: hospital inpatient, inpatient residential addiction, outpatient residential outpatient addiction.

- Step 1D: Flag claims as inpatient or as residential treatment. Among the Medicaid beneficiaries in Step 1A, flag claims as being either in an inpatient or residential setting using all inpatient, outpatient, and ambulatory claims files or tables that contain HCPCS, ICD-9/ICD-10 procedure or diagnosis codes, place of treatment location from non-inpatient claims that do not contain a HCPCS code. A list of value sets for the measure is attached in the Excel workbook provided for question S.2b.

The following step are used to identify the denominator, numerator, and calculation of the measure rate:

Step 1: Identify denominator
- Step 1A: Eligible population: Identify enrolled Medicaid beneficiaries ages 18-64 years who have any detoxification (withdrawal management) in inpatient hospital, residential addiction treatment program, or ambulatory detoxification (withdrawal management) discharge from January 1 to December 15 of the measurement year and are enrolled the month of detoxification and the following month. Age is calculated as of January 1 of the measurement year.

- Step 1B: Overall: Among the Medicaid beneficiaries in Step 1A, identify all detoxification discharges using all inpatient, outpatient and ambulatory claims files or tables that contain HCPCS or ICD-9/ICD-10 procedure codes and UB revenue codes. If more than one detoxification in a year, treat each detoxification as a separate observation, e.g., an inpatient hospital detoxification in January and an ambulatory detoxification in July, counts as two observations.

- Step 1B: Multiple detox claims that are within 1-2 days are combined into a single detox episode. Accordingly, sort the inpatient, outpatient and ambulatory detox discharges by Beneficiary ID and service dates to ensure the discharges from these multiple data sources are in chronological order. Then combine close-proximity episodes while retaining all clinical fields from each episode.

- Step 1C: Detox location assignment: hospital inpatient, inpatient residential addiction, outpatient residential outpatient addiction.

The remaining detox location assignments are very straightforward. Whenever possible, use of the HCPCS codes to determine location is most desired as it reflects the more precise detoxification location. The other stayover treatment location is designed to capture detox location from non-inpatient claims that do not contain a HCPCS code. A list of value sets for the measure is attached in the Excel workbook provided for question S.2b.
### 3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

| 0004 Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment |
| 3312 Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs |
| 3453 Continuity of care after inpatient or residential treatment for substance use disorder (SUD) |

Other stayover treatment and ambulatory detoxification. Use HCPCS detox procedure codes to assign detox location whenever possible; revenue center detox will map to the hospital inpatient location when the revenue codes appear on an inpatient claim or table. They will map to other stayover treatment when the revenue codes appear on a non-inpatient claim. If there is more than 1 detox location when episodes are combined, assign the location using the first claim’s location. If there is a TIE between a detox episode being identified via revenue center codes and a more specific category using HCPCS on the SAME claim, the HCPCS location prevails.

**Step 2: Identify numerator**

**Step 2A: Overall**

From the denominator in Step 1B, identify those discharges from detoxification in any setting with a qualifying continuity service within 7 or 14 days after discharge.

**Step 2A.1: Identify SUD continuity services**

Continuity services are assigned using clinical claims billing information (e.g., diagnosis, procedure, revenue codes). The measure includes all claims files or data tables that contain clinical fields (e.g., inpatient hospital, outpatient, other ambulatory and long-term care). SUD diagnoses can be in any position – primary or secondary – for continuity services. Since multiple claims files or tables could each contain a continuity claim, the specification calls for creating continuity variables separately within each file type or table, sorting the files or tables by beneficiary ID and service dates, then putting them together in order to assign the set of variables that are “First” to occur relative to the detox episode discharge date. Continuity services have to occur the day after discharge through day 7 or 14.

**Step 2A.2: Identify pharmacotherapy which may occur in multiple files or tables.** For example, one claims file or data source may contain injectables, another claims file or table data source may contain oral medications. Consequently, pharmacotherapy variables are created separately in each source, the data sources are then sorted by beneficiary ID and service dates, then multiple pharmacotherapy service, or UB revenue codes. Residential treatment is identified using the codes in the SUD Residential Treatment value set (Tab 3). If more than one discharge in a year, treat each discharge as a separate episode, e.g., an inpatient hospice discharge in January and a residential discharge in July counts as two episodes.

**Step 1B.1: Consolidate episodes:** Multiple inpatient or residential treatment claims that are up to 2 days apart should be combined into a single episode. To facilitate this consolidation, sort the inpatient, outpatient and ambulatory discharges from Beneficiary ID and service dates to ensure the discharges from these multiple data sources are in chronological order. Use all inpatient and residential treatment claims, regardless of diagnosis, to create episodes.

**Step 1C: Assign treatment location to episodes:** Use HCPCS, ICD-9/ICD-10 procedure or diagnosis codes, place of service, or UB revenue codes in the SUD Residential Treatment value set (Tab 3) and the SUD diagnosis value sets as noted in Step 1A to assign each episode as inpatient residential treatment, or a mix of both (also indicating the first setting of each episode and the last setting of each episode).

**Step 1D: Exclusions:** Exclude discharges that meet the exclusion criteria as specified in the “Denominator Exclusion Details” section.

- Exclude discharges for patients who receive hospice services during the measurement year.
- Exclude discharges after December 15 of the measurement year.
- Exclude discharges followed by admission or direct transfer to an inpatient or SUD residential treatment setting within the 7- or 14-day continuity of care period regardless of the principal diagnosis (with exception of admission to residential treatment following discharge from inpatient treatment).
- Exclude episodes that do not include at least one claim with primary diagnosis of SUD. The denominator for the 7- and 14-day continuity of care rates will differ because of the different exclusions based on transfer or admission to hospital or residential treatment for 7 versus 14 days. For example, a beneficiary admitted to a residential setting on day 10 after discharge will be excluded from the 7-day rate but not from the 14-day rate.

**Step 2: Identify numerator**
<table>
<thead>
<tr>
<th>3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence</th>
<th>0004 Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</th>
<th>3312 Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</th>
<th>3453 Continuity of care after inpatient or residential treatment for substance use disorder (SUD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>data sources are put together so they will be in chronological order to assign “First” variables. Pharmacotherapy services could be provided on the same day as the discharge from detox through day 7 or 14. <strong>Step 2A.3:</strong> Co-occurring events: Continuity service flags and pharmacotherapy flags are reset to zero if an overdose diagnosis code appears on the same claim as the continuity service. Further, outpatient continuity is also reset to zero if an emergency department visit occurs on the same day. If an inpatient continuity claim has an emergency department visit, it is allowed to remain a continuity service. <strong>Step 3:</strong> Calculate rate <strong>Step 3A:</strong> Calculate the overall 7- or 14-day continuity rates by dividing the number of discharges with a qualifying continuity service <strong>Step 2A</strong> by the denominator <strong>Step 1B</strong>. <strong>Step 3B:</strong> Calculate the rates separately for each detox location by dividing the respective number of discharges by each location with a qualifying continuity service <strong>Step 2A</strong> by the denominator <strong>Step 1C</strong>.</td>
<td>120752</td>
<td>141015</td>
<td></td>
</tr>
</tbody>
</table>
| **Step 2A:** From the denominator, identify discharges from inpatient or residential treatment for SUD with a principal diagnosis of SUD with qualifying continuity of care for SUD (principal or secondary diagnosis) within 7 or 14 days of discharge. **Step 2A.1:** Visits: Identify visits meeting continuity of care criteria using outpatient claims files or tables that contain diagnosis, procedure, or revenue codes, procedure code modifiers, or place of service codes. SUD diagnoses can be in any position – primary or secondary – for continuity services. Visits have to occur the day after discharge through day 7 or 14. We identify visits as: 1. Any procedure code or UB revenue code from “HEDIS IET Stand Alone Visits” value set (Tab 4); or 2. Any procedure code from “HEDIS IET Visits Group 1” value set (Tab 5) along with place of service from “HEDIS IET POS Group 1” value set (Tab 6); or 3. Any procedure code from “HEDIS IET Visits Group 2” value set (Tab 7) along with place of service from “HEDIS IET POS Group 2” value set (Tab 8). The claim must also have procedure code modifier that is missing or a value other than those in the “HEDIS Telehealth Modifier” value set (Tab 9). **Step 2A.2:** Telehealth: Identify visits for telehealth meeting continuity of care criteria using outpatient claims files or tables that contain diagnosis, procedure, or revenue codes, procedure code modifiers, or place of service codes. SUD diagnoses can be in any position – primary or secondary – for continuity services. Telehealth has to occur the day after discharge through day 7 or 14. We identify telehealth as: 1. Any procedure code from the “HEDIS Telephone Visit” value set (Tab 12); or 2. Any procedure code or UB revenue code from “HEDIS IET Stand Alone Visits” value set (Tab 4); or 3. Any procedure code from “HEDIS IET Visits Group 1” value set (Tab 5) along with place of service from “HEDIS IET POS Group 1” value set (Tab 6); or 4. Any procedure code from “HEDIS IET Visits Group 2” value set (Tab 7) along with place of service from “HEDIS IET POS Group 2” value set (Tab 8). Claims identified using logic in #2-4 must also have procedure code modifier from the “HEDIS Telehealth Modifier” value set (Tab 9). **Step 2A.3:** Identify pharmacotherapy events: Indications of pharmacotherapy can occur in outpatient or pharmacy files or tables that contain procedure
<table>
<thead>
<tr>
<th>Submission items</th>
<th>5.1 Identified measures: 0004 : Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</th>
<th>3312 : Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</th>
<th>3453 : Continuity of care after inpatient or residential treatment for substance use disorder (SUD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3488 : Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence</td>
<td>0004 : Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</td>
<td>3312 : Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td>3453 : Continuity of care after inpatient or residential treatment for substance use disorder (SUD)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>codes or NDCs. Pharmacotherapy events could be provided on the same day as the discharge through day 7 or 14. Pharmacotherapy continuity claims are identified as follows: 1. In OT file, a) any procedure code from &quot;HEDIS Medication Assisted Treatment&quot; value set (Tab 10); or b) any HCPCS procedure code from &quot;MAT Additional Codes&quot; value set (Tab 11) (developed as part of testing for NQF 3312); or c) any state-specific procedure code from &quot;MAT Additional Codes&quot; value set (Tab 11) for the two states listed in the value set (these codes were identified through consultation for these states). 2. In RX file, any NDC from &quot;AOD Pharmacotherapy&quot; value set (Tab 13). This value set contains NDCs identified as part of testing for NQF 3312 and 3400.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 3: Calculate rate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 3A: Calculate the overall 7- or 14-day continuity of care rate by dividing the number of discharges with evidence of a qualifying continuity of care visit or pharmacotherapy event (Step 2A) by the denominator (after exclusions) (Step 1D). Calculate the rates separately for each continuity of care time period.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 3B: Calculate the rates separately for each continuity of care time period. 120752</td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>2605 : Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact: The measure is harmonized with the existing NQF-endorsed measure. The following highlights the differences between the measures: Population focus (denominator): The measure targets patients discharged from the emergency department (not detoxification). Numerator: The measure captures follow-up with a primary alcohol or other drug dependence diagnosis.</td>
<td>Sa.1 If competing, why superior or rationale for additive value: N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>5a.1 Are specs completely harmonized?</td>
<td>5b.1 If competing, why superior or rationale for additive value: N/A</td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 If competing, why superior or rationale for additive value: N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>3400 : Follow-Up After Hospitalization for Mental Illness (FUH)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0576 : Follow-Up After Hospitalization for Schizophrenia (7- and 30-day)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2605 : Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 If competing, why superior or rationale for additive value:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>3312 : Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 If competing, why superior or rationale for additive value:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>0004 : Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2605 : Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 If competing, why superior or rationale for additive value:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Identified measures:</td>
<td>3312 : Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.1 Are specs completely harmonized?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sa.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measure Code</td>
<td>Measure Description</td>
<td>Measure Code</td>
<td>Measure Description</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------</td>
<td>-------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>3488</td>
<td>Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence</td>
<td>0004</td>
<td>Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</td>
</tr>
<tr>
<td>3312</td>
<td>Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3312</td>
<td>Continuity of care for Medicaid beneficiaries after detoxification (detox) from alcohol and/or drugs, which also focuses on a SUD population. NQF 0576, 1937, and 2605 all specify follow-up within 7 and 30 days. The populations for NQF 0576 and 1937 include patients with mental health related diagnoses rather than focusing on substance use disorders. NQF 2605 has a target mixed population of mental health and SUD patients. In measure testing, stakeholders expressed concern that 30 days is too long for SUD patients to wait for a continuity of care service after discharge from inpatient or residential care. Timelier follow-up with these patients is needed so as not to lose them. NQF 0004 is partially harmonized with the proposed measure in that the initiation visit is specified as within 14 days of the index episode start date (diagnosis). Diagnoses in the continuity of care visit. The proposed measure is harmonized with NQF 3312 and NQF 0004 by allowing SUD to either be the primary or a secondary diagnosis for treatment services that count toward continuity in the numerator. This is to address potential inaccuracies in how SUD diagnoses are coded. For example, some providers may be concerned about the stigma associated with an SUD diagnosis and therefore code it as a secondary diagnosis. Also, for adults with co-occurring mental health and SUD disorders, the assignment of primary and secondary diagnoses can be challenging and sometimes arbitrary. NQF 2605 does not allow a secondary SUD diagnosis. NQF 0576, NQF 1937, are not clear on whether only a primary diagnosis is allowed in the numerator. Services to include as continuity of care. The proposed measure includes pharmacotherapy and telehealth as services that count as continuity of care. NQF 2605, 0576, and 1937 do not include these services. Adding an SUD medication or telehealth claim as evidence of continuity of care is consistent with recent changes made to the 2018 HEDIS specification of NQF 0004 (National Committee on Quality Assurance, 2018). Practitioners valid for providing follow-up services. The proposed measure and NQF 2605 allow any practitioner to provide follow-up services, because of the expectation that the follow-up services captured in the measure may be provided by primary care clinicians. NQF 0576 and 1937 only allow non-mental health practitioners in specified settings and with specific diagnosis codes. Denominator: Diagnoses in denominator. The denominators for the proposed measure and all the related measures are harmonized in requiring a primary diagnosis for the condition that is</td>
<td>3453</td>
<td>Continuity of care after inpatient or residential treatment for substance use disorder (SUD)</td>
</tr>
</tbody>
</table>

Inaccuracies in how AOD diagnoses are coded. For example, some providers may be concerned about the stigma associated with an AOD diagnosis and therefore code it as a secondary diagnosis. Also, for adults with co-occurring mental health and AOD disorders, the assignment of primary and secondary diagnoses can be challenging and sometimes arbitrary. The differences in follow-up time period, location and diagnoses between NQF 2605 and our proposed measure (3312) do not impact the measure’s interpretability in which a higher rate is indicative of better quality. Both measures rely on administrative data. The differences in measure specifications between 2605 and 3312 are minor and expected to have minimal impact on data collection burden. 5b.1 If competing, why superior or rationale for additive value: Not applicable. There are no other NQF-endorsed measures that conceptually address the same measure focus and same target population. |
<table>
<thead>
<tr>
<th>Measure Code</th>
<th>Measure Title</th>
<th>Measure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3488</td>
<td>Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence</td>
<td>The proposed measure is intended for an adult Medicaid population. Similar to NQF 3312 and NQF 1937, it includes ages 18-64. The proposed measure excludes adults over 64 years, because complete data on services received by dually-eligible (Medicaid and Medicare) adults are not available in Medicaid data. NQF 2605 includes adults age 18 and older. NQF 0576 includes individuals age 6 and older and NQF 0004 includes age 13 and older. In terms of impact on interpretability, the proposed measure would have lower continuity rates than the measures that have a 30-day follow-up time period and higher continuity rates than the measures that only count non-mental health practitioners in certain settings and with certain diagnosis codes.</td>
</tr>
<tr>
<td>0004</td>
<td>Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment</td>
<td></td>
</tr>
<tr>
<td>3312</td>
<td>Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs</td>
<td></td>
</tr>
<tr>
<td>3453</td>
<td>Continuity of care after inpatient or residential treatment for substance use disorder (SUD)</td>
<td></td>
</tr>
</tbody>
</table>
### Comparison of NQF 3489 and 0576

<table>
<thead>
<tr>
<th>NQF 3489: Follow-Up After Emergency Department Visit for Mental Illness</th>
<th>NQF 0576: Follow-Up After Hospitalization for Mental Illness (FUH)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Steward</strong></td>
<td>National Committee for Quality Assurance</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>The percentage of emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm, who had a follow-up visit for mental illness. Two rates are reported: - The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). - The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Process</td>
</tr>
<tr>
<td><strong>Data Source</strong></td>
<td>Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set (HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system. No data collection instrument provided Attachment 3489_FUH_Value_Sets_Spring_2019.xlsx</td>
</tr>
<tr>
<td><strong>Level</strong></td>
<td>Health Plan</td>
</tr>
<tr>
<td><strong>Setting</strong></td>
<td>Outpatient Services</td>
</tr>
<tr>
<td><strong>Numerator Statement</strong></td>
<td>The numerator consists of two rates: - 30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). - 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).</td>
</tr>
<tr>
<td><strong>Numerator Details</strong></td>
<td>30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). Any of the following meet criteria for a follow-up visit: - An outpatient visit (Visit Setting Unspecified Value Set with Outpatient PDS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set). - An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set). - An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization PDS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set). - An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
</tr>
<tr>
<td><strong>Mental Health Practitioner Definition</strong></td>
<td>A mental health practitioner is defined as: - An MD or doctor of osteopathy (DO) who is certified as a psychiatrist or child psychiatrist by the American Medical Specialties Board of Psychiatry and Neurology or by the American Osteopathic Board of Neurology and Psychiatry; or, if not certified, who successfully completed an accredited program of graduate medical or osteopathic education in psychiatry or child psychiatry and is licensed to practice patient care psychiatry or child psychiatry, if required by the state of practice. - An individual who is licensed as a psychologist in his/her state of practice, if required by the state of practice. - An individual who is licensed as a psychologist in his/her state of practice, if required by the state of practice.</td>
</tr>
<tr>
<td>3489: Follow-Up After Emergency Department Visit for Mental Illness</td>
<td>0576: Follow-Up After Hospitalization for Mental Illness (FUH)</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td>In psychiatric/mental health and two years of supervised clinical experience and is licensed to practice as a psychiatric or mental health nurse, if required by the state of practice.</td>
</tr>
<tr>
<td>- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td>• An individual (normally with a master's or a doctoral degree in marital and family therapy and at least two years of supervised clinical experience) who is practicing as a marital and family therapist and is licensed or a certified counselor by the state of practice, or if licensure or certification is not required by the state of practice, who is eligible for clinical membership in the American Association for Marriage and Family Therapy.</td>
</tr>
<tr>
<td>- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Any of the following meet criteria for a follow-up visit:</td>
<td>• An individual (normally with a master's or doctoral degree in counseling and at least two years of supervised clinical experience) who is practicing as a professional counselor and who is licensed or certified to do so by the state of practice, or if licensure or certification is not required by the state of practice, is a National Certified Counselor with a Specialty Certification in Clinical Mental Health Counseling from the National Board for Certified Counselors (NBCC).</td>
</tr>
<tr>
<td>- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td></td>
</tr>
<tr>
<td>- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td></td>
</tr>
<tr>
<td>- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td></td>
</tr>
<tr>
<td>- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td></td>
</tr>
<tr>
<td>- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td></td>
</tr>
<tr>
<td>- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td></td>
</tr>
<tr>
<td>- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Any of the following meet criteria for a follow-up visit:</td>
<td></td>
</tr>
<tr>
<td>- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td></td>
</tr>
<tr>
<td>- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Any of the following meet criteria for a follow-up visit:</td>
<td></td>
</tr>
<tr>
<td>Denominator Statement</td>
<td>Denominator Details</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm on or between January 1 and December 1 of the measurement year.</td>
<td>Age: 6 years and older as of the date of the ED visit</td>
</tr>
<tr>
<td>An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td>Benefit: Medical and mental health.</td>
</tr>
<tr>
<td>Acute inpatient discharge with a principal diagnosis of mental illness (Mental Illness Value Set) on or between January 1 and December 1 of the measurement year.</td>
<td>Continuous Enrollment: Date of emergency department visit through 30 days the ED visit.</td>
</tr>
<tr>
<td>An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td>Event/diagnosis criteria: An ED visit (ED Value Set) with a principal diagnosis of mental illness or intentional self-harm (Mental Illness Value Set; Intentional Self-Harm Value Set) on or between January 1 and December 1 of the measurement year where the member was 6 years or older on the date of the visit.</td>
</tr>
<tr>
<td>Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td>The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.</td>
</tr>
<tr>
<td>A telehealth visit (Visit Setting Unspecified Value Set with Telehealth Modifier Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).</td>
<td>If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1 then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.</td>
</tr>
<tr>
<td>An outpatient visit (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).</td>
<td>Exclude ED visits that result in an inpatient stay and ED visits followed by admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit (31 total days), regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting:</td>
</tr>
</tbody>
</table>

*Due to the extensive volume of codes associated with identifying the denominator for this measure, we are attaching a separate file with value sets. See value sets located in question S.2b.*
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay.
These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

Exclusions

Patients in hospice.

Exclusions Details

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

Risk Adjustment

No risk adjustment or risk stratification

Type Score

Rate/proportion better quality = higher score

Algorithm

Step 1: Determine the eligible population.
Step 1A: Identify patients with who were treated and discharged from an emergency department with a primary diagnosis of mental health. Do not include ED visits that result in an inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit.
Step 2: Identify the numerator.
Step 2A: Identify those who had a qualifying follow-up visit within 7 days.
Step 2B: Identify those who had a qualifying follow-up visit within 30 days.
Step 3: Calculate the rates.

Step 1. Determine the denominator. The denominator is all discharges that meet the specified denominator criteria (S7).
Step 2. Remove exclusions. Remove all discharges from the denominator that meet the specified exclusion criteria (S9).
Step 3. Identify numerator events: Search administrative systems to identify numerator events for all discharges in the denominator (S5).
Step 4. Calculate the rate by dividing the events in step 3 by the discharges in step 2: 123834| 140881

Exclusion Details

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

Exclude both the initial discharge and the readmission/direct transfer discharge if the last discharge occurs after December 1 of the measurement year.

Exclude discharges followed by readmission or direct transfer to an acute inpatient care setting within the 30-day follow-up period if the principal diagnosis was for non-mental health (any principal diagnosis code other than those included in the Mental Health Diagnosis Value Set). To identify readmissions to an acute inpatient care setting:
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Exclude nonacute inpatient stays (Nonacute Inpatient Stay Value Set).
3. Identify the admission date for the stay.
These discharges are excluded from the measure because rehospitalization or transfer may prevent an outpatient follow-up visit from taking place.

- See corresponding Excel document for the Value Sets referenced above in S.2b.
### 3489: Follow-Up After Emergency Department Visit for Mental Illness

- **Step 3A:** Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up visit within 7 days (Step 2A) by the denominator (Step 1A).
- **Step 3B:** Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up visit within 30 days (Step 2B) by the denominator (Step 1A).

### 0576: Follow-Up After Hospitalization for Mental Illness (FUH)

<table>
<thead>
<tr>
<th>Submission items</th>
<th>5.1 Identified measures: 0576: Follow-Up After Hospitalization for Mental Illness (FUH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5a.1 Are specs completely harmonized?</td>
<td>Yes</td>
</tr>
<tr>
<td>5a.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td>The measure is harmonized with the existing NQF-endorsed measure. The following highlights the differences between the measures: Population focus (denominator): The measure targets patients discharged from the emergency department (not inpatient). Numerator: The measure captures follow-up with a primary mental health diagnosis (regardless of the type of provider).</td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>5.1 Identified measures:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5a.1 Are specs completely harmonized?</td>
<td>No</td>
</tr>
<tr>
<td>5a.2 If not completely harmonized, identify difference, rationale, impact:</td>
<td>N/A</td>
</tr>
<tr>
<td>5b.1 If competing, why superior or rationale for additive value:</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Appendix E2: Related and Competing Measures (narrative format)

Comparison of NQF 0560, 1879, 2801, 3205

0560 HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia
2801 Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
3205 Medication Continuation Following Inpatient Psychiatric Discharge

Steward

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
The Joint Commission

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Centers for Medicare and Medicaid Services

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
National Committee for Quality Assurance

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Centers for Medicare & Medicaid Services

Description

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
The proportion of patients, age greater than and equal to 1 year, discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Percentage of individuals at least 18 years of age as of the beginning of the measurement period with schizophrenia or schizoaffective disorder who had at least two prescription drug claims for antipsychotic medications and had a Proportion of Days Covered (PDC) of at least 0.8 for antipsychotic medications during the measurement period (12 consecutive months).

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Percentage of children and adolescents 1–17 years of age with a new prescription for an antipsychotic, but no indication for antipsychotics, who had documentation of psychosocial care as first-line treatment.

3205: Medication Continuation Following Inpatient Psychiatric Discharge
This measure assesses whether psychiatric patients admitted to an inpatient psychiatric facility (IPF) for major depressive disorder (MDD), schizophrenia, or bipolar disorder filled a prescription for evidence-based medication within 2 days prior to discharge and 30 days post-discharge. The performance period for the measure is two years.
Type

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification  
Process

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia  
Process

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics  
Process

3205: Medication Continuation Following Inpatient Psychiatric Discharge  
Process

Data Source

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification  
Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.  
No data collection instrument provided Attachment HBIPS_Code_Tables_Med_636794264289743033.xlsx

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia  
Claims The data source for the measure calculation required the following Medicare files depending on the level of accountability where the measure is being used:  
• Denominator tables to determine individual enrollment  
• Prescription drug benefit (Part D) coverage tables  
• Beneficiary file  
• Institutional claims (Part A)  
• Non-institutional claims (Part B)—physician carrier/non-DME (durable medical equipment)  
• Prescription drug benefit (Part D) claims  
• Centers for Medicare and Medicaid Services (CMS) physician and physician specialty tables  
• National Plan and Provider Enumeration System (NPPES) database  
No data collection instrument provided Attachment NQF_1879_Code_Tables_2018_Final.xlsx

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics  
Claims This measure is part of the Healthcare Effectiveness Data and Information Set (HEDIS). As part of HEDIS, the measure pulls from administrative claims collected in the course of providing care to health plan members. NCQA collects the HEDIS data for this
measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system. The measure has also been tested at the state level and could be reported by states if added to a relevant program.

No data collection instrument provided Attachment 2801_APP_Value_Sets.xlsx

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Claims Medicare administrative data from Parts A, B, and D claims.
No data collection instrument provided Attachment Med_Continuation_Data_Dictionary_180816.xlsx

Level

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
Facility, Other

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Clinician : Group/Practice, Health Plan, Population : Regional and State

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Health Plan, Integrated Delivery System, Population : Regional and State

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Facility

Setting

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
Inpatient/Hospital

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Outpatient Services

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Inpatient/Hospital, Outpatient Services

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Inpatient/Hospital

Numerator Statement

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
Psychiatric inpatients discharged on two or more routinely scheduled antipsychotic medications with appropriate justification.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Individuals with schizophrenia or schizoaffective disorder who had at least two prescription drug claims for antipsychotic medications and have a PDC of at least 0.8 for antipsychotic medications.
2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Children and adolescents from the denominator who had psychosocial care as first-line treatment prior to (or immediately following) a new prescription of an antipsychotic.

3205: Medication Continuation Following Inpatient Psychiatric Discharge
The numerator for this measure includes:
1. Discharges with a principal diagnosis of MDD in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge
2. Discharges with a principal diagnosis of schizophrenia in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge
3. Discharges with a principal diagnosis of bipolar disorder in the denominator population for which patients were dispensed evidence-based outpatient medication within 2 days prior to discharge through 30 days post-discharge

Numerator Details

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
One data element is used to calculate the numerator:
Appropriate Justification for Multiple Antipsychotic Medications - Documentation in the medical record of appropriate justification for discharging the patient on two or more routine antipsychotic medications. Allowable values: 1. The medical record contains documentation of a history of a minimum of three failed multiple trials of monotherapy. 2. The medical record contains documentation of a recommended plan to taper to monotherapy due to previous use of multiple antipsychotic medications OR documentation of a cross-taper in progress at the time of discharge. 3. The medical record contains documentation of augmentation of Clozapine. 4. The medical record contains documentation of a justification other than those listed in Allowable Values 1-3. 5. The medical record does not contain documentation supporting the reason for being discharged on two or more antipsychotic medications OR unable to determine from medical record documentation.

Patients are eligible for the numerator population when they are discharged on two or more routinely scheduled antipsychotic medications with appropriate justification.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
The numerator is defined as individuals with a PDC of 0.8 or greater.
The PDC is calculated as follows:
PDC NUMERATOR
The PDC numerator is the sum of the days covered by the days’ supply of all prescription drug claims for all antipsychotic medications. The period covered by the PDC starts on the day the first prescription is filled (index date) and lasts through the end of the measurement period, or death, whichever comes first. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period. If there are claims for the same drug (generic name) on the same date of service, keep the claim
with the largest days’ supply. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.

**PDC DENOMINATOR**

The PDC denominator is the number of days from the first prescription drug claim date through the end of the measurement period, or death date, whichever comes first.

**2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics**

The Psychosocial Care Value Set contains claims codes for behavioral health acute inpatient and outpatient encounters, including psychotherapy for patients, families, and/or groups; psychophysiological therapy; hypnotherapy; activity therapy, such as music, dance, or art; training and educational services related to the care and treatment of mental health issues; community and rehabilitations programs; and crisis interventions. These services align with a recent Institute of Medicine (IOM) report*, which defined psychosocial interventions for mental health and substance use disorders as “interpersonal or informational activities, techniques, or strategies that target biological, behavioral, cognitive, emotional, interpersonal, social, or environmental factors with the aim of reducing symptoms of these disorders and improving functioning or well-being.” The IOM notes these interventions include psychotherapies, vocational rehabilitation and peer support services, and that they can utilize different formats, including individual, family, or group therapy.

**DEFINITIONS**

**IPSD:** The earliest prescription dispensing date for an antipsychotic medication where the date is in the Intake Period and there is a Negative Medication History.

**Negative Medication History:** A period of 120 days (4 months) prior to the IPSD when the member had no antipsychotic medications dispensed for either new or refill prescriptions.


**3205: Medication Continuation Following Inpatient Psychiatric Discharge**

The following are the evidence-based medications by class for the treatment of MDD, schizophrenia, and bipolar disorder. The route of administration includes all oral formulations and the long-acting (depot) injectable of the medications listed in this section, except where noted. Active ingredients for the oral medications listed are limited to oral, buccal, sublingual, and translingual formulations only. Obsolete drug products are excluded from NDCs with an inactive date more than three years prior to the beginning of the measurement period.

**MEDICATIONS FOR TREATMENT OF MDD**

**Monoamine Oxidase Inhibitors**
- isocarboxazid
- phenelzine
- selegiline (transdermal patch)
- tranylcypromine

**Selective Serotonin Reuptake Inhibitors (SSRI)**
-citalopram
-escitalopram
-fluoxetine
-fluvoxamine
-paroxetine
-sertraline
Serotonin Modulators
-nefazodone
-trazodone
-vilazodone
-vortioxetine
Serotonin Norepinephrine Reuptake Inhibitors (SNRI)
-desvenlafaxine
-duloxetine
-levomilnacipran
-venlafaxine
Tricyclic and Tetracyclic Antidepressants
-amitriptyline
-amoxapine
-clomipramine
-desipramine
-doxepin
-imipramine
-maprotiline
-nortriptyline
-protriptyline
-trimipramine
Other Antidepressants
-bupropion
-mirtazapine
Psychotherapeutic Combinations
-amitriptyline-chlordiazepoxide
-amitriptyline-perphenazine
-fluoxetine-olanzapine
MEDICATIONS FOR TREATMENT OF SCHIZOPHRENIA
First-generation Antipsychotics
-chlorpromazine
-fluphenazine
-haloperidol
-haloperidol lactate
-loxapine succinate
-molindone
-perphenazine
-pimozide
-prochlorperazine
-thioridazine
-thiothixene
-trifluoperazine

Second-generation (Atypical) Antipsychotics
-aripiprazole
-asenapine
-brexiprazole
-cariprazine
-clozapine
-iloperidone
-lurasidone
-olanzapine
-paliperidone
-quetiapine
-risperidone
-ziprasidone

Psychotherapeutic Combinations
-amitriptyline-perphenazine
-fluoxetine-olanzapine

Long-Acting (Depot) Injectable Antipsychotics
-fluphenazine decanoate
-haloperidol decanoate
-aripiprazole
-aripiprazole lauroxil
-olanzapine pamoate
-paliperidone palmitate (1-month extended-release injection)
-paliperidone palmitate (3-month extended-release injection)
-risperidone microspheres

MEDICATIONS FOR TREATMENT OF BIPOLAR DISORDER
Anticonvulsants
-carbamazepine
-divalproex sodium
-lamotrigine
-valproic acid
First-generation Antipsychotics
- chlorpromazine
- fluphenazine
- haloperidol
- haloperidol lactate
- loxapine succinate
- molindone
- perphenazine
- pimozide
- prochlorperazine
- thioridazine
- thiothixene
- trifluoperazine
Second-generation (Atypical) Antipsychotics
- aripiprazole
- asenapine
- brexpiprazole
- cariprazine
- clozapine
- iloperidone
- lurasidone
- olanzapine
- paliperidone
- quetiapine
- risperidone
- ziprasidone
Lithium Salts
- lithium
- lithium carbonate
- lithium citrate
Psychotherapeutic Combinations
- fluoxetine-olanzapine
Long-acting (depot) Injectable Antipsychotics
- fluphenazine decanoate
- haloperidol decanoate
- aripiprazole
- aripiprazole lauroxil
- olanzapine pamoate
-paliperidone palmitate (1-month extended-release injection)
-paliperidone palmitate (3-month extended-release injection)
-risperidone microspheres

**Denominator Statement**

**0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification**
Psychiatric inpatient discharges

**1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia**
Individuals at least 18 years of age as of the beginning of the measurement period with schizophrenia or schizoaffective disorder and at least two prescription drug claims for antipsychotic medications during the measurement period (12 consecutive months).

**2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics**
Children and adolescents who had a new prescription of an antipsychotic medication for which they do not have a U.S Food and Drug Administration primary indication.

**3205: Medication Continuation Following Inpatient Psychiatric Discharge**
The target population for this measure is Medicare fee-for-service (FFS) beneficiaries with Part D coverage aged 18 years and older discharged from an inpatient psychiatric facility with a principal diagnosis of MDD, schizophrenia, or bipolar disorder.

**Denominator Details**

**0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification**
Included populations:
Patients with ICD-10-CM Principal or Other Diagnosis Codes for Mental Disorders as defined in Appendix A, Table 10.01 (See S.2b.) discharged on two or more routinely scheduled antipsychotic medications (refer to Appendix C, Table 10.0- Antipsychotic Medications).

Nine data elements are used to calculate the denominator:
1. Admission Date - The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Discharge Date – The month day and year the patient was discharged from acute care, left against medical advice or expired during the stay.
5. ICD-10-CM Other Diagnosis Codes- The other or secondary (ICD-10-CM) codes associated with the diagnosis for this hospitalization.
6. ICD-10-CM Principal Diagnosis Code- The ICD-10-CM diagnosis code that is primarily responsible for the admission of the patient to the hospital for care during this hospitalization.
7. Number of Antipsychotic Medications Prescribed at Discharge - The number of routinely scheduled antipsychotic medications prescribed to the patient at discharge as documented in the medical record. Allowable values: 0-99, UTD (Unable to determine)

8. Patient Status at Discharge - Documentation in the medical record of the patient’s status at the time the patient left the hospital-based inpatient psychiatric care setting. Allowable values: 1 The medical record contains documentation that the patient was discharged from the inpatient psychiatric care setting under these circumstances:
   • Patient is leaving the psychiatric unit within the acute care hospital AND the hospital facility completely.
   • Patient is leaving the freestanding inpatient psychiatric facility completely.
2 The medical record contains documentation of one of the following:
   • The patient eloped and was discharged
   • The patient failed to return from leave and was discharged
   • The patient has not yet been discharged from the hospital
   • The patient was transferred/discharged from the inpatient psychiatric unit in an acute care setting to another level of care, (i.e. medical unit), and subsequently discharged from that level of care
3 Unable to determine from medical record documentation.

9. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.

Populations: Discharges with Table 10.01 Mental Disorders in the Psychiatric Care Setting who were discharged on two or more routinely scheduled antipsychotic medications on Table 10.0.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia

Target population meets the following conditions:
1. Continuously enrolled in Medicare Part D with no more than a one-month gap in enrollment during the measurement period;
2. Continuously enrolled in Medicare Part A and Part B with no more than a one-month gap in Part A enrollment and no more than a one-month gap in Part B enrollment during the measurement period; and,
3. No more than one month of HMO (Health Maintenance Organization) enrollment during the measurement period.

IDENTIFICATION OF SCHIZOPHRENIA

Individuals with schizophrenia or schizoaffective disorder are identified by having a diagnosis of schizophrenia within the inpatient or outpatient claims data. Individuals must have:

At least two encounters with a diagnosis of schizophrenia or schizoaffective disorder with different dates of service in an outpatient setting, emergency department setting, or non-acute inpatient setting during the measurement period;

OR
At least one encounter with a diagnosis of schizophrenia or schizoaffective disorder in an acute inpatient setting during the measurement period.

CODES USED TO IDENTIFY SCHIZOPHRENIA OR SCHIZOAFFECTIVE DISORDER DIAGNOSIS

Codes used to identify schizophrenia or schizoaffective disorder are included in the attached excel worksheet of codes (NQF_1879_Code Tables_2018_Final.xlsx) under the tab NQF_1879_Schizophrenia.

Table 1: Schizophrenia or Schizoaffective Disorder Diagnosis

ICD-9-CM: 295.xx

CODES USED TO IDENTIFY ENCOUNTER TYPE:

Codes used to identify encounters are under tab NQF_1879_Encounter_types.

Table 2.1: Outpatient Setting


UB-92 revenue: 0510, 0511, 0513, 0516-0517, 0519-0523, 0526-0529, 0770, 0771, 0779, 0900-0905, 0907, 0911-0917, 0919, 0982, 0983

OR

CPT: 90791, 90792, 90832-90834, 90836-90840, 90845, 90847, 90849, 90853, 90863, 90867-90870, 90875, 90876, 90880, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99291

WITH

Place of Service (POS): 03, 05, 07, 09, 11, 12, 13, 14, 15, 20, 22, 24, 33, 49, 50, 52, 53, 71, 72

Table 2.2: Emergency Department Setting

CPT: 99281-99285

UB-92 revenue: 0450, 0451, 0452, 0456, 0459, 0981

OR

CPT: 90791, 90792, 90832-90834, 90836-90840, 90845, 90847, 90849, 90853, 90863, 90867-90870, 90875, 90876, 99291

WITH

POS: 23

Table 2.3: Non-Acute Inpatient Setting

CPT: 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337

HCPCS: H0017-H0019, T2048

UB-92 revenue: 0118, 0128, 0138, 0148, 0158, 0159-0194, 0199, 0524, 0525, 0550-0552, 0559, 0660-0663, 0669, 1000, 1001, 1003-1005

OR
CPT: 90791, 90792, 90832-90834, 90836-90840, 90845, 90847, 90849, 90853, 90863, 
90867-90870, 90875, 90876, 99291
WITH
POS: 31, 32, 56

Table 2.4: Acute Inpatient Setting
UB-92 revenue: 0100, 0101, 0110-0114, 0119-0124, 0129-0134, 0139-0144, 0149-0154, 
0159, 0160, 0164, 0167, 0169, 0200-0204, 0206-0209, 0210-0214, 0219, 0720-0724, 0729, 
0987
OR
CPT: 90791, 90792, 90832-90834, 90836-90840, 90845, 90847, 90849, 90853, 90863, 
90867-90870, 90875, 90876, 99291
WITH
POS: 21, 51

IDENTIFICATION OF PRESCRIPTION DRUG CLAIMS FOR ANTIPSYCHOTIC MEDICATION:
Individuals with at least two prescription drug claims for any of the following oral 
antipsychotic medications (Table 3: Oral Antipsychotic Medications) or long-acting 
injectable antipsychotic medications (see Table 4: Long-acting injectable antipsychotic 
medications). The National Drug Center (NDC) identifier for medications included in the 
measure denominator are listed in tab NQF_1879_Antipsychotics of the attached excel 
workbook. Obsolete drug products are excluded from National Drug Codes (NDCs) with an 
inactive date more than six years prior to the beginning of the measurement period or 
look-back period.

TABLE 3: ORAL ANTIPSYCHOTIC MEDICATIONS
The following are oral formulations only.
Typical Antipsychotic Medications:
chlorpromazine
fluphenazine
haloperidol
loxapine
molindone
perphenazine
prochlorperazine
thioridazine
thiothixene
trifluoperazine
Atypical Antipsychotic Medications:
aripiprazole
asenapine
brexpiprazole
cariprazine
clozapine
iloperidone
lurasidone
olanzapine
paliperidone
quetiapine
quetiapine fumarate (Seroquel)
risperidone
ziprasidone

Antipsychotic Combinations:
perphenazine-amitriptyline

**TABLE 4: LONG-ACTING INJECTABLE ANTIPSYCHOTIC MEDICATIONS**

The following are the long-acting (depot) injectable antipsychotic medications by class for the denominator. The route of administration includes all injectable and intramuscular formulations of the medications listed below.

Typical Antipsychotic Medications:
fluphenazine decanoate (J2680)
haloperidol decanoate (J1631)

Atypical Antipsychotic Medications:
aripiprazole (J0401)
aripiprazole lauroxil (Aristada)
olanzapine pamoate (J2358)
paliperidone palmitate (J2426)
risperidone microspheres (J2794)

Note: Since the days’ supply variable is not reliable for long-acting injections in administrative data, the days’ supply is imputed as listed below for the long-acting (depot) injectable antipsychotic medications billed under Medicare Part D and Part B:

- fluphenazine decanoate (J2680) – 28 days’ supply
- haloperidol decanoate (J1631) – 28 days’ supply
- aripiprazole (J0401) – 28 days’ supply
- aripiprazole lauroxil (Aristada) - 28 days’ supply
- olanzapine pamoate (J2358) – 28 days’ supply
- paliperidone palmitate (J2426) – 28 days’ supply
- risperidone microspheres (J2794) – 14 days’ supply

**2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics**

Exclude children and adolescents in hospice.

Children and adolescents age 1-17 as of December 31 of the measurement year (January 1 – December 31) who had a new prescription for an antipsychotic medication (antipsychotic Medications List; Antipsychotic Combination Medications List) during the intake period (January 1 through December 1 of the measurement year).
Miscellaneous antipsychotic agents: Aripiprazole; Asenapine; Brexpiprazole; Cariprazine; Clozapine; Haloperidol; Iloperidone; Loxapine; Lurisadone; Molindone; Olanzapine; Paliperidone; Pimozide; Quetiapine; Quetiapine fumarate; Risperidone; Ziprasidone
Phenothiazine antipsychotics: Cholpromazine; Fluphenazine; Perphenazine; Prochlorperazine; Thioridazine; Trifluoperazine
Thioxanthenes: Thiothixene
Long-acting injections: Aripiprazole; Fluphenazine decanoate; Haloperidol Decanoate; Olanzapine; Paliperidone palmitate; Risperidone
Antipsychotic Combinations Medications List
Psychotherapeutic combinations: Fluoxetine-olanzapine; Perphenazine-amitriptyline

3205: Medication Continuation Following Inpatient Psychiatric Discharge
The denominator for this measure includes patients discharged from an IPF:
1. With a principal diagnosis of MDD, schizophrenia, or bipolar disorder (ICD codes provided below).
2. 18 years of age or older at admission.
3. Enrolled in Medicare fee-for-service Part A and Part B during the index admission and Parts A, B, and D at least 30-days post-discharge.
4. Alive at discharge and alive during the follow-up period.
5. With a discharge status code indicating that they were discharged to home or home health care.
ICD-10-CM codes to identify MDD, schizophrenia, and bipolar disorder:
MDD
F32.0, F32.1, F32.2, F32.3, F32.4, F32.9, F33.0, F33.1, F33.2, F33.3, F33.40, F33.41, F33.9
Schizophrenia
Bipolar disorder

Exclusions
0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
• Patients who expired
• Patients with an unplanned departure resulting in discharge due to elopement
• Patients with an unplanned departure resulting in discharge due to failing to return from leave
• Patients with a length of stay less than or equal to 3 days

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Individuals with any diagnosis of dementia during the measurement period.
2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Patients in hospice.
Exclude children and adolescents with a diagnosis of a condition for which antipsychotic medications have a U.S. Food and Drug Administration indication and are thus clinically appropriate: schizophrenia, bipolar disorder, psychotic disorder, autism, tic disorders.

3205: Medication Continuation Following Inpatient Psychiatric Discharge
The denominator for this measure excludes discharged patients who:
1. Received ECT during the inpatient stay or follow-up period.
2. Received TMS during the inpatient stay or follow-up period.
3. Were pregnant during the inpatient stay.
5. Had a principal diagnosis of schizophrenia with a secondary diagnosis of dementia.

Exclusion Details

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
• Patients who expired are identified by the data element Discharge Disposition.
• Patients with an unplanned departure resulting in discharge due to elopement, failing to return from leave are identified by the data element Patient Status at Discharge.
• Length of stay (LOS) in days is equal to the Discharge Date minus the Admission Date. If the LOS is equal to or less than 3 days the patient is excluded.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Individuals with any diagnosis of dementia are identified with the diagnosis codes listed below tab NQF_1879_Dementia
Table 5: Codes Used to Identify Dementia
ICD-9-CM: 290.0, 290.10, 290.11, 290.12, 290.13, 290.20, 290.21, 290.3, 290.40, 290.41, 290.42, 290.43, 290.8, 290.9, 291.2, 292.82, 294.10, 294.11, 294.20, 294.21, 330.1, 331.0, 331.19, 331.82
ICD-10-CM: E75.00, E75.01, E75.02, E75.09, E75.10, E75.11, E75.19, E75.4, F01.50, F01.51, F02.80, F02.81, F03.90, F03.91, F05, F10.27, F11.122, F13.27, F13.97, F18.17, F18.27, F18.97, F19.17, F19.27, F19.97, G30.0, G30.1, G30.8, G30.9, G31.09, G31.83

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).
Exclude children and adolescents for whom first-line antipsychotic medications may be clinically appropriate. Any of the following during the measurement year (January 1 – December 31) meet criteria:
Children and adolescents who have at least one acute inpatient encounter with a diagnosis of schizophrenia, bipolar disorder or other psychotic disorder during the measurement year. Any of the following code combinations meet criteria:
- BH Stand Alone Acute Inpatient Value Set with Schizophrenia Value Set.
- BH Stand Alone Acute Inpatient Value Set with Bipolar Disorder Value Set.
- BH Stand Alone Acute Inpatient Value Set with Other Psychotic Disorders Value Set.
- BH Acute Inpatient Value Set with BH Acute Inpatient POS Value Set with Schizophrenia Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - BH Acute Inpatient Value Set with BH Acute Inpatient POS Value Set with Bipolar Disorder Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - BH Acute Inpatient Value Set with BH Acute Inpatient POS Value Set with Other Psychotic Disorders Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - BH Acute Inpatient Value Set with Telehealth POS Value Set with Schizophrenia Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - BH Acute Inpatient Value Set with Telehealth POS Value Set with Bipolar Disorder Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - BH Acute Inpatient Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).

- At least two
  Children and adolescents who have at least two visits in an outpatient, intensive outpatient or partial hospitalization setting, on different dates of service, with a diagnosis of schizophrenia, bipolar disorder or other psychotic disorder during the measurement year. Any of the following code combinations with or without a telehealth modifier (Telehealth Modifier Value Set), meet criteria:

  - BH Stand Alone Outpatient/PH/IOP Value Set with Schizophrenia Value Set.
  - BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Schizophrenia Value Set.
  - BH Stand Alone Outpatient/PH/IOP Value Set with Bipolar Disorder Value Set.
  - BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Bipolar Disorder Value Set.
  - BH Stand Alone Outpatient/PH/IOP Value Set with Other Psychotic Disorders Value Set.
  - BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set with Other Psychotic Disorders Value Set.
  - BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Schizophrenia Value Set.
  - BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Bipolar Disorder Value Set.
Disorder Value Set.
-BH Outpatient/PH/IOP Value Set with Telehealth POS Value Set with Other Psychotic Disorders Value Set.
See attachment for all value sets (S.2b).

3205: Medication Continuation Following Inpatient Psychiatric Discharge
1. ECT During Inpatient Stay or Follow-Up Period
   Rationale: Some patients who receive ECT during the inpatient stay or follow-up period may have failed pharmacotherapy and would not fill an evidence-based prescription post-discharge.
   Source: Identified from Part A and Part B claims data if treatment occurred on a date between the admission date and 30 days post-discharge.
2. TMS During Inpatient Stay or Follow-Up Period
   Rationale: Some patients who receive TMS during the inpatient stay or follow-up period may have failed pharmacotherapy and would not fill an evidence-based prescription post-discharge.
   Source: Identified from Part A and Part B claims data if treatment occurred on a date between the admission date and 30 days post-discharge.
3. Pregnant During Inpatient Stay
   Rationale: Some of the evidence-based medications for the treatment of MDD, schizophrenia, and bipolar disorder are contraindicated during pregnancy.
   Source: Identified from Part A claims data from the index admission.
4. Secondary Diagnosis of Delirium
   Rationale: Some of the evidence-based medications for the treatment of MDD, schizophrenia, and bipolar disorder are contraindicated for patients with delirium.
   Source: Identified from Part A claims data from the index admission.
5. Principal Diagnosis of Schizophrenia with Secondary Diagnosis of Dementia
   Rationale: APA Practice guidelines suggest caution in the use of antipsychotics in dementia patients so not all dementia patients would fill an evidence-based medication (antipsychotic) following discharge for schizophrenia.
   Source: Identified from Part A claims data from the index admission.

Risk Adjustment

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
No risk adjustment or risk stratification

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
No risk adjustment or risk stratification

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
No risk adjustment or risk stratification

3205: Medication Continuation Following Inpatient Psychiatric Discharge
No risk adjustment or risk stratification
Stratification

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
The measure is stratified by the following age groups:
• Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
• Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
• Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
• Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Depending on the operational use of the measure, measure results can be stratified by:
• State
• Physician Group*
• Age – Divided into six categories: 18-24, 25-44, 45-64, 65-74, 75-84, and 85+ years
• Race/Ethnicity
• Dual Eligibility
*See Calculation Algorithm/Measure Logic S.14 below for physician group attribution methodology used for this measure.

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Report three age stratifications and a total rate:
1–5 years.
6–11 years.
12–17 years.
Total (sum of the age stratifications).

3205: Medication Continuation Following Inpatient Psychiatric Discharge
The measure is not stratified.

Type Score

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification
Rate/proportion better quality = higher score

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Rate/proportion better quality = higher score

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Rate/proportion better quality = higher score

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Rate/proportion better quality = higher score
Algorithm

0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification

1. Run cases that are included in the Initial Patient Population for HBIPS-1,5 and pass the edits defined in the Transmission Data Processing Flow: Clinical through this measure.

2. Calculate Length of Stay. Length of Stay, in days, is equal to the Discharge Date minus the Admission Date.

3. Check Length of Stay
   a. If Length of Stay is less than or equal 3 days, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.
   b. If Length of Stay is greater than 3 days, continue processing and proceed to Discharge Status.

4. Check Discharge Disposition
   a. If Discharge Disposition is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and Initialize the Measure Category Assignment for each strata measure.
   b. If Discharge Disposition equals 6, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.
   C. Discharge Disposition equals 1, 2, 3, 4, 5, 7, or 8, continue processing and proceed to Psychiatric Care Setting.

5. Check Psychiatric Care Setting
   a. If Psychiatric Care Setting equals No, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.
   b. If Psychiatric Care Setting is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and Initialize the Measure Category Assignment for each strata measure.
   c. If Psychiatric Care Setting equals Yes, the case will proceed to Patient Status at Discharge.

6. Check Patient Status at Discharge
   a. If Patient Status at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and Initialize the Measure Category Assignment for each strata measure.
   b. If Patient Status at Discharge equals 2, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population.
Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

c. If Patient Status at Discharge equals 1 or 3, the case will continue processing and proceed to Number of Antipsychotic Medications Prescribed at Discharge.

7. Check Number of Antipsychotic Medications Prescribed at Discharge

a. If Number of Antipsychotic Medications Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and Initialize the Measure Category Assignment for each strata measure.

b. If Number of Antipsychotic Medications Prescribed at Discharge is less than or equal 1, the case will proceed to a Measure Category Assignment of B for Overall Rate (HBIPS-5a) and will not be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

c. If Number of Antipsychotic Medications Prescribed at Discharge is greater than or equal 2 or equal UTD, the case will continue processing and proceed to Number of Antipsychotic Medications Prescribed at Discharge.

8. Check Number of Antipsychotic Medications Prescribed at Discharge

a. If Number of Antipsychotic Medications Prescribed at Discharge equals UTD, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-5a) and will be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

b. If Number of Antipsychotic Medications Prescribed at Discharge is greater than or equal 2, the case will proceed to Appropriate Justification for Multiple Antipsychotic Medications.

9. Check Appropriate Justification for Multiple Antipsychotic Medications

a. If Appropriate Justification for Multiple Antipsychotic Medications is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-5a) and will be rejected. Continue processing and proceed to step 10 and Initialize the Measure Category Assignment for each strata measure.

b. If Appropriate Justification for Multiple Antipsychotic Medications equals 4 or 5, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-5a) and will be in the measure population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

c. If Appropriate Justification for Multiple Antipsychotic Medications equals 1, 2 or 3, the case will proceed to a Measure Category Assignment of E for Overall Rate (HBIPS-5a) and will be in the numerator population. Continue processing and proceed to step 10 and initialize the Measure Category Assignment for each strata measure.

10. Initialize the Measure Category Assignment for each strata measure (b-e) = 'B'. Do not change the Measure Category Assignment that was already calculated for the overall rate (HBIPS-5a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate's (HBIPS-5a) Measure Category Assignment.

11. Check Overall Rate Category Assignment

a. If Overall Rate Category Assignment equals B, Set the Measure Category Assignment for the strata measures (HBIPS-5b through HBIPS-5e) = 'B'. Stop processing.
b. If Overall Rate Category Assignment equals D or E or X, continue processing and proceed to Patient Age at Discharge.

12. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-5b = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal 13 years, continue processing and proceed to Patient Age at Discharge.

13. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-5c = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal 18 years, continue processing and proceed to Patient Age at Discharge.

14. Check Patient Age at Discharge
   a. If Patient Age at Discharge is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-5d = Measure Category Assignment for measure HBIPS-5a. Stop processing.
   b. If Patient Age at Discharge is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-5e = Measure Category Assignment for measure HBIPS-5a. Stop processing.

1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia

Target Population: Individuals at least 18 years of age as of the beginning of the measurement period who have met the enrollment criteria for Medicare Parts A, B, and D.

Denominator: Individuals at least 18 years of age as of the beginning of the measurement period with schizophrenia or schizoaffective disorder and at least two prescription drug claims for antipsychotic medications during the measurement period (12 consecutive months).

CREATE DENOMINATOR:
1. Pull individuals who are 18 years of age or older as of the beginning of the measurement period.
2. Include individuals who were continuously enrolled in Medicare Part D coverage during the measurement period, with no more than a one-month gap in enrollment during the measurement period, or up until their death date if they died during the measurement period.
3. Include individuals who had no more than a one-month gap in Medicare Part A enrollment, no more than a one-month gap in Part B enrollment, and no more than one month of HMO (Health Maintenance Organization) enrollment during the current measurement period (fee-for-service [FFS] individuals only).
4. Of those individuals identified in Step 3, keep individuals who had:
   At least two encounters with a diagnosis of schizophrenia or schizoaffective disorder with different dates of service in an outpatient setting, emergency department setting, or non-acute inpatient setting during the measurement period;
OR

Individuals who had at least one encounter with a diagnosis of schizophrenia or schizoaffective disorder in an acute inpatient setting during the measurement period.

5. For the individuals identified in Step 4, extract Medicare Part D claims for any antipsychotic medication during the measurement period. Attach the generic name and the drug ID to the dataset.

6. Of the individuals identified in Step 5, exclude those who did not have at least two prescription drug claims for any antipsychotic medication on different dates of service (identified by having at least two Medicare Part D claims with the specific codes) during the measurement period.

7. Exclude those individuals with a diagnosis of dementia during the measurement period.

Numerator: Individuals with schizophrenia or schizoaffective disorder who had at least two prescription drug claims for antipsychotic medications and have a PDC of at least 0.8 for antipsychotic medications.

CREATE NUMERATOR:

For the individuals in the denominator, calculate the PDC for each individual according to the following methods:

1. Determine the individual’s medication therapy period, defined as the number of days from the index prescription date through the end of the measurement period, or death, whichever comes first. The index date is the service date (fill date) of the first prescription drug claim for an antipsychotic medication in the measurement period.

2. Within the medication therapy period, count the days the individual was covered by at least one drug in the antipsychotic medication class based on the prescription drug claim service date and days of supply.

   a. Sort and de-duplicate Medicare Part D antipsychotic medication claims by beneficiary ID, service date, generic name, and descending days’ supply. If prescriptions for the same drug (generic name) are dispensed on the same date of service for an individual, keep the dispensing with the largest days’ supply.

   b. Calculate the number of days covered by antipsychotic drug therapy per individual.

      i. For prescription drug claims with a days’ supply that extends beyond the end of the measurement period, count only the days for which the drug was available to the individual during the measurement period.

      ii. If claims for the same drug (generic name) overlap, then adjust the prescription start date to be the day after the previous fill has ended.

      iii. If claims for different drugs (different generic names) overlap, do not adjust the prescription start date.

3. Calculate the PDC for each individual. Divide the number of covered days found in Step 2 by the number of days in the individual’s medication therapy period found in Step 1.

   An example of SAS code for Steps 1-3 was adapted from Pharmacy Quality Alliance (PQA) and is available at the URL: http://www2.sas.com/proceedings/forum2007/043-2007.pdf.

4. Of the individuals identified in Step 3, count the number of individuals with a calculated PDC of at least 0.8 for the antipsychotic medications. This is the numerator.

PHYSICIAN GROUP ATTRIBUTION:
Physician group attribution was adapted from Generating Medicare Physician Quality Performance Measurement Results (GEM) Project: Physician and Other Provider Grouping and Patient Attribution Methodologies (http://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/GEM/downloads/GEMMethodologies.pdf). The following is intended as guidance and reflects only one of many methodologies for assigning individuals to a medical group. Please note that the physician group attribution methodology excludes patients who died, even though the overall measure does not.

I. Identify Physician and Medical Groups

1. Identify all Tax Identification Numbers (TINs)/National Provider Identification (NPIs) combinations from all Medicare Part B claims in the measurement year and the prior year. Keep records with valid NPI. Valid NPIs have 10 numeric characters (no alpha characters).

2. For valid NPIs, pull credentials and specialty code(s) from the CMS provider tables.

3. Create one record per NPI with all credentials and all specialties. A provider may have more than one specialty.

4. Attach TIN to NPI, keeping only those records with credentials indicating a physician (MD or DO), physician assistant (PA), or nurse practitioner (NP).

5. Identify medical group TINs: Medical group TINs are defined as TINs that had physician, physician assistant, or nurse practitioner provider specialty codes on at least 50% of Medicare Part B carrier claim line items billed by the TIN during the measurement year or prior year. (The provider specialty codes are listed after Patient Attribution.)

   a. Pull Part B records billed by TINS identified in Step 4 during the measurement year and prior year.

   b. Identify claims that had the performing NPI (npi_prfrmg) in the list of eligible physicians/TINs, keeping those that match by TIN, performing NPI, and provider state code.

   c. Calculate the percentage of Part B claims that match by TIN, npi_prfrmg, and provider state code for each TIN, keeping those TINs with percentages greater than or equal to 50%.

   d. Delete invalid TINs. Examples of invalid TINs are defined as having the same value for all nine digits or values of 012345678, 012345678, 123456789, 987654321, or 87654321.

6. Identify TINs that are not solo practices.

   a. Pull Part B records billed by physicians identified in Step 4 for the measurement year and/or prior year.

   b. Count unique NPIs per TIN.

   c. Keep only those TINs having two or more providers.

   d. Delete invalid TINs. Examples of invalid TINs are defined as having the same value for all nine digits or values of 012345678, 012345678, 123456789, 987654321, or 87654321.

7. Create final group of TINs from Step 5 and Step 6 (TINs that are medical groups and are not solo practices).

8. Create file of TINs and NPIs associated with those TINs. These are now referred to as the medical group TINs.

9. Determine the specialty of the medical group (TIN) to be used in determining the specialty of nurse practitioners and physician assistants. The plurality of physician providers in the medical group determines the specialty of care for nurse practitioners and physician assistants.
a. From the TIN/NPI list created in Step 8, count the NPIs per TIN/specialty.
b. The specialty with the maximum count is assigned to the medical group.

II. Identify Individual Sample and Claims

10. Create individual sample.
a. Pull individuals with 11+ months of Medicare Parts A, B, and D during the measurement year.
b. Verify the individual did not have any months with Medicare as secondary payer. Remove individuals with BENE_PRMRY_PYR_CD not equal to one of the following:
   • A = working-age individual/spouse with an employer group health plan (EGHP)
   • B = End Stage Renal Disease (ESRD) in the 18-month coordination period with an EGHP
   • G = working disabled for any month of the year
c. Verify the individual resides in the U.S., Puerto Rico, Virgin Islands, or Washington D.C.
d. Exclude individuals who enter the Medicare hospice at any point during the measurement year.
e. Exclude individuals who died during the measurement year.

11. For individuals identified in Step 10, pull office visit claims that occurred during the measurement year and in the six months prior to the measurement year.
a. Office visit claims have CPT codes of 99201-99205, 99211-99215, and 99241-99245.
b. Exclude claims with no npi_prfrmg.

12. Attach medical group TIN to claims by NPI.

III. Patient Attribution

13. Pull all Medicare Part B office claims from Step 12 with specialties indicating primary care or psychiatry (see list of provider specialties and specialty codes below). Attribute each individual to at most one medical group TIN for each measure.
a. Evaluate specialty on claim (HSE_B_HCFA_PRVDR_SPCLTY_CD) first. If specialty on claim does not match any of the measure-specific specialties, then check additional specialty fields.
b. If the provider specialty indicates nurse practitioners or physician assistants (code 50 or code 97), then assign the medical group specialty determined in Step 9.

14. For each individual, count claims per medical group TIN. Keep only individuals with two or more E&M claims.

15. Attribute individual to the medical group TIN with the most claims. If a tie occurs between medical group TINs, attribute the TIN with the most recent claim.

16. Attach the medical group TIN to the denominator and numerator files by individual.

Provider Specialties and Specialty Codes

Provider specialties and specialty codes include only physicians, physician assistants, and nurse practitioners for physician grouping, TIN selection, and patient attribution. The provider specialty codes and the associated provider specialty are shown below:

01—General practice*
02—General surgery
03—Allergy/immunology
04—Otolaryngology
05—Anesthesiology
06—Cardiology
07—Dermatology
08—Family practice*
09—Interventional pain management
10—Gastroenterology
11—Internal medicine*
12—Osteopathic manipulative therapy
13—Neurology
14—Neurosurgery
16—Obstetrics/gynecology*
18—Ophthalmology
20—Orthopedic surgery
22—Pathology
24—Plastic and reconstructive surgery
25—Physical medicine and rehabilitation
26—Psychiatry*
28—Colorectal surgery
29—Pulmonary disease
30—Diagnostic radiology
33—Thoracic surgery
34—Urology
37—Nuclear medicine
38—Geriatric medicine*
39—Nephrology
39—Pediatric medicine
40—Hand surgery
44—Infectious disease
46—Endocrinology
50—Nurse practitioner*
66—Rheumatology
70—Multi-specialty clinic or group practice*
72—Pain management
76—Peripheral vascular disease
77—Vascular surgery
78—Cardiac surgery
79—Addiction medicine
81—Critical care (intensivists)
82—Hematology
83—Hematology/oncology
84—Preventive medicine*
85—Maxillofacial surgery
86—Neuropsychiatry*
90—Medical oncology
91—Surgical oncology
92—Radiation oncology
93—Emergency medicine
94—Interventional radiology
97—Physician assistant*
98—Gynecologist/oncologist
99—Unknown physician specialty
Other—NA
*Provider specialty codes specific to this measure 119011| 120823| 140881| 123834| 141592| 141015| 142428

2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
Step 1: Determine the eligible population, or the denominator, by identifying the number of children and adolescents in the specified age range who were dispensed an antipsychotic medication (Table APP-A) during the intake period (January 1 – December 1).
Step 2: Exclude those who did not have a negative medication history and who have a diagnosis for which antipsychotic medications are clinically appropriate (see S.10).
Step 3: Determine the numerator by identifying the number of children and adolescents in the eligible population who had documentation of psychosocial care in the 121-day period from 90 days prior through 30 days after the new prescription of an antipsychotic.
Step 4: Divide the numerator by the denominator to calculate the rate.

3205: Medication Continuation Following Inpatient Psychiatric Discharge
Denominator:
1. Pull all IPF discharges from the Part A data.
2. Include IPF discharges for patients who were at least 18 years of age at admission.
3. Identify interim claims having the same beneficiary, provider, admission dates or having an admission date within 1 day of the discharge date of the previous claim and having a discharge status code of “Still patient.” Collapse or combine the interim claims into one hospital stay using the admission date from the earliest claim and the discharge date from the latest claim. The data values from the latest claim are used for the newly combined hospital stay.
4. De-duplicate the IPF inpatient discharges dataset by Patient ID, Sex, Provider ID, Admission Date, and Discharge Date.
5. Remove the IPF inpatient discharges for patients who do not have Part A and Part B coverage at admission, during the entire stay, at discharge, and during the 30 days post-discharge.
6. Remove the IPF inpatient discharges that do not have a principal diagnosis of MDD, bipolar disorder, or schizophrenia using value sets containing ICD-10 codes for each of the disease conditions.

7. Remove the IPF inpatient discharges for patients who expired during the hospital stay or within 30 days of discharge.

8. Remove the IPF inpatient discharges for patients who do not have Part D coverage during the 30 days post-discharge.

9. Remove the IPF inpatient discharges for patients who were not discharged to home or home health.

10. Exclude IPF inpatient discharges with a secondary diagnosis of pregnancy or delirium.

11. Exclude IPF inpatient discharges having schizophrenia as the principal diagnosis with a secondary diagnosis of dementia.

12. Exclude IPF inpatient discharges with ECT or TMS during the hospital stay or within 30 days post-discharge.

**Numerator:**

1. Pull all Part D claims for the evidence-based medications used for the treatment of MDD, schizophrenia, and bipolar disorder.

2. Pull all Part A and Part B claims for antipsychotic long-acting injectables (LAIs) and add them to the Part D medication claims for schizophrenia and bipolar disorder.

3. Compare the medication claims to the denominator file of eligible IPF inpatient discharges and remove any claims that occur more than 2 days prior to the discharge date.

4. Determine which claims occur within the follow-up period (2 days prior to discharge through 30 days post-discharge) for each of the 3 disease conditions.

5. Total the denominator cases having at least one medication claim corresponding to the disease condition during the follow-up period.

**Submission items**

**0560: HBIPS-5 Patients discharged on multiple antipsychotic medications with appropriate justification**

5.1 Identified measures:

5a.1 Are specs completely harmonized?

5a.2 If not completely harmonized, identify difference, rationale, impact: Not applicable

5b.1 If competing, why superior or rationale for additive value: Not applicable

**1879: Adherence to Antipsychotic Medications for Individuals with Schizophrenia**

5.1 Identified measures: 0541 : Proportion of Days Covered (PDC): 3 Rates by Therapeutic Category

0542 : Adherence to Chronic Medications

0543 : Adherence to Statin Therapy for Individuals with Cardiovascular Disease

0544 : Use and Adherence to Antipsychotics among members with Schizophrenia

0545 : Adherence to Statins for Individuals with Diabetes Mellitus

0569 : ADHERENCE TO STATINS

1880 : Adherence to Mood Stabilizers for Individuals with Bipolar I Disorder
5a.1 Are specs completely harmonized? Yes
5a.2 If not completely harmonized, identify difference, rationale, impact: The measure specifications are harmonized with the related measure, Adherence to Mood Stabilizers for Individuals with Bipolar I Disorder (NQF #1880), where possible. The methodology used to calculate adherence in these measures is proportion of days covered (PDC) which is calculated the same in both measures. The methodology used to identify the denominator population is also calculated the same in both measures with the exception of the clinical conditions which is the target of the measure. The medications included in both measures are specific to the clinical condition targeted in the measure.
5b.1 If competing, why superior or rationale for additive value: The Adherence to Antipsychotic Medications for Individuals with Schizophrenia (NCQA) measure is used for HEDIS reporting and is harmonized with the NQF #1879 in condition, target population, methodology, and medications. The HEDIS measure is only used in Medicaid health plans and therefore is restricted to adults age 18-64.

During development the measure developers identified another competing measure which eventually lost NQF endorsement. The section below is from the original submission of the measures for initial endorsement and compares this measure (#1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia) to a previously NQF-endorsed measure (#0544 Use and Adherence to Antipsychotics among Members with Schizophrenia).

Measure 1879 (Adherence to Antipsychotic Medications for Individuals with Schizophrenia) has both the same measure focus and essentially the same target population as Measure 0544 (Use and Adherence to Antipsychotics among Members with Schizophrenia), which is no longer endorsed after the measure’s time-limited endorsement (TLE) status expired. Measure 1879 is superior to the existing Measure 0544 because it represents a more valid and efficient approach to measuring medication adherence to antipsychotic medications. In addition, as discussed above in Section 5a.2, Measure 1879 is harmonized with several other adherence measures in the NQF portfolio. Key differences in measure validity and efficiency are addressed in the sections below.

VALIDITY
The Proportion of Days Covered (PDC), which is the method used to calculate adherence in Measure 1879, has several advantages over the Medication Possession Ratio (MPR), which is used in Measure 0544. First, the PDC was found to be more conservative compared to the Medication Possession Ratio (MPR) and was preferred in clinical scenarios in which there is the potential for more than one drug to be used within a drug class concomitantly (e.g., antipsychotics). This clinical situation applies directly to Measure 1879. Martin et al. (2009) demonstrated this in a study published in the Annals of Pharmacotherapy by comparing the methodology for drugs that are commonly switched, where the MPR was 0.690, truncated MPR was 0.624, and PDC was 0.562 and found significant differences between the values for adherence (p < 0.001). Martin et al (2009) also compared drugs with therapeutic duplication where the PDC was 0.669, truncated MPR was 0.774, and MPR was 1.238, and again obtained significant differences (p < 0.001). These findings were partially replicated by testing results from FMQAI (now HSAG) of Measure 1879 where MPR produced a higher measure rate (as compared to PDC) as shown below.

Adherence to Antipsychotic Medications for Individuals with Schizophrenia
Method Measure Rate
Comparison of MPR and PDC
Method Measure Rate
MPR 74.4%
PDC 70.0%
Based on initial draft measure specifications and data from a 100% sample of Medicare fee-for-service beneficiaries
with Part D coverage in Florida and Rhode Island, using 2008 Medicare Parts A, B, and D data.
Additional differences between Measure 1879 and TLE 0544 related to validity include the following concerns:
Denominator: The measure denominator requires at least two antipsychotic medication prescriptions; whereas, the NQF TLE measure (NQF# 0544) does not require any antipsychotic medication prescriptions in the measure denominator. In 0544, an MPR of “0” is assigned to those without any antipsychotic medication prescriptions, which may falsely lower measure rates, specifically in scenarios where the prescriber has made the decision not to prescribe antipsychotic medications for an individual diagnosed with schizophrenia.
Exclusion related to a diagnosis of dementia: Measure 1879 excludes individuals with a diagnosis of dementia during the measurement year which is not considered in Measure 0544. Antipsychotic medications are currently labeled with a Food and Drug Administration (FDA) Black Box warning that states, “Elderly patients with dementia-related psychosis treated with antipsychotic drugs are at an increased risk of death. Analyses of seventeen placebo-controlled trials (modal duration of 10 weeks), largely in patients taking atypical antipsychotic drugs, revealed a risk of death in drug-treated patients of between 1.6 to 1.7 times the risk of death in placebo-treated patients.” The Technical Expert Panel, which reviewed the measure, recommended excluding these individuals from the measure denominator, since continued adherence to antipsychotic medications in this subpopulation may increase mortality and not represent quality of care. (Please see Section 2b3.2 that provides descriptive results of testing related to exclusions.)
EFFICIENCY
Measure 1879 requires only one year of administrative claims data, rather than two years of data which is required for TLE 0544. The Technical Expert Panel that reviewed Measure 1879 indicated that the burden of requiring two years of administrative claims data would not meaningfully modify measure rates and would potentially result in the unnecessary exclusion of individuals for which adherence should be assessed but for which only 1 year of claims data were available. Additional rationale for this TEP recommendation was related to an increased length of the continuous enrollment criteria to specify the measure use with two years of data. FMQAI’s (now HSAG) empirical analysis of a related adherence measure (NQF 0542 – Adherence to Chronic Medications) using 2007 and 2008 Medicare Part D data for beneficiaries in Florida and Rhode Island validated this concern and indicated that approximately 10% of the eligible population would be excluded from the measure if the enrollment criteria required two years of administrative claims data as opposed to one year.
2801: Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics

5.1 Identified measures: 2337: Antipsychotic Use in Children Under 5 Years Old

5a.1 Are specs completely harmonized? No

5a.2 If not completely harmonized, identify difference, rationale, impact: This new measure assesses receipt of psychosocial care among children and adolescents who are prescribed antipsychotics without a primary indication. Both measures address use of antipsychotics. However, 2337 assesses if children under 5 are prescribed an antipsychotic. Our Psychosocial Care measure assesses children of a broader age range (up to age 18) who are currently on antipsychotics but do not have a primary indication. Our measure also addresses a different focus: whether these children received first-line psychosocial care.

5b.1 If competing, why superior or rationale for additive value: N/A

3205: Medication Continuation Following Inpatient Psychiatric Discharge

5.1 Identified measures:

5a.1 Are specs completely harmonized? No

5a.2 If not completely harmonized, identify difference, rationale, impact: Not applicable because there are no related measures.

5b.1 If competing, why superior or rationale for additive value: Not applicable because there are no competing measures.
Comparison of NQF 0640 and 0687

0640 HBIPS-2 Hours of physical restraint use
0687 Percent of Residents Who Were Physically Restrained (Long Stay)

Steward

0640: HBIPS-2 Hours of physical restraint use
The Joint Commission

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
Centers for Medicare & Medicaid Services

Description

0640: HBIPS-2 Hours of physical restraint use
The total number of hours that all patients admitted to a hospital-based inpatient psychiatric setting were maintained in physical restraint.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
The measure reports the percentage of all long-stay residents who were physically restrained daily during the 7 days prior to the target MDS 3.0 assessment (OBRA, PPS or discharge) during their episode of nursing home care ending in the target quarter (3-month period). Long-stay residents are identified as residents who have had at least 101 cumulative days of nursing facility care.

Type

0640: HBIPS-2 Hours of physical restraint use
Process

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
Process

Data Source

0640: HBIPS-2 Hours of physical restraint use
Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed.

No data collection instrument provided Attachment HBIPS_Code_Tables-636794265307530611.xlsx

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
Electronic Health Record (Only) Nursing Home Minimum Data Set 3.0
Available in attached appendix at A.1 No data dictionary
Level

0640: HBIPS-2 Hours of physical restraint use
    Facility, Other

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
    Facility

Setting

0640: HBIPS-2 Hours of physical restraint use
    Inpatient/Hospital

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
    Nursing Home / SNF

Numerator Statement

0640: HBIPS-2 Hours of physical restraint use
    The total number of hours that all psychiatric inpatients were maintained in physical restraint.
    Numerator Basis: The numerator evaluates the number of hours of physical restraint; however, the algorithm calculates the number of minutes to ensure a more accurate calculation of the measure. Convert the minutes to hours when analyzing and reporting this measure.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)
    The numerator is the number of long-stay residents with a selected target Minimum Data Set (MDS) assessment (assessments may be OBRA, PPS or discharge) who have experienced daily physical restraint usage during the 7 days prior to the selected assessment, as indicated by MDS 3.0, Section P, Item P0100, subitems B (P0100B – Trunk restraint used in bed), C (P0100C – Limb restraint used in bed), E (P0100E – Trunk restraint used in chair or out of bed), F (P0100F – Limb restraints used in chair or out of bed), or G (P0100G – Chair prevents rising).

Numerator Details

0640: HBIPS-2 Hours of physical restraint use
    Three data elements are used to calculate the numerator:
    1. Event Date* - The month, day and year of the event.
    2. Event Type* - The measure-related event being identified. Allowable values: 1. Physical Restraint 2. Seclusion
    3. Minutes of Physical Restraint - The total minutes recorded in the medical record that a patient was maintained in Event Type 1 (physical restraint(s)) for the associated Event Date. Allowable values 1-1440 minutes
    *The data elements Event Date and Event Type are used for both HBIPS-2 (Hours of Physical Restraint Use) and HBIPS-3: Hours of Seclusion Use).
    Patients are eligible for the numerator population when a physical restraint event occurs. A physical restraint is any manual method or physical or mechanical device, material, or equipment that immobilizes or reduces the ability of a patient to move his or her arms,
legs, body or head freely when it is used as a restriction to manage a patient’s behavior or restrict the patient’s freedom of movement and is not a standard treatment for the patient’s medical or psychiatric condition. This definition is noted in the data element Minutes of Physical Restraint included with the submission.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)

Residents are counted if they are long-stay residents, defined as residents whose cumulative length of stay is 101 days or more. Residents who return to the nursing home following a hospital discharge may not have their stay count within the episode of care reset to zero. Residents are counted if any of the following items on the target assessment are coded as "2", meaning that the physical restraint was used daily during the 7 days prior to the assessment: P0100B- Trunk restraint used in bed, P0100C-Limb restraint used in bed, P0100E- Trunk restraint used in chair or out of bed, P0100F-Limb restraint used in chair or out of bed, or P0100G-Chair prevents rising. Target assessments may be an OBRA admission, quarterly, annual or significant change/correction assessments (A0310A = 01, 02, 03, 04, 05, 06) or PPS 5-, 14-, 30-, 60-, or 90-day assessments (A0310B = 01, 02, 03, 04, 05) or discharge assessment with or without return anticipated (A0310F = 10, 11).

Denominator Statement

0640: HBIPS-2 Hours of physical restraint use

Number of psychiatric inpatient days
Denominator basis: per 1,000 hours
To compute this measure rate, a base of 1000 hours has been applied to total patient days in the denominator (i.e., total patient days are divided by 1000). The purpose of this is to create a smaller denominator number, thus providing a more understandable rate. When multiplied by 1000, this rate measures numerator occurrence per total patient days.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)

The denominator is the total number of all long-stay residents in the nursing facility who have a target OBRA, PPS or discharge MDS 3.0 assessment during the selected quarter and who do not meet the exclusion criteria.

Denominator Details

0640: HBIPS-2 Hours of physical restraint use

Seven data elements are used to calculate the denominator:
1. Admission Date – The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.
4. Psychiatric Inpatient Days - Medicare Only* - The sum of the number of days each Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).
5. Psychiatric Inpatient Days – Non-Medicare Only* - The sum of the number of days each non-Medicare patient was included in the psychiatric inpatient census during the month (includes clients on leave status).

6. Total Leave Days - Medicare Only* - The aggregate number of leave days for Medicare patients during the month.

7. Total Leave Days – Non-Medicare Only* - The aggregate number of leave days for non-Medicare patients during the month.

* The distinction between Medicare and Non-Medicare was added to account for the adoption of the HBIPS measures by the Centers for Medicare and Medicaid Services (CMS) Inpatient Psychiatric Facilities Quality Reporting Program

Populations: All psychiatric inpatient days.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)

Residents are counted if they are long-stay residents defined as residents whose length of stay is 101 days or more. Residents who return to the nursing home following a hospital discharge may not have their day count within the episode of care reset to zero. The population includes all long-stay residents with a target MDS 3.0, except those with exclusions. Target assessments may be an OBRA admission, quarterly, annual or significant change/correction assessments (A0310A = 01, 02, 03, 04, 05, 06) or PPS 5-, 14-, 30-, 60-, or 90-day assessments (A0310B = 01, 02, 03, 04, 05) or discharge assessment with or without return anticipated (A0310F = 10, 11).

Exclusions

0640: HBIPS-2 Hours of physical restraint use

Total leave days

0687: Percent of Residents Who Were Physically Restrained (Long Stay)

A resident is excluded from the denominator if there is missing data in any of the responses to the relevant questions in the MDS (P0100B= -, or P0100C= -, or P0100E= -, or P0100F= -, or P0100G= -).

If the facility sample includes fewer than 30 residents, then the facility is excluded from public reporting.

Exclusion Details

0640: HBIPS-2 Hours of physical restraint use

- Patients who are on leave defined as an authorized or unauthorized absence of the patient from a psychiatric care setting, excluding discharges, during which the patient is absent from the psychiatric care setting at the time of the daily census and is not under the direct supervision of psychiatric care setting staff while absent.

0687: Percent of Residents Who Were Physically Restrained (Long Stay)

The assessment is excluded if the resident is not in the numerator and there are missing values for any of the items in the numerator, i.e., P0100B = [-], Trunk restraint used in bed; P0100C = [-], Limb restraint used in bed; P0100E =[-], Trunk restraint used in chair or out of bed; P0100F =[-], Limb restraint used in chair or out of bed; or P0100G =[-], Chair prevents rising.
If the facility sample includes fewer than 30 residents, then the facility is excluded from public reporting.

**Risk Adjustment**

0640: HBIPS-2 Hours of physical restraint use  
No risk adjustment or risk stratification

0687: Percent of Residents Who Were Physically Restrained (Long Stay)  
No risk adjustment or risk stratification

**Stratification**

0640: HBIPS-2 Hours of physical restraint use  
The measure is stratified by the following age groups:

- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

0687: Percent of Residents Who Were Physically Restrained (Long Stay)  
This is not applicable.

**Type Score**

0640: HBIPS-2 Hours of physical restraint use  
Ratio better quality = lower score

0687: Percent of Residents Who Were Physically Restrained (Long Stay)  
Rate/proportion better quality = lower score

**Algorithm**

0640: HBIPS-2 Hours of physical restraint use  
1. Run all cases that are included in the Initial Patient Population for HBIPS-2 and 3 and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure.
2. Check Event Type
   a. If Event Type equals 2, the case will proceed to a Measure Category Assignment of U for Overall Rate (HBIPS-2a) and will not be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure
   b. If Event Type equals 1, continue processing and proceed to Minutes of Physical Restraint.
3. Check Minutes of Physical Restraint
a. If Minutes of Physical Restraint is missing, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-2a) and will be rejected. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
b. If Minutes of Physical Restraint equals UTD, the case will proceed to a Measure Category Assignment of Y for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.
c. If Minutes of Physical Restraint equals a Not able to Determine Value, the case will proceed to a Measure Category Assignment of E for Overall Rate (HBIPS-2a) and will be in the measure population. Continue processing and proceed to step 4, Initialize the Measure Category Assignment for each strata measure.

4. Check Overall Rate Category Assignment
   a. If Overall Rate Category Assignment equals U, Set the Measure Category Assignment for the strata measures (HBIPS-2b through HBIPS-2e) = ‘U’. Stop processing.
   b. If Overall Rate Category Assignment equals E, X or Y, continue processing and proceed to Patient Age at Time of Event.

5. Initialize the Measure Category Assignment for each strata measure (b-e) = ‘B’. Do not change the Measure Category Assignment or Total Overall Restraint Minutes that was already calculated for the overall rate (HBIPS-2a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-2a) Measure Category Assignment.

6. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 1 years and less than 13 years, set the Measure Category Assignment for measure HBIPS-2b = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 13 years, continue processing and proceed to Patient Age at Time of Event.

7. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 13 years and less than 18 years, set the Measure Category Assignment for measure HBIPS-2c = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 18 years, continue processing and proceed to Patient Age at Time of Event.

8. Check Patient Age at Time of Event
   a. If Patient Age at Time of Event is greater than or equal 18 years and less than 65 years, set the Measure Category Assignment for measure HBIPS-2d = Measure Category Assignment for measure HBIPS-2a. Stop processing.
   b. If Patient Age at Time of Event is greater than or equal 65 years, set the Measure Category Assignment for measure HBIPS-2e = Measure Category Assignment for measure HBIPS-2a. Stop processing.

**0687: Percent of Residents Who Were Physically Restrained (Long Stay)**
Step 1: Identify the total number of long-stay residents who have a target assessment (OBRA, PPS, or discharge) during the quarter and who did not meet the exclusion criteria (i.e., they are not missing data on use of any type of physical restraint).
Step 2: Starting with the set of residents identified in Step 1, determine the number of long-stay residents who have a target MDS assessment (OBRA, PPS, or discharge) reporting daily incidence of physical restraint use during the 7 days prior to the target assessment.

Step 3: Divide the result of Step 2 by the result of Step 1.

Submission items

**0640: HBIPS-2 Hours of physical restraint use**

5.1 Identified measures: 0687: Percent of Residents Who Were Physically Restrained (Long Stay)
0203: Restraint prevalence (vest and limb)

5a.1 Are specs completely harmonized? No

5a.2 If not completely harmonized, identify difference, rationale, impact: Measure 203 excludes patients under 18 years of age, only evaluates vest or limb restraint use and is based on a survey conducted at selected time intervals. Measure 0687 evaluates the percent of all patients in a long term care setting who had a vest or limb restraint applied during the reporting period. HBIPS-2 evaluates the total time all patients > 1 year of age in a psychiatric care setting were maintained in all forms of physical restraint for the reporting period.

5b.1 If competing, why superior or rationale for additive value: Not Applicable

**0687: Percent of Residents Who Were Physically Restrained (Long Stay)**

5.1 Identified measures: 0640: HBIPS-2 Hours of physical restraint use
0203: Restraint prevalence (vest and limb)

5a.1 Are specs completely harmonized? No

5a.2 If not completely harmonized, identify difference, rationale, impact: NQF # 0203 Physical restraint (vest and limb only). While this measure has a similar focus, it is for use in acute care and uses a different definition of restraints. NQF # 0640 HBIPS-2 Hours of physical restraint use. This measure also has as similar focus but is for use in hospital-based inpatient psychiatric setting and is based on patient days. Detailed data on days of restraint use is not currently available on the MDS. The measure #0687 is specified to capture daily restraint use over the 7 days preceding the resident’s assessment.

5b.1 If competing, why superior or rationale for additive value: This is not applicable. There are no competing measures.
Comparison of NQF 1922, 0104e, 1365e, 2152, 2599, 2806

1922 HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
0104e Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
1365e Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
2152 Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
2599 Alcohol Screening and Follow-up for People with Serious Mental Illness
2806 Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

Steward

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
The Joint Commission

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
PCPI

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
PCPI Foundation

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
PCPI Foundation

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
National Committee for Quality Assurance

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Seattle Children's Research Institute

Description

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
The proportion of patients, age greater than and equal to 1 year, admitted to a hospital-based inpatient psychiatric setting who are screened within the first three days of hospitalization for all of the following: risk of violence to self or others, substance use, psychological trauma history and patient strengths.

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Percentage of patients aged 18 years and older with a diagnosis of major depressive disorder (MDD) with a suicide risk assessment completed during the visit in which a new diagnosis or recurrent episode was identified.

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Percentage of patient visits for those patients aged 6 through 17 years with a diagnosis of major depressive disorder with an assessment for suicide risk.
2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Percentage of patients aged 18 years and older who were screened for unhealthy alcohol use using a systematic screening method at least once within the last 24 months AND who received brief counseling if identified as an unhealthy alcohol user

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
The percentage of patients 18 years and older with a serious mental illness, who were screened for unhealthy alcohol use and received brief counseling or other follow-up care if identified as an unhealthy alcohol user.
Note: The proposed health plan measure is adapted from an existing provider-level measure for the general population (NQF #2152: Preventive Care & Screening: Unhealthy Alcohol Use: Screening & Brief Counseling). It was originally endorsed in 2014 and is currently stewarded by the American Medical Association (AMA-PCPI).

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Percentage of children/adolescents age =5 to =19 years-old seen in the emergency department with psychotic symptoms who are screened for alcohol or drugs of abuse

Type

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Process

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Process

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Process

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Process

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Process

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Process

Data Source

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Electronic Health Records, Paper Medical Records Each data element in the data dictionary includes suggested data sources. The data are collected using contracted Performance Measurement Systems (vendors) that develop data collection tools based on the measure specifications. The tools are verified and tested by Joint Commission staff to confirm the accuracy and conformance of the data collection tool with the measure specifications. The vendor may not offer the measure set to hospitals until verification has been passed. No data collection instrument provided Attachment HBIPS_Code_Tables-636794265723952869.xlsx
0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Electronic Health Records Not Applicable
No data collection instrument provided Attachment
0104_MDD_SuicideRisk_ValueSets_2017September29.xlsx

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Electronic Health Records Not Applicable
No data collection instrument provided Attachment
1365_CMS177_Child_Adolescent_MDD_Value_Sets_05042018.xlsx

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Registry Data Not applicable.
No data collection instrument provided No data dictionary

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Claims, Electronic Health Records, Paper Medical Records The denominator for this measure is based on administrative claims. The numerator for this measure is based on administrative claims and/or medical record documentation collected in the course of providing care to health plan patients.
No data collection instrument provided Attachment
2599_Alcohol_Screening_for_People_With_Mental_Illness_Value_Set-636583545268612951-636769175260262857.xlsx

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Claims, Other, Paper Medical Records The data collection tool is publicly available on the website in S.1. and also attached in the Appendix materials.
Title: “Medical Record Measure Electronic Abstraction and Scoring Tool” under “Mental Health Measures”
Available at measure-specific web page URL identified in S.1 Attachment PSYCHOSIS_ICD9_and_ICD10_Codes_for_Denominator_Identification_SUBMITTED-635803493103736421.xlsx

Level

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Facility, Other

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Clinician : Group/Practice, Clinician : Individual

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Clinician : Group/Practice, Clinician : Individual

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Clinician : Group/Practice, Clinician : Individual

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Health Plan
2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Facility

Setting

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Inpatient/Hospital

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Emergency Department and Services, Other, Outpatient Services Behavioral Health Day Treatment

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Outpatient Services

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Home Care, Outpatient Services

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Outpatient Services

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Emergency Department and Services, Inpatient/Hospital

Numerator Statement

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Psychiatric inpatients with admission screening within the first three days of admission for all of the following: risk of violence to self or others; substance use; psychological trauma history; and patient strengths

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Patients with a suicide risk assessment completed during the visit in which a new diagnosis or recurrent episode was identified

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Patient visits with an assessment for suicide risk

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Patients who were screened for unhealthy alcohol use using a systematic screening method at least once within the last 24 months AND who received brief counseling if identified as an unhealthy alcohol user

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Patients 18 years and older who are screened for unhealthy alcohol use during the last 3 months of the year prior to the measurement year through the first 9 months of the measurement year and received two events of counseling if identified as an unhealthy alcohol user.
2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

Eligible patients with documentation of drug and alcohol screening using urine drug or serum alcohol tests.

Numerator Details

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed

Five data elements are used to calculate the numerator:

1. Patient Strengths - Documentation in the medical record that an admission screening for a minimum of two patient strengths was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

2. Psychological Trauma History - Documentation in the medical record that an admission screening for a psychological trauma history was performed within the first three days of admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

3. Substance Use - Documentation in the medical record that an admission screening for substance use and alcohol use which occurred over the past twelve (12) months was performed within the first three days of admission. The screening must include: the type, amount, frequency of use and any problems due to past use. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

4. Violence Risk to Others - Documentation in the medical record that an admission screening for violence risk to others over the past six months was performed within the first three days of admission. Violence Risk to Others includes: threats of violence and/or actual commission of violence toward others. Documentation should include violence risk within the 6 months prior to admission AND any lifetime risk of violence to others beyond the 6 months prior to admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

5. Violence Risk to Self - Documentation in the medical record that an admission screening for violence risk to self over the past six months was performed within the first three days of admission. Violence Risk to Self includes: ideation, plans/preparation and/or intent to act if ideation present, past suicidal behavior and risk/protective factors within the 6 months prior to admission. Allowable values: Yes, No/UTD, or X unable to complete admission screening.

Patients are eligible for the numerator population when the allowable value equals “yes” for all five data elements: Patient Strengths, Psychological Trauma History, Substance Use, Violence Risk to Others and Violence Risk to Self as defined above.

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

Time Period for Data Collection: At every visit where a new diagnosis or recurrent episode of Major Depressive Disorder is identified [initial evaluation during the episode]

Definition:

Suicide risk assessment - Must include questions about the following:

1) Suicidal ideation

2) Patient’s intent of initiating a suicide attempt

AND, if either is present,

3) Patient plans for a suicide attempt
4) Whether the patient has means for completing suicide

GUIDANCE:
Use of a standardized tool or instrument to assess suicide risk will meet numerator performance. Standardized tools can be mapped to the concept “Intervention, Performed: Suicide Risk Assessment” included in the numerator logic in the attached HQMF in field S.2a.
HQMF eCQM developed and is attached to this submission in fields S.2a and S.2b.

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Time Period for Data Collection: At each visit for major depressive disorder during the measurement period.
HQMF eCQM developed and is included in this submission.
We have provided the following definitions and/or guidance for convenience; please see HQMF eCQM for complete details related to the specification.
NUMERATOR DEFINITION:
The specific type and magnitude of the suicide risk assessment is intended to be at the discretion of the individual clinician and should be specific to the needs of the patient. At a minimum, suicide risk assessment should evaluate:
1. Risk (e.g., age, sex, stressors, comorbid conditions, hopelessness, impulsivity) and protective factors (e.g., religious belief, concern not to hurt family) that may influence the desire to attempt suicide.
2. Current severity of suicidality.
3. Most severe point of suicidality in episode and lifetime.
Low burden tools to track suicidal ideation and behavior such as the Columbia-Suicidal Severity Rating Scale can also be used.
NUMERATOR GUIDANCE:
A suicide risk assessment should be performed at every visit for major depressive disorder during the measurement period.
Use of a standardized tool or instrument to assess suicide risk will meet numerator performance. Standardized tools can be mapped to the concept “Intervention, Performed: Suicide Risk Assessment” included in the numerator logic in the HQMF eCQM attached in field S.2a.

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Time Period for Data Collection: At least once during the 24 month period.
Definitions:
Systematic screening method - For purposes of this measure, one of the following systematic methods to assess unhealthy alcohol use must be utilized. Systematic screening methods and thresholds for defining unhealthy alcohol use include:
• AUDIT Screening Instrument (score >= 8)
• AUDIT-C Screening Instrument (score >= 4 for men; score >= 3 for women)
• Single Question Screening - How many times in the past year have you had 5 (for men) or 4 (for women and all adults older than 65 years) or more drinks in a day? (response >= 2)

Brief counseling - Brief counseling for unhealthy alcohol use refers to one or more counseling sessions, a minimum of 5-15 minutes, which may include: feedback on alcohol use and harms; identification of high risk situations for drinking and coping strategies; increased motivation and the development of a personal plan to reduce drinking.

NUMERATOR NOTE: In the event that a patient is screened for unhealthy alcohol use and identified as a user but did not receive brief alcohol cessation counseling submit G9624.

For Registry:
Report Quality Data Code:
G9621 - Patient identified as an unhealthy alcohol user when screened for unhealthy alcohol use using a systematic screening method and received brief counseling
OR
G9622 - Patient not identified as an unhealthy alcohol user when screened for unhealthy alcohol use using a systematic screening method

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness

Alcohol Use Screening

ADMINISTRATIVE:
Patients who had systematic screening for unhealthy alcohol use (see Alcohol Screening Value Set) as identified by claim/encounter data during the last 3 months of the year prior to the measurement year through the first 9 months of the measurement year.

MEDICAL RECORD:
Patients who had systematic screening for unhealthy alcohol use during the last 3 months of the year prior to the measurement year through the first 9 months of the measurement year.

Systematic Screening
A systematic screening method is defined as:
Asking the patient about their weekly use (alcoholic drinks per week), or
Asking the patient about their per occasion use (alcoholic drinks per drinking day) or
Using a standardized tool such as the AUDIT, AUDIT-C, or CAGE or
Using another standardized tool

Unhealthy Alcohol Use
Unhealthy alcohol use covers a spectrum that is associated with varying degrees of risk to health. Categories representing unhealthy alcohol use include risky use, problem drinking, harmful use, and alcohol abuse, and the less common but more severe alcoholism and alcohol dependence. Risky use is defined as >7 standard drinks per week or >3 drinks per occasion for women and persons >65 years of age; >14 standard drinks per week or >4 drinks per occasion for men =65 years of age.

Follow-Up
ADMINISTRATIVE:
Patients who received two events of counseling (see Alcohol Screening and Brief Counseling Value Set) as identified by claim/encounter data within three months of screening if identified as unhealthy alcohol users.

MEDICAL RECORD:
Patients who received two events of counseling within three months of screening if identified as unhealthy alcohol users. The two event of counseling could be with the provider who performed screening or another provider including health plan clinical case managers. Participation in peer led support activities (such as Alcoholics Anonymous or Narcotics Anonymous) can count if documented in the health record (referrals alone do not count).

Counseling
Counseling may include at least one of the following:
- Feedback on alcohol use and harms
- Identification of high risk situations for drinking and coping strategies
- Increase the motivation to reduce drinking
- Development of a personal plan to reduce drinking

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Patients passing the quality measure are identified during medical record abstraction using the guidelines below. The item numbers match the “Medical Records Abstraction Tool Guidelines” under “Mental Health Measures” provided on the website in S.1. This language is also in the “Medical Records Electronic Abstraction and Scoring Tool” on the website.

11. Urine Drug Screening /Serum Alcohol Screening – [Module: Psychosis, ED care] This item applies to children and adolescents presenting with psychotic symptoms who were admitted to the marker ED. Indicate if the patient had a urine drug screen and/or serum alcohol screen while in the ED. The alcohol test will be a separate test from the drug tests. The drug test must be comprehensive in that it tests for multiple types of illicit drugs. Do NOT give credit for tests that include results of just a single drug. Drug screens commonly include tests for benzodiazepines, barbiturates, methamphetamine, cocaine, methadone, opiates, tetrahydrocannabinol, etc.

Denominator Statement

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Psychiatric inpatient discharges

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
All patients aged 18 years and older with a diagnosis of major depressive disorder (MDD)

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
All patient visits for those patients aged 6 through 17 years with a diagnosis of major depressive disorder

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
All patients aged 18 years and older seen for at least two visits or at least one preventive visit during the measurement period
2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
All patients 18 years of age or older as of December 31 of the measurement year with at least one inpatient visit or two outpatient visits for schizophrenia or bipolar I disorder, or at least one inpatient visit for major depression during the measurement year.

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Patients aged ≥5 to ≤19 years-old seen in the emergency department with psychotic symptoms.

Denominator Details

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Included Populations:
• Patients with ICD-10-CM Principal or Other Diagnosis Codes for Mental Disorders as defined in Appendix A, Table 10.01 (See S.2b.)
(See S.2b for attached code table)
Six data elements are used to calculate the denominator:
1. Admission Date – The month, day and year of admission to acute inpatient care.
2. Birthdate - The month, day and year the patient was born.
3. Discharge Date – The month day and year the patient was discharged from acute care, left against medical advice or expired during the stay.
4. ICD-10-CM Other Diagnosis Codes- The other or secondary (ICD-10-CM) codes associated with the diagnosis for this hospitalization.
5. ICD-10-CM Principal Diagnosis Code- The ICD-10-CM diagnosis code that is primarily responsible for the admission of the patient to the hospital for care during this hospitalization.
6. Psychiatric Care Setting - Documentation in the medical record that the patient was receiving care primarily for a psychiatric diagnosis in an inpatient psychiatric setting, i.e., a psychiatric unit of an acute care hospital or a free-standing psychiatric hospital. Allowable values: Yes, No.

0104: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Time Period for Data Collection: 12 consecutive months
Guidance:
This measure is an episode-of-care measure and should be reported for each instance of a new or recurrent episode of major depressive disorder (MDD); every new or recurrent episode will count separately in the Initial Population.
It is expected that a suicide risk assessment will be completed at the visit during which a new diagnosis is made or at the visit during which a recurrent episode is first identified (i.e., at the initial evaluation). For the purposes of this measure, an episode of MDD would be considered to be recurrent if a patient has not had an MDD-related encounter in the past 105 days. If there is a gap of 105 or more days between visits for MDD, that would imply a recurrent episode. The 105-day look-back period is an operational provision and not a clinical recommendation, or definition of relapse, remission, or recurrence.
The measure description outlined in the header for this measure states, 'patients aged 18 years and older' while the logic statement states, '>= 17 year(s) at: "Measurement Period"'. The logic statement, as written, captures patients who turn 18 years old during the measurement period so that these patients are included in the measure. To ensure all patients with major depressive disorder (MDD) are assessed for suicide risk, there are two clinical quality measures addressing suicide risk assessment; CMS 177 covers children and adolescents aged 6 through 17, and CMS 161 covers the adult population aged 18 years and older.

HQMF eCQM developed and is attached to this submission in fields S.2a and S.2b.

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Time Period for Data Collection: 12 consecutive months.
HQMF eCQM developed and is included in this submission.
We have provided the following definitions and/or guidance for convenience; please see HQMF eCQM for complete details related to the specification.
DENOMINATOR DEFINITION:
None
DENOMINATOR GUIDANCE:
This measure is an episode-of-care measure; the level of analysis for this measure is every visit for major depressive disorder during the measurement period. For example, at every visit for MDD, the patient should have a suicide risk assessment.

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Time Period for Data Collection: 12 consecutive months
For Registry:
Patients aged >= 18 years
AND
At least two patient encounters during the performance period (CPT or HCPCS): 90791, 90792, 90832, 90834, 90837, 90845, 96150, 96151, 96152, 97165, 97166, 97167, 97168, 97802, 97803, 97804, 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, G0270, G0271
WITHOUT
Telehealth Modifier: GQ, GT, 95, POS 2
OR
At Least One Preventive Visit during the performance period (CPT or HCPCS): 99385, 99386, 99387, 99395, 99396, 99397, 99401, 99402, 99403, 99411, 99412, 99429, G0438, G0439
WITHOUT
Telehealth Modifier: GQ, GT, 95, POS 02

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Age: 18 years and older
Benefit: Medical
Continuous Enrollment: No more than one gap in enrollment of up to 45 days during each year of the measurement year and the year prior. To determine continuous enrollment for a Medicaid beneficiary for whom enrollment is verified monthly, the person may not have more than a one month gap in coverage (i.e., a person whose coverage lapses for two months [60 days] is not considered continuously enrolled).

Diagnosis Criteria: Identify patients with a serious mental illness. They must meet at least one of the following criteria during the measurement year or the year prior:

At least one acute inpatient claim/encounter with any diagnosis of schizophrenia, bipolar I disorder, or major depression using any of the following code combinations:

BH Stand Alone Acute Inpatient Value Set with one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set
- Major Depression Value Set

BH Acute Inpatient Value Set with BH Acute Inpatient POS Value Set and one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set
- Major Depression Value Set

At least two visits in an outpatient, intensive outpatient, partial hospitalization, ED or non-acute inpatient setting, on different dates of service, with any diagnosis of schizophrenia or bipolar I disorder. Any two of the following code combinations meet criteria:

BH Stand Alone Outpatient/PH/IOP Value Set with one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set

BH Outpatient/PH/IOP Value Set with BH Outpatient/PH/IOP POS Value Set and one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set

ED Value Set with one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set

BH ED Value Set with BH ED POS Value Set and one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set

BH Stand Alone Nonacute Inpatient Value Set with one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set

BH Nonacute Inpatient Value Set with BH Nonacute Inpatient POS Value Set and one of the following diagnoses:
- Schizophrenia Value Set
- Bipolar Disorder Value Set
2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

Cases are identified from hospital administrative data.

Patients aged 5–19 years-old

Patients have at least one of the following ICD9 codes for psychosis, as a primary or secondary diagnosis: 291.3, 291.5, 292.11, 292.12, 293.81, 293.82, 295.30, 295.31, 295.32, 295.33, 295.34, 295.40, 295.41, 295.42, 294.43, 295.44, 295.70, 295.71, 295.72, 295.73, 295.74, 295.90, 295.91, 295.92, 295.93, 295.94, 296.24, 296.44, 297.1, 297.2, 297.3, 298.X

These codes were chosen by Members of the COE4CCN Mental Health Working Group (see Ad.1) co-chaired by Psychiatric Health Services Researchers Drs. Michael Murphy and Bonnie Zima.

Exclusions

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed

• Patients for whom there is an inability to complete admission screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths within the first three days of admission due to the patient’s inability or unwillingness to answer screening questions
• Patients with a Length of Stay (LOS) of less than 3 days or greater than 365 days

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

None

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment

None

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling

Documentation of medical reason(s) for not screening for unhealthy alcohol use (e.g., limited life expectancy, other medical reasons)

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness

Active diagnosis of alcohol abuse or dependence during the first nine months of the year prior to the measurement year (see Alcohol Disorders Value Set).

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

No patients were excluded from the target population.

Exclusion Details

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed

• Patients for whom screening cannot be completed due to the patient’s inability or unwillingness to answer assessment questions within the first three days of admission OR patients with a previous admission to the psychiatric unit during a single hospitalization.
• Length of stay (LOS) in days is equal to the Discharge Date minus the Admission Date. If the LOS is less than 3 days or greater than 365 days, the patient is excluded.

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

Not Applicable
1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
N/A

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Time Period for Data Collection: Denominator Exception(s) are determined on the date of the most recent denominator eligible encounter.
Exceptions are used to remove a patient from the denominator of a performance measure when the patient does not receive a therapy or service AND that therapy or service would not be appropriate due to patient-specific reasons. The patient would otherwise meet the denominator criteria. Exceptions are not absolute, and are based on clinical judgment, individual patient characteristics, or patient preferences. The PCPI exception methodology uses three categories of reasons for which a patient may be removed from the denominator of an individual measure. These measure exception categories are not uniformly relevant across all measures; for each measure, there must be a clear rationale to permit an exception for a medical, patient, or system reason. Examples are provided in the measure exception language of instances that may constitute an exception and are intended to serve as a guide to clinicians. For measure Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling, exceptions may include medical reason(s) (e.g., limited life expectancy, other medical reasons). Although this methodology does not require the external reporting of more detailed exception data, the PCPI recommends that physicians document the specific reasons for exception in patients’ medical records for purposes of optimal patient management and audit-readiness. The PCPI also advocates the systematic review and analysis of each physician’s exceptions data to identify practice patterns and opportunities for quality improvement.
For Registry:
Report Quality Data Code:
G9623 - Documentation of medical reason(s) for not screening for unhealthy alcohol use (e.g., limited life expectancy, other medical reasons)

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Denominator exclusions are found through medical record or claims data (see Alcohol Disorders Value Set).

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
N/A

Risk Adjustment

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
No risk adjustment or risk stratification

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
No risk adjustment or risk stratification

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
No risk adjustment or risk stratification
**2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling**
No risk adjustment or risk stratification

**2599: Alcohol Screening and Follow-up for People with Serious Mental Illness**
No risk adjustment or risk stratification

**2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department**
No risk adjustment or risk stratification

**Stratification**

**1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed**
The measure is stratified by the following age groups:
- Children (1 through 12 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 1 year and less than 13 years
- Adolescent (13 through 17 years) — A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 13 years and less than 18 years
- Adult (18 through 64 years) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 18 years and less than 65 years
- Older Adult (65 years or greater) - A Patient Age at Discharge (Discharge Date minus Birthdate) greater than or = 65 years

**0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment**
Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put forth by the IOM and NQF to standardize the collection of race and ethnicity data, we encourage the results of this measure to be stratified by race, ethnicity, administrative sex, and payer and have included these variables as recommended data elements to be collected.

**1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment**
Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put forth by the IOM and NQF to standardize the collection of race and ethnicity data, we encourage the results of this measure to be stratified by race, ethnicity, administrative sex, and payer and have included these variables as recommended data elements to be collected.

**2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling**
Consistent with CMS’ Measures Management System Blueprint and recent national recommendations put forth by the IOM and NQF, the PCPI encourages the collection of race and ethnicity data as well as the results of this measure to be stratified by race, ethnicity, administrative sex, and payer.

**2599: Alcohol Screening and Follow-up for People with Serious Mental Illness**
Not applicable.

**2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department**
N/A
Type Score

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
Rate/proportion better quality = higher score

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
Rate/proportion better quality = higher score

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
Rate/proportion better quality = higher score

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
Rate/proportion better quality = higher score

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Rate/proportion better quality = higher score

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department
Ratio better quality = higher score

Algorithm

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed
1. Run all cases that are included in the Initial Patient Population for HBIPS Discharge and pass the edits defined in the Transmission Data Processing Flow: Clinical Through this measure
2. Calculate Length of Stay. Length of Stay, in days, is equal to the Discharge Date minus the Admission Date.
3. Check Length of Stay
   a. If Length of Stay is less than or equal to 3 days or greater than or equal to 365 days, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
   b. If Length of Stay is greater than 3 days and less than 365 days, continue processing and proceed to Psychiatric Care Setting.
4. Check Psychiatric Care Setting
   a. If Psychiatric Care Setting equals No, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
   b. If Psychiatric Care Setting equals Yes, continue processing.
5. Initialize Missing Counter to equal zero. Initialize No Screening Counter to equal zero, Initialize Incomplete Screening Counter to equal zero. Continue processing and proceed to Patient Strengths.
6. Check Patient Strengths
   a. If Patient Strengths equals No, add one to No Screening Counter. Continue processing and proceed to Psychological Trauma History.
   b. If Patient Strengths is missing, add one to Missing Counter. Continue processing and proceed to Psychological Trauma History.
c. If Patient Strengths equals Yes or X, Continue processing and proceed to check Patient Strengths.

7. Check Patient Strengths
   a. If Patient Strengths equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Psychological Trauma History.
   b. If Patient Strengths equals Yes, Continue processing and proceed to Psychological Trauma History.

8. Check Psychological Trauma History
   a. If Psychological Trauma History equals No, add one to No Screening Counter. Continue processing and proceed to Substance Use.
   b. If Psychological Trauma History is missing, add one to Missing Counter. Continue processing and proceed to Substance Use.
   c. If Psychological Trauma History equals Yes or X, Continue processing and proceed to check Psychological Trauma History.

9. Check Psychological Trauma History
   a. If Psychological Trauma History equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Substance Use.
   b. If Psychological Trauma History equals Yes, Continue processing and proceed to Substance Use.

10. Check Substance Use
    a. If Substance Use equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Others.
    b. If Substance Use is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Others.
    c. If Substance Use equals Yes or X, Continue processing and proceed to check Substance Use.

11. Check Substance Use
    a. If Substance Use equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Others.
    b. If Substance Use equals Yes, Continue processing and proceed to Violence Risk to Others.

12. Check Violence Risk to Others
    a. If Violence Risk to Others equals No, add one to No Screening Counter. Continue processing and proceed to Violence Risk to Self.
    b. If Violence Risk to Others is missing, add one to Missing Counter. Continue processing and proceed to Violence Risk to Self.
    c. If Violence Risk to Others equals Yes or X, Continue processing and proceed to check Violence Risk to Others.

13. Check Violence Risk to Others
    a. If Violence Risk to Others equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Violence Risk to Self.
    b. If Violence Risk to Others equals Yes, Continue processing and proceed to Violence Risk to Self.
14. Check Violence Risk to Self
   a. If Violence Risk to Self equals No, add one to No Screening Counter. Continue processing and proceed to Incomplete Screening Counter.
   b. If Violence Risk to Self is missing, add one to Missing Counter. Continue processing and proceed to Incomplete Screening Counter.
   c. If Violence Risk to Self equals Yes or X, Continue processing and proceed to check Violence Self.
15. Check Violence Risk to Self
   a. If Violence Risk to Self equals X, add one to Incomplete Screening Counter. Continue processing and proceed to Incomplete Screening Counter.
   b. If Violence Risk to Self equal Yes, Continue processing and proceed to Incomplete Screening Counter.
16. Check Incomplete Screening Counter
   a. If Incomplete Screening Counter equals 5, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Continue processing and proceed to initialize the Measure Category Assignment for each strata measure.
   b. If Incomplete Screening Counter is less than five, continue processing and proceed to Missing Counter.
17. Check Missing Counter
   a. If Missing Counter is more than zero, the case will proceed to a Measure Category Assignment of X for Overall Rate (HBIPS-1a) and will be rejected. Proceed to step initialize the Measure Category Assignment for each strata measure.
   b. If Missing Counter equals zero, continue processing and proceed to No Screening Counter.
18. Check No Screening Counter
   a. If No Screening Counter is greater than zero, the case will proceed to a Measure Category Assignment of D for Overall Rate (HBIPS-1a) and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.
   b. If No Screening Counter equals zero, the case will proceed to a Measure Category Assignment of E and will be in the measure population. Continue processing and proceed to step 19 and initialize the Measure Category Assignment for each strata measure.
19. Initialize the Measure Category Assignment for each strata measure (b-e) equal ‘B’. Do not change the Measure Category Assignment that was already calculated for the overall rate (HBIPS-1a). The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate’s (HBIPS-1a) Measure Category Assignment. Continue processing and proceed to Overall Rate Category Assignment.
20. Check Overall Rate Category Assignment
   a. If Overall Rate Category Assignment equals B, retain the Measure Category Assignment for the strata measures (HBIPS-1b through HBIPS-1e) equals B. Stop processing.
   b. If Overall Rate Category Assignment equals D, E, or X, continue processing and proceed to Patient Age at Discharge.
21. Check Patient Age at Discharge
a. If Patient Age at Discharge is greater than or equal to 1 year and less than 13 years, set the Measure Category Assignment for the measure HBIP-1b equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
b. If Patient Age at Discharge is greater than or equal to 13 years, continue processing and proceed to Patient Age at Discharge.

22. Check Patient Age at Discharge
a. If Patient Age at Discharge is greater than or equal to 13 years and less than 18 years, set the Measure Category Assignment for the measure HBIP-1c equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
b. If Patient Age at Discharge is greater than or equal to 18 years, continue processing and proceed to Patient Age at Discharge.

23. Check Patient Age at Discharge
a. If Patient Age at Discharge is greater than or equal to 18 years and less than 65 years, set the Measure Category Assignment for the measure HBIP-1d equal to Measure Category Assignment for measure HBIP-1a. Stop processing.
b. If Patient Age at Discharge is greater than or equal to 65 years, set the Measure Category Assignment for the measure HBIP-1e equal to Measure Category Assignment for measure HBIP-1a. Stop processing.

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

To calculate performance rates:

1. Find the patients who meet the initial population (ie, the general group of patients that a set of performance measures is designed to address).
2. From the patients within the initial population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria). Note: in some cases the initial population and denominator are identical.
3. From the patients within the denominator, find the patients who meet the numerator criteria (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator.

If the patient does not meet the numerator, this case represents a quality failure.

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment

To calculate performance rates:

1) Find the patients who meet the initial patient population (ie, the general group of patients that a set of performance measures is designed to address).
2) From the patients within the initial patient population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria). Note: in some cases the initial patient population and denominator are identical.
3) From the patients within the denominator, find the patients who meet the Numerator (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator.
If the patient does not meet the numerator, this case represents a quality failure.

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
To calculate performance rates:
1. Find the patients who meet the initial population (ie, the general group of patients that a set of performance measures is designed to address).
2. From the patients within the initial population criteria, find the patients who qualify for the denominator (ie, the specific group of patients for inclusion in a specific performance measure based on defined criteria). Note: in some cases the initial population and denominator are identical.
3. From the patients within the denominator, find the patients who meet the numerator criteria (ie, the group of patients in the denominator for whom a process or outcome of care occurs). Validate that the number of patients in the numerator is less than or equal to the number of patients in the denominator.
4. From the patients who did not meet the numerator criteria, determine if the provider has documented that the patient meets any criteria for exception when denominator exceptions have been specified [for this measure: medical reason(s) (eg, limited life expectancy, other medical reasons)]. If the patient meets any exception criteria, they should be removed from the denominator for performance calculation. --Although the exception cases are removed from the denominator population for the performance calculation, the exception rate (ie, percentage with valid exceptions) should be calculated and reported along with performance rates to track variations in care and highlight possible areas of focus for QI.

If the patient does not meet the numerator and a valid exception is not present, this case represents a quality failure.

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
Step 1: Determine the eligible population.
Step 1A: Identify all patients 18 years of age or older with a serious mental illness.
Step 1B: Exclude patients from step 1A who have a diagnosis of unhealthy alcohol use during the first 9 months of the year prior to the measurement year.
Step 2: Identify Numerator.
Step 2A: Identify the date of screening for unhealthy alcohol use during the measurement year or the year prior within the medical chart.
Step 2B: Identify the unhealthy alcohol screening result within the medical chart. If negative for unhealthy alcohol use, stop.
Step 2C: If positive for unhealthy alcohol use, identify the date of any follow-up care occurring within three months of screening.
Step 3: Calculate the rate by adding the number of patients with a negative screening for unhealthy alcohol use (from step 2B) plus the number of patients with positive screening for unhealthy alcohol use and those who received follow-up care (from step 2C) and divide this by the number of patients calculated to be in the eligible population (those remaining after Step 1B is complete.)
2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

Step 1. Identify eligible population at hospital using administrative data. \( N = \text{total population} \)

Step 2. Assess patient chart for indicator status. Pass \((A=1)\) if documentation present of urine drug testing or both urine drug testing and serum alcohol testing. Pass \((B=1)\) if documentation present of serum alcohol testing or both urine drug testing and serum alcohol testing.

Step 3. Calculate Patient score = \(100 \times \frac{(A+B)}{2} \). Results = 0, 50, 100

Step 4. Calculate hospital score = \(\text{Sum(Patient score)} / N\)

Submission items

1922: HBIPS-1 Admission Screening for Violence Risk, Substance Use, Psychological Trauma History and Patient Strengths Completed

5.1 Identified measures:
- 0104 : Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
- 0110 : Bipolar Disorder and Major Depression: Appraisal for alcohol or chemical substance use
- 0111 : Bipolar Disorder: Appraisal for risk of suicide
- 1365 : Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
- 2152 : Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
- 2599 : Alcohol Screening and Follow-up for People with Serious Mental Illness

5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: Five of the six NQF endorsed measures are provider level measures, 2599 is a health plan measure. All pertain to the ambulatory setting for patients. All (except 2152) are specific to the diagnoses of major depression and/or bipolar disorder. The measures only evaluate one aspect of screening: either suicide risk or alcohol or substance use. Measures 0104, 0110, 0111, 2159, and 2599 only evaluate patients age 18 years and older. The SUB-1 measure pertains to all inpatients 18 years and older, with screening limited to substance use. HBIPS-1 addresses inpatient organizational performance for all psychiatric diagnoses and evaluates the care of all patient ages (greater than 1 year). Additionally, HBIPS-1 evaluates several aspects of screening (risk of violence to self or others, substance use, psychological trauma history and patient strengths).

5b.1 If competing, why superior or rationale for additive value: Not applicable

0104e: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment

5.1 Identified measures:
- 1365 : Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment

5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: The guidelines used as evidence in the NQF 1365: Child and Adolescent Major Depressive Disorder (MDD) Suicide Risk Assessment explicitly recommend suicide assessment at every visit for MDD whereas the guidelines used for evidence in this measure do not emphasize this level of assessment frequency.
5b.1 If competing, why superior or rationale for additive value: Both of these measures (0104 and 1365) were developed by PCPI and updated and harmonized with each other on an annual basis. They are not competing because they are used in different patient populations and have different frequencies of suicide assessment based on their respective evidence.

1365e: Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment
5.1 Identified measures: 0104: Adult Major Depressive Disorder (MDD): Suicide Risk Assessment
0111: Bipolar Disorder: Appraisal for risk of suicide
5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: Our measure addresses a different target population, children and adolescents with MDD, from the related measures that focus on adults with MDD and patients with bipolar disorder. As a result, the recommended frequency of suicide assessment is different in our measure from the other measures.
5b.1 If competing, why superior or rationale for additive value: Because our measure emphasizes a different target population and a different type/frequency of assessment, we feel multiple measures are justified to address suicide risk assessment differently in different high-risk populations.

2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
5.1 Identified measures:
5a.1 Are specs completely harmonized? Yes
5a.2 If not completely harmonized, identify difference, rationale, impact: The related measures listed in 5.1b were developed after our measure. The NCQA measure focuses on a specific sub-population (people with serious mental illness) and is intended for use at the health plan level. In the TJC measures, screening and intervention are separate measures. Additionally, the TJC measures are intended for use at the hospital level. PCPI was contacted by these measure stewards respectively while the measures were developed, and they are currently harmonized to the extent feasible.
5b.1 If competing, why superior or rationale for additive value: No competing NQF-endorsed measure.

2599: Alcohol Screening and Follow-up for People with Serious Mental Illness
5.1 Identified measures: 2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling
5a.1 Are specs completely harmonized?
5a.2 If not completely harmonized, identify difference, rationale, impact: This measure was adapted from the existing provider-level measure (NQF #2152: Preventive Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling) for use at the health plan level for the high risk subpopulation of people with serious mental illness. The measure is harmonized and has been reviewed with the original measure stewards and developers. The differences between the existing measure and the proposed serious mental illness subpopulation measure were developed with expert input and are described here. The population focus: This measure focuses on people with serious mental illness, who are at a higher risk of unhealthy alcohol use than the general population and have demonstrated...
disparities in care - What counts as follow-up and the number of events for follow-up: This measure requires two events of counseling, raising expectations for the intensity of service for the serious mental illness population compared to the original measure for the general population, and is reasonably achievable, particularly in the health plan context. USPSTF recommendation supports multi-contact counseling which seems to have the best evidence of effectiveness. - In addition, the existing measure (NQF #2152) is reported at the provider level and is focused on follow-up conducted at time of screening making a single event sufficient. However, at the health plan level, there is opportunity/responsibility for follow-up care beyond the visit. We believe our measure focused on screening patients with SMI for unhealthy alcohol use and capturing more intensive evidence-based follow-up care for a vulnerable population contributes to the national quality agenda.

5b.1 If competing, why superior or rationale for additive value: Not applicable.

2806: Pediatric Psychosis: Screening for Drugs of Abuse in the Emergency Department

5.1 Identified measures:

5a.1 Are specs completely harmonized?

5a.2 If not completely harmonized, identify difference, rationale, impact:

5b.1 If competing, why superior or rationale for additive value:
Comparison of NQF 3488, 0004, 3312, 3453

3488 Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
0004 Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
3312 Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
3453 Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

Steward

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
National Committee for Quality Assurance

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
National Committee for Quality Assurance

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Centers for Medicare & Medicaid Services, Centers for Medicaid & CHIP Services

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Centers for Medicare & Medicaid Services, Centers for Medicaid & CHIP Services

Description

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
The percentage of emergency department (ED) visits for members 13 years of age and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence, who had a follow up visit for AOD. Two rates are reported:
- The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
This measure assesses the degree to which the organization initiates and engages members identified with a need for alcohol and other drug (AOD) abuse and dependence services and the degree to which members initiate and continue treatment once the need has been identified. Two rates are reported:
• Initiation of AOD Treatment. The percentage of adolescent and adult members with a new episode of AOD abuse or dependence who initiate treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter, partial hospitalization, telehealth or medication assisted treatment (MAT) within 14 days of the diagnosis.
• Engagement of AOD Treatment. The percentage of adolescent and adult members with a new episode of AOD abuse or dependence who initiated treatment and who had two or more additional AOD services or MAT within 34 days of the initiation visit.
3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Percentage of discharges from a detoxification episode for adult Medicaid Beneficiaries, age 18-64, that was followed by a treatment service for substance use disorder (including the prescription or receipt of a medication to treat a substance use disorder (pharmacotherapy) within 7 or 14 days after discharge. This measure is reported across all detoxification settings.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Percentage of discharges from an inpatient or residential treatment for substance use disorder (SUD) for Medicaid beneficiaries, ages 18 to 64, which was followed by a treatment service for SUD. SUD treatment includes having an outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth encounter, or filling a prescription or being administered or ordered a medication for SUD. (After an inpatient discharge only, residential treatment also counts as continuity of care.) Two rates are reported, continuity within 7 and 14 days after discharge.

Type

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Process

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Process

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Process

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Process

Data Source

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set (HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

No data collection instrument provided Attachment 3488_FUA_Value_Sets_Spring_2019.xlsx
0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

Claims NCQA collects HEDIS data directly from Health Management Organizations and Preferred Provider Organizations via a data submission portal - the Interactive Data Submission System (IDSS).

No data collection instrument provided Attachment 0004_IET_Value_Sets.xlsx

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

Claims Medicaid Analytic eXtract (MAX) 2013 and 2014 eligible (EL), inpatient (IP), other services (OT), long-term care (LT) and drug (RX) files. The other services file contains facility and individual provider services data. Most notably, it may contain both residential and other stayover service claims data as claims are assigned to MAX claims file types based upon the category of service provided. The inpatient file only contains inpatient hospital, sterilization, abortion and religious non-medical health care institution claims.

No data collection instrument provided Attachment Cont_Care_After_Detox_Value_Sets.xlsx

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

Claims Medicaid Alpha-MAX 2014 data: eligible (EL), inpatient (IP), other services (OT), long-term care (LT) and drug (RX) files. The other services (OT) file contains facility and individual provider services data. Most notably, it may contain both residential and other stayover service claims data as claims are assigned to MAX claims file types based upon the category of service provided.

No data collection instrument provided Attachment SUD-18_measure_value_sets_FINAL_08.09.18_tested_sets_-_locked.xlsx

Level

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

Health Plan

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

Health Plan

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

Population : Regional and State

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

Population : Regional and State

Setting

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

Outpatient Services
0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Emergency Department and Services, Inpatient/Hospital, Outpatient Services

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Inpatient/Hospital, Outpatient Services

3453: Continuity of Care after Inpatient or Residential Treatment for Substance Use Disorder (SUD)
Emergency Department and Services, Home Care, Inpatient/Hospital, Outpatient Services

Numerator Statement

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

The numerator consists of two rates:
- 30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit.
- 7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit.

These rates are stratified by age (13–17, 18 and older, total).

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

Initiation of AOD Treatment:
Initiation of treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth or medication treatment within 14 days of the diagnosis.

---

Engagement of AOD Treatment:
Initiation of AOD treatment and two or more additional AOD services or medication treatment within 34 days of the initiation visit.

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

Discharges in the denominator who have an inpatient, intensive outpatient, partial hospitalization, outpatient visit, residential, or drug prescription or procedure within 7 or 14 days after discharge from a detoxification episode.

3453: Continuity of Care after Inpatient or Residential Treatment for Substance Use Disorder (SUD)

Discharges in the denominator with an outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth or filled a prescription for or were administered or ordered a medication for SUD. (After an inpatient discharge only, residential treatment also counts as continuity of care.) Two rates are reported, continuity within 7 and 14 days after discharge.
**Numerator Details**

**3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence**

30-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 30 days after the ED visit (31 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- An online assessment (Online Assessments Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

7-day follow-up: A follow-up visit with any practitioner, with a principal diagnosis of AOD within 7 days after the ED visit (8 total days). Include visits that occur on the date of the ED visit. Any of the following meet criteria for a follow-up visit:

- IET Stand Alone Visits Value Set with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- A telephone visit (Telephone Visits Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

- An online assessment (Online Assessments Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set).

**0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment**

Index Episode Start Date. The earliest date of service for an eligible encounter during the Intake Period with a diagnosis of AOD abuse or dependence.
• For an outpatient, intensive outpatient, partial hospitalization, observation, telehealth, detoxification or ED visit (not resulting in an inpatient stay), the IESD is the date of service.
• For an inpatient stay, the IESD is the date of discharge.
• For an ED and observation visits that results in an inpatient stay, the IESD is the date of the inpatient discharge (an AOD diagnosis is not required for the inpatient stay; use the diagnosis from the ED or observation visit to determine the diagnosis cohort).
• For direct transfers, the IESD is the discharge date from the last admission (an AOD diagnosis is not required for the transfer; use the diagnosis from the initial admission to determine the diagnosis cohort).

INITIATION OF AOD TREATMENT

Initiation of AOD treatment within 14 days of the IESD.

If the Index Episode was an inpatient discharge (or an ED visit that resulted in an inpatient stay), the inpatient stay is considered initiation of treatment and the member is compliant.

If the Index Episode was not an inpatient discharge, the member must initiate treatment on the IESD or in the 13 days after the IESD (14 total days). Any of the following code combinations meet criteria for initiation:

• An acute or nonacute inpatient admission with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set. To identify acute and nonacute inpatient admissions:
  • Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
  • Identify the admission date for the stay.
• IET Stand Alone Visits Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
• Observation Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
• IET Visits Group 1 Value Set with IET POS Group 1 Value Set and a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set with or without a telehealth modifier (Telehealth Modifier Value Set).
• IET Visits Group 2 Value Set with IET POS Group 2 Value Set and a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set with or without a telehealth modifier (Telehealth Modifier Value Set).
• A telephone visit (Telephone Visit Value Set) with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
• An online assessment (Online Assessment Value) set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
• If the Index Episode was for a diagnosis of alcohol abuse or dependence (Alcohol Abuse and Dependence Value Set) a medication treatment dispensing event (Medication Treatment for Alcohol Abuse or Dependence Medications List) or medication treatment during a visit (AOD Medication Treatment Value Set).

• If the Index Episode was for a diagnosis of opioid abuse or dependence (Opioid Abuse and Dependence Value Set) a medication treatment dispensing event (Medication Treatment for Opioid Abuse or Dependence Medications List) or medication treatment during a visit (AOD Medication Treatment Value Set).

For all initiation events except medication treatment (AOD Medication Treatment Value Set; Medication Treatment for Alcohol Abuse or Dependence Medications List; Medication Treatment for Opioid Abuse or Dependence Medications List), initiation on the same day as the IESD must be with different providers in order to count.

• If a member is compliant for the Initiation numerator for any diagnosis cohort (i.e., alcohol, opioid, other drug) or for multiple cohorts, count the member only once in the Total Initiation numerator. The “Total” column is not the sum of the diagnosis columns.

• Exclude the member from the denominator for both indicators (Initiation of AOD Treatment and Engagement of AOD Treatment) if the initiation of treatment event is an inpatient stay with a discharge date after November 27 of the measurement year.

---

ENGAGEMENT OF AOD TREATMENT

1) Numerator compliant for the Initiation of AOD Treatment numerator and

2) Members whose initiation of AOD treatment was a medication treatment event (Medication Treatment for Alcohol Abuse or Dependence Medications List; Medication Treatment for Opioid Abuse or Dependence Medications List; AOD Medication Treatment Value Set).

These members are numerator compliant if they have two or more engagement events where only one can be an engagement medication treatment event.

3) Remaining members whose initiation of AOD treatment was not a medication treatment event (members not identified in step 2).

These members are numerator compliant if they meet either of the following:

• At least one engagement medication treatment event.

• At least two engagement visits

Two engagement visits can be on the same date of service, but they must be with different providers in order to count as two events. An engagement visit on the same date of service as an engagement medication treatment event meets criteria (there is no requirement that they be with different providers).

Engagement visits:

Any of the following meet criteria for an engagement visit:

• An acute or nonacute inpatient admission with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set. To identify acute or nonacute inpatient admissions:
  – Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
  – Identify the admission date for the stay.
• IET Stand Alone Visits Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).

• Observation Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

• IET Visits Group 1 Value Set with IET POS Group 1 Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).

• IET Visits Group 2 Value Set with IET POS Group 2 Value Set with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

• A telephone visit (Telephone Visits Value Set) with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

• An online assessment (Online Assessments Value Set) with a diagnosis matching the IESD diagnosis cohort using one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

**Engagement Medication Treatment Events:**

Either of the following meets criteria for an engagement medication treatment event:

• If the IESD diagnosis was a diagnosis of alcohol abuse or dependence (Alcohol Abuse and Dependence Value Set), one or more medication treatment dispensing events (Medication Treatment for Alcohol Abuse or Dependence Medications List) or medication treatment during a visit (AOD Medication Treatment Value Set), beginning on the day after the initiation encounter through 34 days after the initiation event (total of 34 days), meets criteria for Alcohol Abuse and Dependence Treatment.

• If the IESD diagnosis was a diagnosis of opioid abuse or dependence (Opioid Abuse and Dependence Value Set), one or more medication dispensing events (Medication Treatment for Opioid Abuse or Dependence Medications List) or medication treatment during a visit (AOD Medication Treatment Value Set), beginning on the day after the initiation encounter through 34 days after the initiation event (total of 34 days), meets criteria for Opioid Abuse and Dependence Treatment.

If the member is compliant for multiple cohorts, only count the member once for the Total Engagement numerator. The Total Column is not the sum of the diagnosis columns.

**3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs**

Measure data will be reported annually (12 months). To account for the 14-day time period after discharge from detoxification, the denominator period will start January 1 and end December 15 of the measurement year.

The numerator includes individuals with any of the following within 14 days after discharge from detoxification:
Pharmacotherapy on day of discharge through day 7 or 14.
- Outpatient, intensive outpatient, partial hospitalization, or residential treatment procedure with a diagnosis of SUD on the day after discharge through day 7 or 14.
- Outpatient, intensive outpatient, partial hospitalization, or residential treatment with standalone SUD procedure on the day after discharge through day 7 or 14.
- Inpatient admission with an SUD diagnosis or procedure code on day after discharge through day 7 or 14.
- Long-term care institutional claims with an SUD diagnosis on day after discharge through day 7 or 14.

Continuity is reset to zero if an overdose diagnosis code appears on the same outpatient or inpatient claim.

SUD diagnoses are used to identify procedures connected to SUD diagnoses. SUD diagnoses are identified through ICD-9 codes. Procedures are defined using a combination of Healthcare Common Procedure Coding System (HCPCS) codes, Uniform Billing (UB) Revenue Codes and ICD-9/ICD-10 procedure codes.

Pharmacotherapy includes naltrexone (short or long acting), acamprosate, or disulfiram for alcohol dependence treatment and buprenorphine for opioid dependence treatment, as well HCPCS codes to identify procedures related to injecting drugs (e.g., long-acting injectable naltrexone).

A list of value sets for the measure is attached in the Excel workbook provided for question S.2b. States may need to adapt the list of codes to include state-specific codes.

**3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)**

The measure will report two rates, continuity of care within 7 days and within 14 days after discharge.

The numerator includes discharges with any of the following after inpatient or residential treatment:

- Outpatient visit, intensive outpatient encounter or partial hospitalization with a primary or secondary SUD diagnosis on the day after discharge through day 7 or 14.
- Telehealth encounter for SUD on the day after discharge through day 7 or 14
- Pharmacotherapy (filling a prescription or being administered or ordered a medication) on day of discharge through day 7 or 14
- For inpatient discharges only, residential admissions on day 3 through day 7 or day 14

Public comments supported a measure for 7- and 14-day continuity and voiced that beyond that would be too long, risking losing the patient from the treatment system. The Technical Expert Panel unanimously agreed on the appropriateness of 7-day continuity of care. However, three TEP members felt that 14-days continuity of care is too long. Our approach balances clinical best practice thinking that the sooner the patient is connected to treatment the better while also allowing treatment programs more time for placement of patients in continuing treatment. Because it may be difficult at times for treatment programs to place clients in continuing care in a timely fashion after discharge due to limits in systems capacity, it is particularly important to allow more time for continuity of care to occur.
Inpatient or residential treatment was considered to be SUD related if it had a primary SUD diagnosis or a procedure indicating SUD. SUD diagnoses are identified through ICD-9 codes. Procedures are defined using a combination of Healthcare Common Procedure Coding System (HCPCS) codes, Uniform Billing (UB) Revenue Codes and ICD-9/ICD-10 procedure codes.

Value sets for the measure are attached in the Excel workbook provided for question S.2b. We include 2016 HEDIS value sets because we used these value sets in measure testing. HEDIS value sets are used because they represent an existing set that states are already familiar with, they are an element of harmonizing with other endorsed measures, and they are updated by the National Committee on Quality Assurance (NCQA). Also, some states may need to include relevant state-specific codes.

Denominator Statement

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Emergency department (ED) visits with a primary diagnosis of alcohol or other drug abuse or dependence on or between January 1 and December 1 of the measurement year where the member was 13 years or older on the date of the visit.

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Patients age 13 years of age and older as of December 31 of the measurement year who were diagnosed with a new episode of alcohol or other drug dependency (AOD) during the first 10 and ½ months of the measurement year (e.g., January 1-November 15).

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Adult Medicaid beneficiary discharges from detoxification from January 1 to December 15 of the measurement year.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Adult Medicaid beneficiary discharges from inpatient or residential treatment for SUD with a principal diagnosis of SUD during from January 1 to December 15 of the measurement year.

Denominator Details

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Age: 13 years and older as of the date of the ED visit
Benefit: Medical and chemical dependency.
Note: Members with detoxification-only chemical dependency benefits do not meet these criteria.
Continuous Enrollment: Date of emergency department visit through 30 days after the ED visit
Event/diagnosis criteria: An ED visit (ED Value Set) with a principal diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set) on or between January 1 and December 1 of the measurement year where the member was 13 years or older on the
date of the visit. The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.

If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1, then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.

Exclude ED visits that result in an inpatient stay and ED visits followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit, regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay.

These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

Identify the Index Episode. Identify all members 13 years and older as of December 31 of the measurement year who during the Intake Period had one of the following:

- An outpatient visit, telehealth, intensive outpatient visit or partial hospitalization with a diagnosis of AOD abuse or dependence. Any of the following code combinations meet criteria:
  - IET Stand Alone Visits Value Set with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - IET Visits Group 1 Value Set with IET POS Group 1 Value Set and with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - IET Visits Group 2 Value Set with IET POS Group 2 Value Set and with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set, with or without a telehealth modifier (Telehealth Modifier Value Set).
  - A detoxification visit (Detoxification Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
  - An ED visit (ED Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.
• An observation visit (Observation Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

• An acute or nonacute inpatient discharge with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set. To identify acute and nonacute inpatient discharges:
  – Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
  – Identify the discharge date for the stay.

• A telephone visit (Telephone Visits Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

• An online assessment (Online Assessments Value Set) with one of the following: Alcohol Abuse and Dependence Value Set, Opioid Abuse and Dependence Value Set, Other Drug Abuse and Dependence Value Set.

For members with more than one episode of AOD abuse or dependence, use the first episode.

For members whose first episode was an ED or observation visit that resulted in an inpatient stay, use the diagnosis from the ED or observation visit to determine the diagnosis cohort and use the inpatient discharge date as the IESD.

Select the Index Episode Start Date.

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

Measure data will be reported annually (12 months). To account for the 14-day time period after discharge from detoxification, the denominator period will start January 1 and end December 15 of the measurement year.

Target population meets the following conditions:
• Medicaid beneficiaries aged 18 years and older and less than 65 years with at least one detox discharge during the year January 1-December 15.
• Enrolled in Medicaid during the month of detoxification discharge and the following month.

The denominator is based on discharges, not individuals. A beneficiary may have more than one qualifying detox episode.

Detoxification is identified using a combination of HCPCS codes, UB Revenue Codes and ICD-9/ICD-10 procedure codes. A list of value sets for the measure is attached in the Excel workbook provided for question S.2b. As with the numerator specifications, this document lists standardized specification for this measure. States will likely need to modify the specifications to include their state-specific codes.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

Population: Medicaid beneficiaries age 18 through 64 as of January 1 of the measurement year.

Benefit: Medical and Behavioral Health Services.
Continuous Enrollment: Date of the inpatient or residential SUD treatment discharge through end of the following month. The enrollment requirement is to ensure that beneficiaries are enrolled for sufficient time to allow for the continuity activities, particularly for a discharge that occurs near the end of a month.

Diagnosis Criteria: Discharges from inpatient or residential treatment with a primary diagnosis of SUD on any claim during the stay. Residential treatment is identified using the value sets in Tabs 1-3 of the attached Excel file. SUD diagnoses are identified using the value sets in Tabs 1-2.

The denominator for this measure is based on discharges, not individuals. If a person has more than one discharge, include all discharges on or between January 1 and December 15 of the measurement year. December 15th is selected to allow sufficient time for continuity activities.

Exclusions

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Patients in hospice.

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Exclude members who had a claim/encounter with a diagnosis of AOD abuse or dependence (AOD Abuse and Dependence Value Set), AOD medication treatment (AOD Medication Treatment Value Set) or an alcohol or opioid dependency treatment medication dispensing event (Medication Treatment for Alcohol Abuse or Dependence Medications List; Medication Treatment for Opioid Abuse or Dependence Medications List) during the 60 days (2 months) before the IESD.

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began.

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Not applicable. The measure does not have denominator exclusions.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Exclude from the denominator for both rates:
- Discharges with hospice services during the measurement year
- Both the initial discharge and the admission/direct transfer discharge if the admission/direct transfer discharge occurs after December 15 of the measurement year.

Discharges followed by admission or direct transfer to inpatient or SUD residential treatment setting within 7 or 14-day continuity of care period. These discharges are excluded from the measure because transfer, hospitalization or admission to residential treatment within 7 or 14 days may prevent a continuity of care visit from taking place. An exception is admission to residential treatment following discharge from inpatient treatment; we do not exclude these admissions, because continuity into residential treatment after inpatient treatment is considered appropriate treatment.
Exclusion Details

**3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence**

Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

**0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment**

Exclude patients who had a claim/encounter with a diagnosis of AOD during the 60 days (2 months) before the Index Episode Start Date. (See corresponding Excel document for the AOD Dependence Value Set)

- For an inpatient Index Episode Start Date, use the admission date to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.
- For an ED visit that results in an inpatient event, use the ED date of service to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.
- For direct transfers, use the first admission to determine if the patient had a period of 60 days prior to the Index Episode Start Date with no claims with a diagnosis of AOD dependence.

Exclude from the denominator for both indicators (Initiation of AOD Treatment and Engagement of AOD Treatment) patients whose initiation of treatment event is an inpatient stay with a discharge date after December 1 of the measurement year.

**3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs**

Not applicable.

**3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)**

Codes reflecting exclusions are attached in S.2b. Residential treatment is identified using the value sets in Tabs 1-3 of the attached Excel file. SUD diagnoses are identified using the value sets in Tabs 1-2.

Risk Adjustment

**3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence**

No risk adjustment or risk stratification

**0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment**

No risk adjustment or risk stratification

**3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs**

No risk adjustment or risk stratification
3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
No risk adjustment or risk stratification

Stratification

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
This measure is stratified by age:
- Age 13 to 17 years
- Age 18 and older
- Total (sum of the age stratifications)

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
The total population is stratified by age: 13-17 and 18+ years of age.
- Report two age stratifications and a total rate.
- The total is the sum of the age stratifications.

Report the following diagnosis cohorts for each age stratification and the total rate:
- Alcohol abuse or dependence.
- Opioid abuse or dependence.
- Other drug abuse or dependence.
- Total.

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Location of detox is used as a stratification variable in analyses. If an inpatient hospital claim had an ICD-9/ICD-10 detoxification procedure code or a UB revenue code indicating detoxification, hospital inpatient treatment is assigned as the location of detox. In addition, hospital inpatient treatment is also assigned if a non-inpatient claim contains a HCPCS code indicating hospital inpatient detox. The remaining detox location assignments are very straightforward. Whenever possible, use of the HCPCS codes to determine location is most desired as it reflects the more precise detoxification location. The other stayover treatment location is designed to capture detox location from non-inpatient claims that do not contain a HCPCS code. A list of value sets for the measure is attached in the Excel workbook provided for question S.2b.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Not applicable.

Type Score

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Rate/proportion better quality = higher score

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Rate/proportion better quality = higher score
3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
Rate/proportion better quality = higher score

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
Rate/proportion better quality = higher score

Algorithm

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence
Step 1: Determine the eligible population.
Step 1A: Identify patients with who were treated and discharged from an emergency department with a primary diagnosis of alcohol or other drug abuse or dependence. Do not include ED visits that result in an inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit.
Step 2: Identify the numerator.
Step 2A: Identify those who had a qualifying follow-up visit within 7 days.
Step 2B: Identify those who had a qualifying follow-up visit within 30 days.
Step 3: Calculate the rates.
Step 3A: Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up visit within 7 days (Step 2A) by the denominator (Step 1A).
Step 3B: Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up visit within 30 days (Step 2B) by the denominator (Step 1A).

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
Step 1. Determine the eligible population. The eligible population is all patients who satisfy all specified denominator criteria (S7-S9).
Step 2. Search administrative systems to identify numerator events for all patients in the eligible population (S6).
Step 3. Calculate the rate of numerator events in the eligible population. 123834| 140881| 135810| 141015| 110874| 130488

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
The following step are used to identify the denominator, numerator, and calculation of the measure rate:
Step 1: Identify denominator
Step 1A: Eligible population: Identify enrolled Medicaid beneficiaries ages 18-64 years who have any detoxification (withdrawal management) in inpatient hospital, residential addiction treatment program, or ambulatory detoxification (withdrawal management) discharge from January 1 to December 15 of the measurement year and are enrolled the month of detoxification and the following month. Age is calculated as of January 1 of the measurement year.
Step 1B: Overall: Among the Medicaid beneficiaries in Step 1A, identify all detoxification discharges using all inpatient, outpatient and ambulatory claims files or tables that contain HCPCS or ICD-9/ICD-10 procedure codes and UB revenue codes. If more than one detoxification in a year, treat each detoxification as a separate observation, e.g., an inpatient hospital detoxification in January and an ambulatory detoxification in July, counts as two observations.

Step 1B.1: Multiple detox claims that are within 1-2 days are combined into a single detox episode. Accordingly, sort the inpatient, outpatient and ambulatory detox discharges by Beneficiary ID and service dates to ensure the discharges from these multiple data sources are in chronological order. Then combine close-proximity episodes while retaining all clinical fields from each episode.

Step 1C: Detox location assignment: hospital inpatient, inpatient residential addiction, outpatient residential outpatient addiction, other stayover treatment and ambulatory detoxification. Use HCPCs detox procedure codes to assign detox location whenever possible; revenue center detox will map to the hospital inpatient location when the revenue codes appear on an inpatient claim or table. They will map to other stayover treatment when the revenue codes appear on a non-inpatient claim. If there is more than 1 detox location when episodes are combined, assign the location using the first claim's location. If there is a TIE between a detox episode being identified via revenue center codes and a more specific category using HCPCs on the SAME claim, the HCPCs location prevails.

Step 2: Identify numerator

Step 2A: Overall: From the denominator in Step 1B, identify those discharges from detoxification in any setting with a qualifying continuity service within 7 or 14 days after discharge.

Step 2A.1: Identify SUD continuity services: Continuity services are assigned using clinical claims billing information (e.g., diagnosis, procedure, revenue codes). The measure includes all claims files or data tables that contain clinical fields (e.g., inpatient hospital, outpatient, other ambulatory and long-term care). SUD diagnoses can be in any position – primary or secondary – for continuity services. Since multiple claims files or tables could each contain a continuity claim, the specification calls for creating continuity variables separately within each file type or table, sorting the files or tables by beneficiary ID and service dates, then putting them together in order to assign the set of variables that are “First” to occur relative to the detox episode discharge date. Continuity services have to occur the day after discharge through day 7 or 14.

Step 2A.2: Identify pharmacotherapy which may occur in multiple files or tables. For example, one claims file or data source may contain injectables, another claims file or table data source may contain oral medications. Consequently, pharmacotherapy variables are created separately in each source, the data sources are then sorted by beneficiary ID and service dates, then multiple pharmacotherapy data sources are put together so they will be in chronological order to assign “First” variables. Pharmacotherapy services could be provided on the same day as the discharge from detox through day 7 or 14.

Step 2A.3: Co-occurring events: Continuity service flags and pharmacotherapy flags are reset to zero if an overdose diagnosis code appears on the SAME claim as the continuity service. Further, outpatient continuity is also reset to zero if an emergency department
visit occurs on the same day. If an inpatient continuity claim has an emergency department visit, it is allowed to remain a continuity service.

Step 3: Calculate rate

Step 3A: Calculate the overall 7- or 14-day continuity rates by dividing the number of discharges with a qualifying continuity service (Step 2A) by the denominator (Step 1B).

Step 3B: Calculate the rates separately for each detox location by dividing the respective number of discharges by each location with a qualifying continuity service (Step 2A) by the denominator (Step 1C).

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)

In the steps below we reference the Excel workbook we attached for S.2b. The workbook includes:

- 2016 HEDIS value sets used in measure testing
- 2018 HEDIS value sets used in measure testing for pharmacotherapy and telehealth codes
- Value sets developed during the specification and testing of this measure, and the value sets from NQF #3312 Continuity of Care for Medicaid Beneficiaries After Detoxification (Detox) from Alcohol and/or Drugs and NQF #3400 Use of Pharmacotherapy for Opioid Use Disorder (OUD) that were used in the specification of this measure.

Note - some states may need to also include relevant state-specific codes.

Step 1: Identify denominator

Step 1A. Eligible population: Identify non-dually enrolled Medicaid beneficiaries age 18 through 64 years with any discharges from inpatient or residential treatment with a principal diagnosis of SUD during January 1 - December 15 of the measurement year. Patients must meet enrollment criteria, defined as Medicaid as the first payer and enrolled in the month of discharge and the following month. Age is calculated as of January 1 of the measurement year.

Throughout Steps 1 and 2, the principal diagnosis of SUD is identified using a principal diagnosis from the 2016 “HEDIS AOD Dependence” value set (Tab 1 in the attached Excel file) or any procedure code from the 2016 “HEDIS AOD Procedures” value set (Tab 2). Secondary diagnosis of SUD is identified using the same value sets.

Step 1B. Flag claims as inpatient or as residential treatment: Among the Medicaid beneficiaries in Step 1A, flag claims as being either in an inpatient or residential setting using all inpatient, outpatient, and ambulatory claims files or tables that contain HCPCS, ICD-9/ICD-10 procedure or diagnosis codes, place of service, or UB revenue codes. Residential treatment is identified using the codes in the SUD Residential Treatment value set (Tab 3). If more than one discharge in a year, treat each discharge as a separate episode, e.g., an inpatient hospital discharge in January and a residential treatment discharge in July counts as two episodes.

Step 1B.1: Consolidate episodes: Multiple inpatient or residential treatment claims that are up to 2 days apart should be combined into a single episode. To facilitate this consolidation, sort the inpatient, outpatient and ambulatory discharges by Beneficiary ID and service dates to ensure the discharges from these multiple data sources are in
chronological order. Use all inpatient and residential treatment claims, regardless of diagnosis, to create episodes.

Step 1C: Assign treatment location to episodes: Use HCPCS, ICD-9/ICD-10 procedure or diagnosis codes, place of service, or UB revenue codes in the SUD Residential Treatment value set (Tab 3) and the SUD diagnosis value sets as noted in Step 1A to assign each episode as inpatient residential treatment, or a mix of both (also indicating the first setting of each episode and the last setting of each episode).

Step 1D: Exclusions: Exclude discharges that meet the exclusion criteria as specified in the “Denominator Exclusion Details” section.

- Exclude discharges for patients who receive hospice services during the measurement year.
- Exclude discharges after December 15 of the measurement year.
- Exclude discharges followed by admission or direct transfer to an inpatient or SUD residential treatment setting within the 7- or 14-day continuity of care period regardless of the principal diagnosis (with exception of admission to residential treatment following discharge from inpatient treatment).
- Exclude episodes that do not include at least one claim with primary diagnosis of SUD.

The denominator for the 7- and 14-day continuity of care rates will differ because of the different exclusions based on transfer or admission to hospital or residential treatment for 7 versus 14 days. For example, a beneficiary admitted to a residential setting on day 10 after discharge will be excluded from the 7-day rate but not from the 14-day rate.

Step 2: Identify numerator

Step 2A: From the denominator, identify discharges from inpatient or residential treatment for SUD with a principal diagnosis of SUD with qualifying continuity of care for SUD (principal or secondary diagnosis) within 7 or 14 days of discharge.

Step 2A.1: Visits: Identify visits meeting continuity of care criteria using outpatient claims files or tables that contain diagnosis, procedure, or revenue codes, procedure code modifiers, or place of service codes. SUD diagnoses can be in any position – primary or secondary – for continuity services. Visits have to occur the day after discharge through day 7 or 14. We identify visits as:

1. Any procedure code or UB revenue code from “HEDIS IET Stand Alone Visits” value set (Tab 4); or
2. Any procedure code from “HEDIS IET Visits Group 1” value set (Tab 5) along with place of service from “HEDIS IET POS Group 1” value set (Tab 6); or
3. Any procedure code from “HEDIS IET Visits Group 2” value set (Tab 7) along with place of service from “HEDIS IET POS Group 2” value set (Tab 8).

The claim must also have procedure code modifier that is missing or a value other than those in the “HEDIS Telehealth Modifier” value set (Tab 9).

Step 2A.2. Telehealth: Identify visits for telehealth meeting continuity of care criteria using outpatient claims files or tables that contain diagnosis, procedure, or revenue codes, procedure code modifiers, or place of service codes. SUD diagnoses can be in any position – primary or secondary – for continuity services. Telehealth has to occur the day after discharge through day 7 or 14. We identify telehealth as:

1. Any procedure code from the “HEDIS Telephone Visit” value set (Tab 12); or
2. Any procedure code or UB revenue code from “HEDIS IET Stand Alone Visits” value set (Tab 4); or
3. Any procedure code from “HEDIS IET Visits Group 1” value set (Tab 5) along with place of service from “HEDIS IET POS Group 1” value set (Tab 6); or
4. Any procedure code from “HEDIS IET Visits Group 2” value set (Tab 7) along with place of service from “HEDIS IET POS Group 2” value set (Tab 8).

Claims identified using logic in #2-4 must also have procedure code modifier from the “HEDIS Telehealth Modifier” value set (Tab 9).

Step 2A.3: Identify pharmacotherapy events: Indications of pharmacotherapy can occur in outpatient or pharmacy files or tables that contain procedure codes or NDCs. Pharmacotherapy events could be provided on the same day as the discharge through day 7 or 14. Pharmacotherapy continuity claims are identified as follows:

1. In OT file, a) any procedure code from “HEDIS Medication Assisted Treatment” value set (Tab 10); or b) any HCPCS procedure code from “MAT Additional Codes” value set (Tab 11) (developed as part of testing for NQF 3312); or c) any state-specific procedure code from “MAT Additional Codes” value set (Tab 11) for the two states listed in the value set (these codes were identified through consultation for these states).
2. In RX file, any NDC from “AOD Pharmacotherapy” value set (Tab 13). This value set contains NDCs identified as part of testing for NQF 3312 and 3400.

Step 3: Calculate rate

Step 3A: Calculate the overall 7- or 14-day continuity of care rate by dividing the number of discharges with evidence of a qualifying continuity of care visit or pharmacotherapy event (Step 2A) by the denominator (after exclusions) (Step 1D). Calculate the rates separately for each continuity of care time period.

Submission items

3488: Follow-Up After Emergency Department Visit for Alcohol and Other Drug Abuse or Dependence

5.1 Identified measures: 0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs

5a.1 Are specs completely harmonized? Yes
5a.2 If not completely harmonized, identify difference, rationale, impact: The measure is harmonized with the existing NQF-endorsed measure. The following highlights the differences between the measures: Population focus (denominator): The measure targets patients discharged from the emergency department (not detoxification). Numerator: The measure captures follow-up with a primary alcohol or other drug dependence diagnosis.

5b.1 If competing, why superior or rationale for additive value: Not applicable.

0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment

5.1 Identified measures:

5a.1 Are specs completely harmonized?
5a.2 If not completely harmonized, identify difference, rationale, impact:
5b.1 If competing, why superior or rationale for additive value: N/A

3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
5.1 Identified measures: 0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
2605: Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence
5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: Follow-up time period: NQF 2605 examines follow-up care 7 days and 30 days after discharge. Our proposed measure (#3312) examines follow-up care 7 days and 14 days after discharge. The 14 day follow-up time period aligns with NQF 0004 and the non-NQF endorsed Continuity of Care After Detoxification measure developed by the Washington Circle, and reflects the input of some public commenters that adults should receive some type of care within two weeks of discharge from detoxification. Diagnoses: NQF 2605 requires a primary diagnosis of alcohol and other drug dependence (AOD) for the follow-up service. Our proposed measure (#3312) requires a primary or secondary diagnosis of AOD. We allow a primary or secondary AOD diagnosis to address potential inaccuracies in how AOD diagnoses are coded. For example, some providers may be concerned about the stigma associated with an AOD diagnosis and therefore code it as a secondary diagnosis. Also, for adults with co-occurring mental health and AOD disorders, the assignment of primary and secondary diagnoses can be challenging and sometimes arbitrary. The differences in follow-up time period, location and diagnoses between NQF 2605 and our proposed measure (3312) do not impact the measure’s interpretability in which a higher rate is indicative of better quality. Both measures rely on administrative data. The differences in measure specifications between 2605 and 3312 are minor and expected to have minimal impact on data collection burden.
5b.1 If competing, why superior or rationale for additive value: Not applicable. There are no other NQF-endorsed measures that conceptually address the same measure focus and same target population.

3453: Continuity of care after inpatient or residential treatment for substance use disorder (SUD)
5.1 Identified measures: 0004: Initiation and Engagement of Alcohol and Other Drug Abuse or Dependence Treatment
0576: Follow-Up After Hospitalization for Mental Illness (FUH)
1937: Follow-Up After Hospitalization for Schizophrenia (7- and 30-day)
2605: Follow-Up After Emergency Department Visit for Mental Illness or Alcohol and Other Drug Abuse or Dependence
3312: Continuity of Care for Medicaid Beneficiaries after Detoxification (Detox) From Alcohol and/or Drugs
5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: Parts of the specifications for the proposed measure harmonize with some measures but not others. Below we describe similarities and differences between the proposed measure and other
measures. The differences do not impose additional data collection burden to states, because the data elements are available in administrative data and are consistent with some measures states are already likely collecting. Numerator: Timing of continuity of care. The proposed measure specifies continuity of care within 7- and 14-days of discharge and is harmonized with NQF 3312, Continuity of care for Medicaid beneficiaries after detoxification (detox) from alcohol and/or drugs, which also focuses on a SUD population. NQF 0576, 1937, and 2605 all specify follow-up within 7 and 30 days. The populations for NQF 0576 and 1937 include patients with mental health related diagnoses rather than focusing on substance use disorders. NQF 2605 has a target mixed population of mental health and SUD patients. In measure testing, stakeholders expressed concern that 30 days is too long for SUD patients to wait for a continuity of care service after discharge from inpatient or residential care. Timelier follow-up with these patients is needed so as not to lose them. NQF 0004 is partially harmonized with the proposed measure in that the initiation visit is specified as within 14 days of the index episode start date (diagnosis). Diagnoses in the continuity of care visit. The proposed measure is harmonized with NQF 3312 and NQF 0004 by allowing SUD to either be the primary or a secondary diagnosis for treatment services that count toward continuity in the numerator. This is to address potential inaccuracies in how SUD diagnoses are coded. For example, some providers may be concerned about the stigma associated with an SUD diagnosis and therefore code it as a secondary diagnosis. Also, for adults with co-occurring mental health and SUD disorders, the assignment of primary and secondary diagnoses can be challenging and sometimes arbitrary. NQF 2605 does not allow a secondary SUD diagnosis. NQF 0576, NQF 1937, are not clear on whether only a primary diagnosis is allowed in the numerator. Services to include as continuity of care. The proposed measure includes pharmacotherapy and telehealth as services that count as continuity of care. NQF 2605, 0576, and 1937 do not include these services. Adding an SUD medication or telehealth claim as evidence of continuity of care is consistent with recent changes made to the 2018 HEDIS specification of NQF 0004 (National Committee on Quality Assurance, 2018). Practitioners valid for providing follow-up services. The proposed measure and NQF 2605 allow any practitioner to provide follow-up services, because of the expectation that the follow-up services captured in the measure may be provided by primary care clinicians. NQF 0576 and 1937 only allow non-mental health practitioners in specified settings and with specific diagnosis codes. Denominator: Diagnoses in denominator. The denominators for the proposed measure and all the related measures are harmonized in requiring a primary diagnosis for the condition that is the measure’s focus. Age. The proposed measure is intended for an adult Medicaid population. Similar to NQF 3312 and NQF 1937, it includes ages 18-64. The proposed measure excludes adults over 64 years, because complete data on services received by dually-eligible (Medicaid and Medicare) adults are not available in Medicaid data. NQF 2605 includes adults age 18 and older. NQF 0576 includes individuals age 6 and older and NQF 0004 includes age 13 and older. In terms of impact on interpretability, the proposed measure would have lower continuity rates than the measures that have a 30-day follow-up time period and higher continuity rates than the measures that only count non-mental health practitioners in certain settings and with certain diagnosis codes.

5b.1 If competing, why superior or rationale for additive value: Not applicable; there are no competing measures.
Comparison of NQF 3489 and 0576

3489: Follow-Up After Emergency Department Visit for Mental Illness
0576: Follow-Up After Hospitalization for Mental Illness (FUH)

Steward

3489: Follow-Up After Emergency Department Visit for Mental Illness
National Committee for Quality Assurance

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
National Committee for Quality Assurance

Description

3489: Follow-Up After Emergency Department Visit for Mental Illness
The percentage of emergency department (ED) visits for members 6 years of age and older
with a principal diagnosis of mental illness or intentional self-harm, who had a follow-up
visit for mental illness. Two rates are reported:
- The percentage of ED visits for which the member received follow-up within 30 days of
  the ED visit (31 total days).
- The percentage of ED visits for which the member received follow-up within 7 days of the
  ED visit (8 total days).

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
The percentage of discharges for patients 6 years of age and older who were hospitalized
for treatment of selected mental illness diagnoses and who had a follow-up visit with a
mental health practitioner. Two rates are reported:
- The percentage of discharges for which the patient received follow-up within 30 days of
discharge.
- The percentage of discharges for which the patient received follow-up within 7 days of
discharge.

Type

3489: Follow-Up After Emergency Department Visit for Mental Illness
Process

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
Process

Data Source

3489: Follow-Up After Emergency Department Visit for Mental Illness
Claims This measure is based on administrative claims collected in the course of providing
care to health plan members. NCQA collects the Healthcare Effectiveness Data and
Information Set (HEDIS) data for this measure directly from Health Management
Organizations and Preferred Provider Organizations via NCQA’s online data submission
system.

No data collection instrument provided Attachment
3489_FUM_Value_Sets_Spring_2019.xlsx
0576: Follow-Up After Hospitalization for Mental Illness (FUH)

Claims This measure is based on administrative claims collected in the course of providing care to health plan members. NCQA collects the Healthcare Effectiveness Data and Information Set (HEDIS) data for this measure directly from Health Management Organizations and Preferred Provider Organizations via NCQA’s online data submission system.

No data collection instrument provided Attachment 0576_FUH_Value_Sets.xlsx

Level

3489: Follow-Up After Emergency Department Visit for Mental Illness

Health Plan

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

Health Plan, Integrated Delivery System

Setting

3489: Follow-Up After Emergency Department Visit for Mental Illness

Outpatient Services

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

Inpatient/Hospital, Outpatient Services

Numerator Statement

3489: Follow-Up After Emergency Department Visit for Mental Illness

The numerator consists of two rates:
- 30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days).
- 7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days).

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

30-Day Follow-Up: A follow-up visit with a mental health practitioner within 30 days after discharge.

7-Day Follow-Up: A follow-up visit with a mental health practitioner within 7 days after discharge.

Numerator Details

3489: Follow-Up After Emergency Department Visit for Mental Illness

30-day follow-up: The percentage of ED visits for which the member received follow-up within 30 days of the ED visit (31 total days). Any of the following meet criteria for a follow-up visit:
- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An observation visit (Observation Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).
- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

7-day follow-up: The percentage of ED visits for which the member received follow-up within 7 days of the ED visit (8 total days). Any of the following meet criteria for a follow-up visit:

- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- An outpatient visit (Visit Setting Unspecified Value Set with Outpatient POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).
- An outpatient visit (BH Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Visit Setting Unspecified Value Set with Partial Hospitalization POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An intensive outpatient encounter or partial hospitalization (Partial Hospitalization/Intensive Outpatient Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A community mental health center visit (Visit Setting Unspecified Value Set with Community Mental Health Center POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- Electroconvulsive therapy (Electroconvulsive Therapy Value Set) with (Ambulatory Surgical Center POS Value Set; Community Mental Health Center POS Value Set; Outpatient POS Value Set; Partial Hospitalization POS Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

- A telehealth visit (Visit Setting Unspecified Value Set with Telehealth POS Value Set), with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set), with or without a telehealth modifier (Telehealth Modifier Value Set).

- An observation visit (Observation Value Set) with a principal diagnosis of intentional self-harm (Intentional Self-Harm Value Set), with any diagnosis of a mental health disorder (Mental Health Diagnosis Value Set).

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

For both indicators, a follow-up visit includes outpatient visits, intensive outpatient visits or partial hospitalizations that occur on the date of discharge. Any of the following meet criteria for a follow-up visit:

- A visit (FUH Stand Alone Visits Value Set; FUH Visits Group 1 Value Set and FUH POS Group 1 Value Set; FUH Visits Group 2 Value Set and FUH POS Group 2 Value Set) with a mental health practitioner (see definition below).

- A visit to a behavioral healthcare facility (FUH RevCodes Group 1 Value Set).

- A visit to a non-behavioral healthcare facility (FUH RevCodes Group 2 Value Set) with a mental health practitioner.

- A visit to a non-behavioral healthcare facility (FUH RevCodes Group 2 Value Set) with a diagnosis of mental illness (Mental Illness Value Set).

- Transitional care management services (TCM 7 Day Value Set).

The following meets criteria for only the 30-Day Follow-Up indicator:
- Transitional care management services (TCM 14 Day Value Set).
(See corresponding Excel document for the value sets referenced above.)

Mental Health Practitioner Definition:
A practitioner who provides mental health services and meets any of the following criteria:
- An MD or doctor of osteopathy (DO) who is certified as a psychiatrist or child psychiatrist by the American Medical Specialties Board of Psychiatry and Neurology or by the American Osteopathic Board of Neurology and Psychiatry; or, if not certified, who successfully completed an accredited program of graduate medical or osteopathic education in psychiatry or child psychiatry and is licensed to practice patient care psychiatry or child psychiatry, if required by the state of practice.
- An individual who is licensed as a psychologist in his/her state of practice, if required by the state of practice.
- An individual who is certified in clinical social work by the American Board of Examiners; who is listed on the National Association of Social Worker’s Clinical Register; or who has a master’s degree in social work and is licensed or certified to practice as a social worker, if required by the state of practice.
- A registered nurse (RN) who is certified by the American Nurses Credentialing Center (a subsidiary of the American Nurses Association) as a psychiatric nurse or mental health clinical nurse specialist, or who has a master’s degree in nursing with a specialization in psychiatric/mental health and two years of supervised clinical experience and is licensed to practice as a psychiatric or mental health nurse, if required by the state of practice.
- An individual (normally with a master’s or a doctoral degree in marital and family therapy and at least two years of supervised clinical experience) who is practicing as a marital and family therapist and is licensed or a certified counselor by the state of practice, or if licensure or certification is not required by the state of practice, who is eligible for clinical membership in the American Association for Marriage and Family Therapy.
- An individual (normally with a master’s or doctoral degree in counseling and at least two years of supervised clinical experience) who is practicing as a professional counselor and who is licensed or certified to do so by the state of practice, or if licensure or certification is not required by the state of practice, is a National Certified Counselor with a Specialty Certification in Clinical Mental Health Counseling from the National Board for Certified Counselors (NBCC).

Denominator Statement

3489: Follow-Up After Emergency Department Visit for Mental Illness
Emergency department (ED) visits for members 6 years of age and older with a principal diagnosis of mental illness or intentional self-harm on or between January 1 and December 1 of the measurement year.

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
Discharges from an acute inpatient setting (including acute care psychiatric facilities) with a principal diagnosis of mental illness during the first 11 months of the measurement year (i.e., January 1 to December 1) for patients 6 years and older.
**Denominator Details**

**3489: Follow-Up After Emergency Department Visit for Mental Illness**

Age: 6 years and older as of the date of the ED visit  
Benefit: Medical and mental health.  
Continuous Enrollment: Date of emergency department visit through 30 days the ED visit  
Event/diagnosis criteria: An ED visit (ED Value Set) with a principal diagnosis of mental illness or intentional self-harm (Mental Illness Value Set; Intentional Self-Harm Value Set) on or between January 1 and December 1 of the measurement year where the member was 6 years or older on the date of the visit.  
The denominator for this measure is based on ED visits, not on members. If a member has more than one ED visit, identify all eligible ED visits between January 1 and December 1 of the measurement year and do not include more than one visit per 31-day period as described below.  
If a member has more than one ED visit in a 31-day period, include only the first eligible ED visit. For example, if a member has an ED visit on January 1 then include the January 1 visit and do not include ED visits that occur on or between January 2 and January 31; then, if applicable, include the next ED visit that occurs on or after February 1. Identify visits chronologically including only one per 31-day period. Note: Removal of multiple visits in a 31-day period is based on eligible visits. Assess each ED visit for exclusions before removing multiple visits in a 31-day period.  
Exclude ED visits that result in an inpatient stay and ED visits followed by admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit (31 total days), regardless of principal diagnosis for the admission. To identify admissions to an acute or nonacute inpatient care setting:  
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).  
2. Identify the admission date for the stay.  
These events are excluded from the measure because admission to an acute or nonacute inpatient setting may prevent an outpatient follow-up visit from taking place.

**0576: Follow-Up After Hospitalization for Mental Illness (FUH)**

An acute inpatient discharge with a principal diagnosis of mental illness (Mental Illness Value Set) on or between January 1 and December 1 of the measurement year.  
To identify acute inpatient discharges:  
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).  
2. Exclude nonacute inpatient stays (Nonacute Inpatient Stay Value Set).  
3. Identify the discharge date for the stay.  
The denominator for this measure is based on discharges, not on patients. If patients have more than one discharge, include all discharges on or between January 1 and December 1 of the measurement year.  
Acute facility readmission or direct transfer:  
If the discharge is followed by readmission or direct transfer to an acute inpatient care setting for a principal diagnosis of mental health (Mental Health Diagnosis Value Set) within the 30-day follow-up period, count only the last discharge.
To identify readmissions to an acute inpatient care setting:
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Exclude nonacute inpatient stays (Nonacute Inpatient Stay Value Set).
3. Identify the admission date for the stay.
*Due to the extensive volume of codes associated with identifying the denominator for this measure, we are attaching a separate file with value sets. See value sets located in question 5.2b.

Exclusions

3489: Follow-Up After Emergency Department Visit for Mental Illness
Patients in hospice.

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
Exclude from the denominator for both rates, patients who receive hospice services during the measurement year.
Exclude both the initial discharge and the readmission/direct transfer discharge if the readmission/direct transfer discharge occurs after December 1 of the measurement year.
Exclude discharges followed by readmission or direct transfer to a nonacute facility within the 30-day follow-up period regardless of principal diagnosis.
Exclude discharges followed by readmission or direct transfer to an acute facility within the 30-day follow-up period if the principal diagnosis was for non-mental health.
These discharges are excluded from the measure because rehospitalization or transfer may prevent an outpatient follow-up visit from taking place.

Exclusion Details

3489: Follow-Up After Emergency Department Visit for Mental Illness
Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).

0576: Follow-Up After Hospitalization for Mental Illness (FUH)
Exclude patients who use hospice services or elect to use a hospice benefit any time during the measurement year, regardless of when the services began. These patients may be identified using various methods, which may include but are not limited to enrollment data, medical record or claims/encounter data (Hospice Value Set).
Exclude both the initial discharge and the readmission/direct transfer discharge if the last discharge occurs after December 1 of the measurement year.
Exclude discharges followed by readmission or direct transfer to a nonacute care setting within the 30-day follow-up period, regardless of principal diagnosis for the readmission. To identify readmissions to a nonacute inpatient care setting:
1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Confirm the stay was for nonacute care based on the presence of a nonacute code (Nonacute Inpatient Stay Value Set) on the claim.
3. Identify the admission date for the stay.

Exclude discharges followed by readmission or direct transfer to an acute inpatient care setting within the 30-day follow-up period if the principal diagnosis was for non-mental health (any principal diagnosis code other than those included in the Mental Health Diagnosis Value Set). To identify readmissions to an acute inpatient care setting:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Exclude nonacute inpatient stays (Nonacute Inpatient Stay Value Set).
3. Identify the admission date for the stay.

These discharges are excluded from the measure because rehospitalization or transfer may prevent an outpatient follow-up visit from taking place.

- See corresponding Excel document for the Value Sets referenced above in S.2b.

**Risk Adjustment**

**3489: Follow-Up After Emergency Department Visit for Mental Illness**
No risk adjustment or risk stratification

**0576: Follow-Up After Hospitalization for Mental Illness (FUH)**
No risk adjustment or risk stratification

**Stratification**

**3489: Follow-Up After Emergency Department Visit for Mental Illness**
Not applicable.

**0576: Follow-Up After Hospitalization for Mental Illness (FUH)**
N/A

**Type Score**

**3489: Follow-Up After Emergency Department Visit for Mental Illness**
Rate/proportion better quality = higher score

**0576: Follow-Up After Hospitalization for Mental Illness (FUH)**
Rate/proportion better quality = higher score

**Algorithm**

**3489: Follow-Up After Emergency Department Visit for Mental Illness**

Step 1: Determine the eligible population.

Step 1A: Identify patients with who were treated and discharged from an emergency department with a primary diagnosis of mental health. Do not include ED visits that result in an inpatient stay, or are followed by an admission to an acute or nonacute inpatient care setting on the date of the ED visit or within the 30 days after the ED visit.

Step 2: Identify the numerator.

Step 2A: Identify those who had a qualifying follow-up visit within 7 days.

Step 2B: Identify those who had a qualifying follow-up visit within 30 days.

Step 3: Calculate the rates.
Step 3A: Calculate the 7-day rate by dividing the number of ED visits with qualifying follow-up visit within 7 days (Step 2A) by the denominator (Step 1A).

Step 3B: Calculate the 30-day rate by dividing the number of ED visits with qualifying follow-up visit within 30 days (Step 2B) by the denominator (Step 1A).

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

Step 1. Determine the denominator. The denominator is all discharges that meet the specified denominator criteria (S7).

Step 2. Remove exclusions. Remove all discharges from the denominator that meet the specified exclusion criteria (S9).

Step 3. Identify numerator events: Search administrative systems to identify numerator events for all discharges in the denominator (S5).

Step 4. Calculate the rate by dividing the events in step 3 by the discharges in step 2.

Submission items

3489: Follow-Up After Emergency Department Visit for Mental Illness

5.1 Identified measures: 0576: Follow-Up After Hospitalization for Mental Illness (FUH)
5a.1 Are specs completely harmonized? Yes
5a.2 If not completely harmonized, identify difference, rationale, impact: The measure is harmonized with the existing NQF-endorsed measure. The following highlights the differences between the measures: Population focus (denominator): The measure targets patients discharged from the emergency department (not inpatient). Numerator: The measure captures follow-up with a primary mental health diagnosis (regardless of the type of provider).
5b.1 If competing, why superior or rationale for additive value: Not applicable.

0576: Follow-Up After Hospitalization for Mental Illness (FUH)

5.1 Identified measures:
5a.1 Are specs completely harmonized? No
5a.2 If not completely harmonized, identify difference, rationale, impact: N/A
5b.1 If competing, why superior or rationale for additive value: N/A
Appendix F: Pre-Evaluation Comments

No comments were received as of June 5, 2019.