



COLORADO

**Department of Health Care
Policy & Financing**

**FY 2019–2020 Validation of
Performance Measures for
Colorado Community Health Alliance
Region 7**

March 2020

*This report was produced by Health Services Advisory Group, Inc., for
the Colorado Department of Health Care Policy and Financing.*



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Validation Overview

In accordance with 42 CFR §438.330(c), states must require that managed care organizations (MCOs) and Regional Accountable Entities (RAEs) submit performance measurement data as part of their quality assessment and performance improvement programs. The validation of performance measures is one of the mandatory external quality review (EQR) activities that the state Medicaid agencies are required to perform per the Medicaid managed care regulations as described in the Code of Federal Regulations (CFR) §438.358(b)(2). The EQR technical report must include information on the validation of the MCOs' and RAEs' performance measures (as required by the state) or the MCOs' and RAEs' performance measures calculated by the state during the preceding 12 months.

The purpose of performance measure validation (PMV) is to assess the accuracy of performance measures reported by the Department and determine the extent to which the reported rates follow the state specifications and reporting requirements. According to the Centers for Medicare and Medicaid Services' (CMS') *EQR Protocol 2: Validation of Performance Measures Reported by the MCO: A Mandatory Protocol for External Quality Review (EQR)*, Version 2.0, September 1, 2012,¹ the mandatory PMV activity may be performed by the state Medicaid agency, an agent that is not a RAE, or an external quality review organization (EQRO). Health Services Advisory Group, Inc. (HSAG), the EQRO for the Colorado Department of Health Care Policy and Financing (the Department), conducted the validation activities during fiscal year (FY) 2019–2020.

The Department contracted with seven RAEs to provide mental health services to Medicaid-eligible recipients enrolled in Health First Colorado (Colorado's Medicaid Program). The Department identified a set of incentive performance measures for validation for which the RAEs provided data to the Department for the measurement period of July 1, 2018, through June 30, 2019. All measures were calculated by the Department using data submitted by the RAEs. The measures came from multiple sources, including claims/encounter and enrollment/eligibility data.

¹ Department of Health and Human Services, Centers for Medicare & Medicaid Services. *EQR Protocol 2: Validation of Performance Measures Reported by the MCO: A Mandatory Protocol for External Quality Review (EQR)*, Version 2.0, September 2012. Available at: <https://www.medicaid.gov/medicaid/quality-of-care/medicaid-managed-care/external-quality-review/index.html>. Accessed on: Nov 11, 2019.

On-Site Visit Information

Basic information about the on-site visit for **Colorado Community Health Alliance (CCHA)** appears in Table 1, including the location and contact information for the on-site visit.

Table 1—On-Site Visit Information

On-Site Visit Location:	1670 Broadway Street, Denver, CO 80202
Organization Name:	Colorado Department of Healthcare Policy and Financing
Contact Name:	Jerry Ware
Contact Telephone Number:	303.866.2335
Contact Email Address:	Jerry.Ware@state.co.us
On-Site Visit Date:	January 28, 2020

Performance Measures for Validation

HSAG validated rates for a set of performance measures that were selected by the Department for validation. These measures represented HEDIS-like measures and measures developed by the Department and RAEs. The measures were calculated annually.

Table 2 lists the performance measure indicators that HSAG validated and identifies the entity that was responsible for calculating the rates. The indicators are numbered as they appear in the scope document.

Table 2—List of Performance Measure Indicators for Colorado Community Health Alliance

	Indicator	Calculated by:
1	<i>Engagement in Outpatient Substance Use Disorder (SUD) Treatment</i>	Department
2	<i>Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition</i>	Department
3	<i>Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD)</i>	Department
4	<i>Follow-Up After a Positive Depression Screen</i>	Department
5	<i>Behavioral Health Screening or Assessment for Children in the Foster Care System</i>	Department

Description of Validation Activities

Pre-Audit Strategy

HSAG conducted the validation activities as outlined in the CMS PMV Protocol. To complete the validation activities, HSAG obtained a list of the performance measures that were selected by the Department for validation.

HSAG prepared a document request letter that outlined the steps in the PMV process. The document request letter included a request for the source code for each performance measure, a completed Information Systems Capabilities Assessment Tool (ISCAT), additional supporting documentation necessary to complete the audit, a timeline for completion, and instructions for submission. When requested, HSAG addressed ISCAT-related questions directly from the Department during the pre-on-site phase.

Approximately two weeks prior to the on-site visit, HSAG provided the Department with an agenda describing all on-site activities and indicating the type of staff members needed for each session. HSAG also conducted a pre-on-site conference call with the Department to discuss on-site logistics and expectations, important deadlines, outstanding documentation, and answered questions from the Department.

Validation Team

The HSAG PMV team was composed of a lead auditor and several validation team members. HSAG assembled the team based on the skills required for the validation and requirements of the Department. Some team members, including the lead auditor, participated in the on-site meetings at the Department; others conducted their work at HSAG’s offices. Table 3 lists the validation team members and their roles, skills, and expertise.

Table 3—Validation Team

Name and Role	Skills and Expertise
Charlie Chapin, MS, CHCA <i>Practice Leader, Audits/Data Science and Advanced Analytics</i>	Multiple years of auditing experience; certified HEDIS compliance auditor; data integration, systems review, and analysis experience.
Elisabeth Hunt, MHA, CPCS <i>Executive Director; Lead Auditor</i>	Multiple years of experience in conducting audits, including readiness reviews; medical and pharmacy claims systems reviews; and data validation, analyses, and reporting.
Matthew Kelly, MBA <i>Operations Resource Manager; Secondary Auditor</i>	Multiple years of systems analysis, quality improvement, data review and analysis, and healthcare industry experience.

Name and Role	Skills and Expertise
Nicole Jimerson, BS <i>Project Coordinator</i>	Coordinator for the audit department; supports deliverables and timelines, and coordinates source code review activities.
Sarah Lemley <i>Source Code Reviewer</i>	Multiple years of audit-related experience; statistics, analysis, and source code/programming language knowledge.

Technical Methods of Data Collection and Analysis

The CMS PMV Protocol identifies key types of data that should be reviewed as part of the validation process. The following list describes the type of data collected and how it was analyzed by HSAG:

- Information Systems Capabilities Assessment Tool (ISCAT):** The Department completed and submitted an ISCAT of the required measures for HSAG’s review. HSAG used the responses from the ISCAT to complete the pre-on-site assessment of information systems.
- Source code (programming language) for performance measures:** The Department calculated the performance indicators using source code and was required to submit the source code used to generate each performance measure being validated. HSAG completed a line-by-line review of the supplied source code to ensure compliance with the measure specifications. HSAG identified any areas of deviation from the specifications, evaluating the impact to the measure and assessing the degree of bias (if any).
- Supporting documentation:** HSAG requested documentation that would provide reviewers with additional information to complete the validation process, including policies and procedures, file layouts, system flow diagrams, system log files, and data collection process descriptions. HSAG reviewed all supporting documentation, identifying issues or areas needing clarification for further follow up.

On-Site Activities

HSAG conducted an on-site visit with the Department. HSAG collected information using several methods including interviews, system demonstration, review of data output files, primary source verification (PSV), observation of data processing, and review of data reports. The on-site visit activities are described as follows:

- Opening session:** The opening session included introductions of the validation team and key staff members from the Department involved in the PMV activities. The review purpose, required documentation, basic meeting logistics, and queries to be performed were discussed.
- Review of ISCAT and supportive documentation:** This session was designed to be interactive with key staff members from the Department so the validation team could obtain a complete picture of the degree of compliance with written documentation. HSAG conducted interviews to confirm

findings from the documentation review, expanded or clarified outstanding issues, and ascertained that written policies and procedures were used and followed in daily practice.

- **Evaluation of enrollment, eligibility, and claims system and processes:** The evaluation included a review of the information systems, with a focus on the processing of claims and encounters, enrollment and disenrollment data, and provider data. HSAG conducted interviews with key staff members familiar with the processing, monitoring, reporting, and calculating of the performance measures. Key staff members included executive leadership, enrollment specialists, business analysts, and data analytics staff members familiar with the processing, monitoring, and generating of the performance measures.
- **Overview of data integration and control procedures:** The overview included discussion and observation of source code logic, an analysis of how all data sources were combined, and a review of how the analytic file was produced for the reporting of the selected performance indicators. HSAG performed PSV to further validate the output files and reviewed backup documentation on data integration. HSAG also addressed data control and security procedures during this session.
- **Primary source verification (PSV):** HSAG used PSV to further validate the output files. PSV is a review technique used to confirm that the information from the primary source matches the output information used for reporting. The Department provided a listing of the data reported from which HSAG selected sample records.

HSAG selected a random sample from the submitted data and reviewed the data in the Department's systems during the on-site review for verification. This method provided the Department an opportunity to explain its processes as needed for any unique, case-specific nuances that may have impacted final measure reporting. There were specific instances in which a sample case was acceptable based on on-site clarification and follow-up documentation provided by the Department.

Using this method, HSAG assessed the processes used to input, transmit, and track the data; confirm entry; and detect errors. HSAG selected cases across measures to verify that the Department had system documentation that supports the inclusion of the appropriate records for measure reporting.

This method did not rely on a specific number of cases reviewed to determine compliance; rather, it was used to detect errors from a small number of cases. If errors were detected, the outcome was determined based on the type of error. For example, the review of one case may have been sufficient in detecting a programming language error and, as a result, no additional cases related to that issue may have been reviewed. In other scenarios, one case error detected may have resulted in the selection of additional cases to better examine the extent of the issue and its impact on reporting.

- **Closing conference:** The closing conference included a summation of preliminary findings based on the on-site visit and the review of the ISCAT. In addition, the documentation requirements for any post-on-site visit activities were reviewed.

HSAG conducted several interviews with key staff members from the Department who were involved with any aspect of performance indicator reporting. Table 4 displays the Department staff members who attended the on-site visit.

Table 4—List of On-Site Visit Attendees From the Department

Name	Title
James Bloom	Senior Data Analyst
Jerry Ware	Contract Administrator
Vicki Foreman	Service Integration Director
Lawrence Tam	Managed Care Rates Analyst
Adam Schafer	BH+CHP Analyst
Nicole Nyberg	Quality Performance Manager

Data Integration, Data Control, and Performance Measure Documentation

Several aspects involved in the calculation of performance indicator data are crucial to the validation process. These include data integration, data control, and documentation of performance measure calculations. Each of the sections below describes the validation processes used and the validation findings. For more detailed information, please see Appendix B.

Data Integration

Accurate data integration is essential to calculating valid performance measure data. The steps used to combine various data sources (including claim/encounter, eligibility, and other administrative data) must be carefully controlled and validated. HSAG validated the data integration process, which included a comparison of source data to warehouse files and a review of file consolidations or extracts, data integration documentation, source code, production activity logs, and linking mechanisms. By evaluating linking mechanisms, HSAG was able to determine how different data sources (i.e., claims data and membership data) interacted with one another and how certain elements were consolidated readily and used efficiently. Overall, HSAG determined that the data integration processes used by the Department were:

- Acceptable
- Not acceptable

Data Control

The organizational infrastructure must support all necessary information systems. Each quality assurance practice and backup procedure must be sound to ensure timely and accurate processing of data, as well as provide data protection in the event of a disaster. HSAG validated the data control processes, which included a review of disaster recovery procedures, data backup protocols, and related policies and procedures. Overall, HSAG determined that the data control processes in place at the Department were:

- Acceptable
- Not acceptable

Performance Measure Documentation

Complete and sufficient documentation is necessary to support validation activities. While interviews and system demonstrations provided supplementary information, the majority of the validation review findings were based on documentation provided by the Department. HSAG reviewed all related documentation, which included the completed ISCAT, job logs, and computer programming code; output files; workflow diagrams; narrative descriptions of performance measure calculations; and other related documentation. Overall, HSAG determined that the documentation of performance measure data collection and calculations by the Department was:

- Acceptable
- Not acceptable

Validation Results

HSAG evaluated the Department's data systems for the processing of each data type used for reporting the performance indicator data. General findings are indicated below.

Eligibility/Enrollment Data System Findings

HSAG identified no concerns with how **CCHA** received and processed enrollment data.

CCHA received daily 834 change files and monthly full eligibility files from the Department's secure file transfer protocol (FTP) site. The daily files contained enrollment and eligibility reinstatements, adds, terminations, and changes. Each monthly file contained all members enrolled for the month in which it was received. Eligibility was determined in the Department's Interchange system, using policy rules as defined by the program and policy staff members at the Department. Each file was automatically downloaded and scrubbed to determine if the record was a duplicate, new entry, or had any errors. If an error was present, **CCHA** reached out to the state enrollment team at the Department to obtain a resolution, and a manual update would be made in the Department's system until a new 834 file was received. An example of an error included member eligibility changing from one month to the next (e.g., a member is eligible in one month, then shows ineligible for the same month in a future file, etc.). The errors were corrected as the new eligibility files were loaded, since they overwrote the previous information. The Department maintained a change record of eligibility updates.

Members were assigned to **CCHA** based on the provider rendering the service. Since members were assigned this way, the attribution process closed the span before the member would start seeing a new provider in another RAE region. If a member disenrolled and then re-enrolled, he or she kept the same ID. Deceased members were disenrolled on the date of death, which could be retroactively updated.

Claims/Encounter Data System Findings

HSAG identified no issues or concerns with how **CCHA** received, processed, or reported claims and encounter data.

CCHA met with the Department two times per month in order to properly build out its 837 encounter files. All encounters were submitted to the Department through Interchange. Claims and encounters were received and processed the same way and claims were paid weekly. Institutional and professional claims were both submitted through flat files but were paid differently by **CCHA**. Institutional claims were paid based on the overall claim, not based on the different lines in the claim. Professional claims were paid based on procedural code. There were certain checks done by the Department to ensure that encounters were being submitted correctly. Checks included ensuring the 837 files met the Health Insurance Portability and Accountability Act (HIPAA) compliance rules and that there were no errors in the data being submitted. There were also checks to ensure the files followed rules based on CMS and State policies. If issues were identified, the Department communicated these errors to **CCHA**.

The Department started setting up rules in Interchange and these rules were still being clarified so this remains an ongoing iterative process. **CCHA** has communicated and continues to communicate these updated rules to its internal staff members as well as its providers. Certain controls and systems have been setup within **CCHA** to adhere to these rules but are constantly changing and being updated based on the program requirements.

CCHA also submitted a flat file through a secure FTP site monthly to the Department in addition to the 837 file. The flat file was used because **CCHA** experienced challenges with submission of the 837 files to the Department due to field value rejections. If the file was rejected, the Department communicated the rejection to **CCHA** and **CCHA** resubmitted the file within a week.

Data Integration

HSAG identified no issues or concerns with how **CCHA** integrated data and calculated measures.

CCHA had adequate validation and reconciliation processes in place at each data transfer point to ensure data completeness and data accuracy. All cases were identified based on the description provided in the *Regional Accountable Entity Behavioral Health Incentive Specification Document SFY 2018–2019*. **CCHA** submitted the flat files to determine the denominator for each indicator. The exclusions were calculated separately and then combined with the flat files to calculate the rates. All files were submitted to the Department monthly. Monthly checks and annual checks were performed by the Department. The annual checks provided a more in-depth review of the data being submitted by **CCHA**.

Performance Indicator Specific Findings

Based on all validation activities, HSAG determined results for each performance indicator. The CMS PMV Protocol identifies two possible validation finding designations for performance indicators, which are defined in Table 5.

Table 5—Designation Categories for Performance Indicators

Report (R)	Indicator was compliant with the Department’s specifications and the rate can be reported.
Not Reported (NR)	This designation is assigned to indicators for which (1) the RAE rate was materially biased or (2) the RAE was not required to report.

According to the protocol, the validation finding for each indicator is determined by the magnitude of the errors detected for the audit elements, not by the number of audit elements determined to be not compliant based on the review findings. Consequently, an error for a single audit element may result in a designation of “NR” because the impact of the error biased the reported performance indicator by more than 5 percentage points. Conversely, it is also possible that several audit element errors may have little impact on the reported rate, and the measure could be given a designation of “R.”

Table 6 through Table 10 display the review findings and key recommendations for **CCHA** for each validated performance measure. For more detailed information, please see Appendix D.

**Table 6—Key Review Findings for Colorado Community Health Alliance
Indicator 1: Engagement in Outpatient Substance Use Disorder (SUD) Treatment**

Findings
<p>The Department calculated this rate based on claims and encounter data received from CCHA. Encounter data were submitted to the Department in an 837-file format and a flat file format.</p> <p>Prior to the on-site visit, HSAG reviewed the programming code used by the Department for rate calculation and identified no issues or concerns, and the results were provided to the Department. HSAG performed PSV on-site and identified no discrepancies.</p>
Key Recommendations
<p>HSAG has no recommendations for this indicator.</p>

Table 7—Key Review Findings for Colorado Community Health Alliance

Indicator 2: *Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition*

Findings
<p>The Department calculated this rate based on claims and encounter data received from CCHA. Encounter data were submitted to the Department in an 837-file format and a flat file format.</p> <p>Prior to the on-site visit, HSAG reviewed the programming code used by the Department for rate calculation and identified no issues or concerns, and the results were provided to the Department. HSAG performed PSV on-site and identified no discrepancies.</p>
Key Recommendations
<p>HSAG has no recommendations for this indicator.</p>

Table 8—Key Review Findings for Colorado Community Health Alliance

Indicator 3: *Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD)*

Findings
<p>The Department calculated this rate based on claims and encounter data received from CCHA. Encounter data were submitted to the Department in an 837-file format and a flat file format.</p> <p>Prior to the on-site visit, HSAG reviewed the programming code used by the Department for rate calculation and identified no issues or concerns, and the results were provided to the Department. HSAG performed PSV on-site and identified no discrepancies.</p>
Key Recommendations
<p>HSAG has no recommendations for this indicator.</p>

Table 9—Key Review Findings for Colorado Community Health Alliance

Indicator 4: *Follow-Up After a Positive Depression Screen*

Findings
<p>The Department calculated this rate based on claims and encounter data received from CCHA. Encounter data were submitted to the Department in an 837-file format and a flat file format.</p> <p>Prior to the on-site visit, HSAG reviewed the programming code used by the Department for rate calculation and identified no issues or concerns, and the results were provided to the Department. HSAG performed PSV on-site and identified no discrepancies.</p>
Key Recommendations
<p>HSAG has no recommendations for this indicator.</p>

**Table 10—Key Review Findings for Colorado Community Health Alliance
Indicator 5: Behavioral Health Screening or Assessment for Children in the Foster Care System**

Findings
<p>The Department calculated this rate based on claims and encounter data received from CCHA. Encounter data were submitted to the Department in an 837-file format and a flat file format.</p> <p>Prior to the on-site visit, HSAG reviewed the programming code used by the Department for rate calculation and identified no issues or concerns, and the results were provided to the Department. HSAG performed PSV on-site and identified no discrepancies.</p>
Key Recommendations
<p>HSAG has no recommendations for this indicator.</p>

Table 11 lists the validation result for each performance measure indicator for **CCHA**.

Table 11—Summary of Results

#	Indicator	Validation Result
1	<i>Engagement in Outpatient Substance Use Disorder (SUD) Treatment</i>	R
2	<i>Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition</i>	R
3	<i>Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD)</i>	R
4	<i>Follow-Up After a Positive Depression Screen</i>	R
5	<i>Behavioral Health Screening or Assessment for Children in the Foster Care System</i>	R

Appendix A. RAE Performance Measure Definitions

Indicators

#	Indicator	Calculated by:
1	<i>Engagement in Outpatient Substance Use Disorder (SUD) Treatment</i>	Department
2	<i>Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition</i>	Department
3	<i>Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD)</i>	Department
4	<i>Follow-Up After a Positive Depression Screen</i>	Department
5	<i>Behavioral Health Screening or Assessment for Children in the Foster Care System</i>	Department

The Department collaborated with the RAEs to create a scope document that serves as the specifications for the performance measures being validated. Following is the *Regional Accountable Entity Behavioral Health Incentive Specification Document SFY 2018–2019*, Version 11, dated December 16, 2019. Please note that the complete scope document is not listed in this appendix. The table of contents and corresponding page numbers have been modified for use in this report; however, the verbiage for the measures validated under the scope of the review is reproduced in its entirety.

Regional Accountable Entity

Behavioral Health Incentive Specification Document
SFY 2018-2019



This document includes the details for calculations of the Regional Accountable Entity Behavioral Health Incentive Measures for the seven Regional Accountable Entities. All measures are calculated using paid claims/encounters data.

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Indicator 4	Follow-Up after a Positive Depression Screen	HCPF	A-18
Indicator 5	Behavioral Health Screening or Assessment for Children in the Foster Care System	HCPF	A-22

Indicator 1: Engagement in Outpatient Substance Use Disorder (SUD) Treatment

Measure Description

The percentage of members who had two or more outpatient services for a primary diagnosis of SUD on or within 30 days of their first episode of substance use disorder treatment.

Measurement Period

Triggering event: July 1, 2018 to June 1, 2019

Full measurement period: July 1, 2018 to June 30, 2019

Denominator

Members will be included in the denominator if they are enrolled in the ACC and received an intake service for a primary covered SUD diagnosis (see Appendix A). For an outpatient visit, or intensive outpatient visit use the first date of service to determine the intake date. For an episode of detoxification use the last date of the first detox episode to determine the intake date.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Enrolled in the ACC	1		and	During evaluation period
Initiated treatment for a primary Covered SUD diagnosis (see Appendix A)	1	Codes to Identify Detoxification		During the evaluation period
		S3005, T1007, T1019, T1023	or	
		Codes to Identify Outpatient or Intensive Outpatient Visit		
		HCPCS		
		G0176, G0177, H0001, H0002, H0004, H0005, H0007, H0015, H0020, H0022, H0031, H0033, H0034, H0035, H0036, H0037, H0039, H0040, H2000, H2001, H2011, H2012, H2013, H2014, H2015, H2016, H2017, H2018, H2035, H2036, S9480, S9485, T1006, T1012	or	
		CPT		
		99202-99205, 99211-99215, 99217-99220, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99242-99245, 99341-99345, 99347-99350, 90791, 90792, 90832-90834,	or	

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
		90836-90840, 90847, 90849, 90853, 90875, 90876		

Population Exclusions

Members are excluded if there is previous substance use treatment history in the past 60 days.

Numerator

Members in the denominator who have had at least two or more outpatient visits or intensive outpatient encounters with any primary SUD diagnosis (see Appendix A) on or within 30 days after the date of the initiation encounter (inclusive). Multiple engagement visits may occur on the same day.

Notes:

1. Do not count events that include inpatient detoxification or detoxification codes (see table below) when identifying engagement of SUD treatment.
2. Billing provider type is only used on FFS data for the calculation of this metric.

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
Members included in the denominator	1				and	During evaluation period
Two or more outpatient visits with a PCMP	1	90791, 90832, 90834, 90837, 90846, 90847			or	Within 30 days after initiation encounter
Two or more outpatient visits or intensive outpatient encounters with a primary covered SUD diagnosis (see Appendix A).	1	Codes to Identify Outpatient or Intensive Outpatient Visit			or	Within 30 days after initiation encounter
		HCPC	with	Billing Provider Type		
		G0176, G0177, H0001, H0002, H0004, H0005, H0007, H0015, H0020, H0022, H0031, H0033, H0034, H0035, H0036, H0037, H0038, H0039, H0040, H2000, H2001, H2011, H2012, H2013, H2014, H2015, H2016, H2017,			63, 64, 37, 35, 38, 25	

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		H2018, H2035, H2036, S9480, S9485, T1006, T1012				
		CPT		Billing Provider Type		
		99202-99205, 99211-99215, 99217-99220, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99242-99245, 99341-99345, 99347-99350, 90791, 90792, 90832-90834, 90836-90840, 90847, 90849, 90853, 90875, 90876	With	63, 64, 37, 35, 38, 25	or	
		UB Revenue Codes				
		The organization does not need to determine practitioner type for follow-up visits identified by the following UB Revenue codes. Visits identified by the following Revenue codes must be used in conjunction with any primary covered Substance Use diagnosis code (see Appendix A).				
		Revenue Code		Billing Provider Type		
		0529, 0900, 0914, 0915	with	01	or	Within 30 days after initiation encounter
		UB Revenue Code 0900 with the following				
		CPT/HCPC		Billing Provider Type		
		G0176, G0177, H0001, H0002, H0004, H0005, H0007, H0015, H0020, H0022, H0031, H0033,	With	32, 45	or	Within 30 days after initiation encounter

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
		H0034, H0035, H0036, H0037, H0038, H0039, H0040, H2000, H2001, H2011, H2012, H2013, H2014, H2015, H2016, H2017, H2018, H2035, H2036, S9480, S9485, T1006, T1012 99202-99205, 99211- 99215, 99217-99220, 99221-99223, 99231- 99233, 99238, 99239, 99251-99255, 99242-99245, 99341- 99345, 99347-99350, 90791, 90792, 90832-90834, 90836- 90840, 90847, 90849, 90853, 90875, 90876		

Continuous Enrollment Criteria

Members must be continuously enrolled in the ACC on the date of intake through 30 days after the intake date, with no gaps.

Data Source

- RAE claims/encounter systems
- FFS Claims

Calculation of Measure

This measure will be calculated by the Department.

Indicator 2: Follow-up appointment within 7 days of an Inpatient Hospital discharge for a mental health condition

Measure Description

The percentage of member discharges from an inpatient hospital episode for treatment of a primary covered mental health diagnosis to the community or a non-24-hour treatment facility who were seen on an outpatient basis by a mental health provider on or within 7 days of discharge.

Measurement Period

Triggering event: July 1, 2018 to June 24, 2019

Full measurement period: July 1, 2018 to June 30, 2019

Denominator

Members will be included in the denominator if they are enrolled in the ACC and received a discharge from an inpatient hospital episode for treatment of a primary covered mental health diagnosis (See Appendix A) to the community or a non-24-hour treatment facility.

Notes:

1. The Department will not exclude state hospital stays not paid under Medicaid due to lack of data.
2. Billing provider type is only used on FFS data for the calculation of this metric.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Enrolled in the ACC	1		and	During evaluation period
Member discharged from an inpatient hospital episode for a primary covered mental health diagnosis (see Appendix A).	1	UB Revenue Code 100-219 or 0100-0219		

Population Exclusions

Members with a non-acute care discharge will be excluded from the denominator based on the chart below.

Codes to Identify Non-Acute Care					
Condition Description	Billing Provider Type	HCPCS	UB Revenue	UB Type of Bill	POS
Hospice			0115, 0125, 0135, 0145, 0155, 0650, 0656, 0658, 0659	81x, 82x	34
SNF			019x	21x, 22x	31, 32
Hospital transitional care, swing bed or rehabilitation				18x, 28x	
Rehabilitation			0118, 0128, 0138, 0148, 0158		
Respite			655		
Intermediate care facility					54
Residential substance abuse treatment facility			1002		55
Psychiatric residential treatment center		H0017-H0019	1001		56
Psychiatric residential treatment center (when services are paid for by Fee For Service)	30		0911		
Residential Child Care Facility (when services are paid for by Fee For Service)	52	90791, 90792, 90785, 90832, 90834, 90837, 90846, 90847, 90853, 96101, 96102, 90833, 90836, 90839, 90840, 90863			11, 14
Comprehensive inpatient rehabilitation facility					61
Other non-acute care facilities that do not use the UB Revenue or type of bill codes for billing (e.g. ICF, SNF)					

The following are exclusions from the denominator:

- If the discharge is followed by readmission or direct transfer to an emergency department for a primary diagnosis of mental health- within the 7-day follow-up period, count only the readmission discharge or the discharge from the emergency department to which the patient was transferred.
- Exclude discharges followed by admission or direct transfer to an acute or nonacute facility within the 7-day follow-up period, regardless of primary diagnosis for the admission.

These discharges are excluded from the measure because hospitalization or transfer may prevent an outpatient follow-up visit from taking place.

Numerator

Members in the denominator who were seen on an outpatient basis (this excludes case management) with a mental health provider on or within 7 days of discharge.

Notes:

1. Billing provider type is only used on FFS data for the calculation of this metric.

Condition Description	# Event	Detailed Criteria		Criteria Connector	Timeframe
Member included in the denominator	1	and			Within 7 days of the discharge
Outpatient visit with a PCMP	1	90791, 90832, 90834, 90837, 90846, 90847		or	Within 7 days of the discharge
Mental health (outpatient) follow-up visit with a mental health provider	1	Codes to Identify Mental Health Visits			
		HCPCS	with	Billing Provider Type	or
		G0176, G0177, H0002, H0004, H0031, H0034-H0037, H0039, H0040, H2000, H2001, H2011, H2012, H2014-H2018, H2022, M0064, S9480, S9485		37, 35, 38, 28	
		CPT	with	Billing Provider Type	or
98960-98962, 99201-99205,	37, 35, 38, 28				

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		99211-99215, 99217-99220, 99242-99245, 99341-99345, 99347-99350				
		CPT	with	Billing Provider Type	or	
		90791, 90792, 90832, 90834, 90837, 90839, 90847, 90849, 90853, 90870, 90875, 90876, 99221-99223, 99231-99233, 99238, 99239, 99251-99255		37, 35, 38, 28		
		UB Revenue Codes				Within 7 days of the discharge
		<i>The organization does not need to determine practitioner type for follow-up visits identified by the following UB Revenue codes. Visits identified by the following Revenue codes must be used in conjunction with any primary covered Mental Health diagnosis code (see Appendix A).</i>				
		Revenue Code	With	Billing Provider Type	or	
		0900, 0914, 0915, 0529		01		
		UB Revenue Code 0900 with the following				Within 7 days of the discharge
		CPT/HCPC	With	Billing Provider Type	or	
		G0176, G0177, H0002, H0004, H0031, H0034- H0037, H0039, H0040, H2000, H2001, H2011, H2012, H2014- H2018, H2022, M0064, S9480, S9485, 98960- 98962, 99201- 99205, 99211-		32, 45		

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		99215, 99217-99220, 99242-99245, 99341-99345, 99347-99350, 90791, 90792, 90832, 90834, 90837, 90839, 90847, 90849, 90853, 90870, 90875, 90876, 99221-99223, 99231-99233, 99238, 99239, 99251-99255				

* For each denominator event (discharge), the follow-up visit must occur after the applicable discharge. An outpatient visit on the date of discharge should be included in the measure.

Continuous Enrollment Criteria

Members must be continuously enrolled in the ACC from date of discharge for 7 days, with no gaps.

Data Source

RAE claims/encounter systems

FFS Claims

Calculation of Measure

This measure will be calculated by the Department.

Indicator 3: Follow-up Appointment within 7 days of an Emergency Department (ED) visit for a Substance Use Disorder

Measure Description

The percentage of member discharges from an emergency department episode for treatment of a covered substance use disorder (SUD) to the community or a non-24-hour treatment facility who were seen on an outpatient basis by a behavioral health provider on or within 7 days of discharge.

Measurement Period

Triggering event: July 1, 2018 to June 24, 2019

Full measurement period: July 1, 2018 to June 30, 2019

Denominator

Members will be included in the denominator if they are enrolled in the ACC and received a discharge from an emergency department episode for treatment of a primary covered substance use disorder diagnosis (see Appendix A) to the community or a non-24-hour treatment facility.

Notes:

1. The Department will not exclude state hospital stays not paid under Medicaid due to lack of data.
2. Billing provider type is only used on FFS data for the calculation of this metric.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Enrolled in the ACC	1		and	During evaluation period
Member discharge from an emergency department episode for a primary substance use disorder diagnosis (see Appendix A).	1	UB Revenue Code		
		45x or 045x	or	
		CPT		
		99281-99285	or	

Population Exclusions

Members with a non-acute care discharge will be excluded from the measure.

Codes to Identify Non-Acute Care					
Condition Description	Billing Provider Type	HCPCS	UB Revenue	UB Type of Bill	POS
Hospice			0115, 0125, 0135, 0145, 0155, 0650, 0656, 0658, 0659	81x, 82x	34
SNF			019x	21x, 22x	31, 32
Hospital transitional care, swing bed or rehabilitation				18x, 28x	
Rehabilitation			0118, 0128, 0138, 0148, 0158		
Respite			655		
Intermediate care facility					54
Residential substance abuse treatment facility			1002		55
Psychiatric residential treatment center		H0017-H0019	1001		56
Psychiatric residential treatment center (when services are paid for by Fee For Service)	30		0911		
Residential Child Care Facility (when services are paid for by Fee For Service)	52	90791, 90792, 90785, 90832, 90834, 90837, 90846, 90847, 90853, 96101, 96102, 90833, 90836, 90839, 90840, 90863			11, 14
Comprehensive inpatient rehabilitation facility					61
Other non-acute care facilities that do not use the UB Revenue or type of bill codes for billing (e.g. ICF, SNF)					

The following are exclusions from the denominator:

- If the discharge is followed by readmission or direct transfer to an emergency department for a primary diagnosis of substance use disorder (SUD) within the 7-day follow-up period, count only the readmission discharge or the discharge from the emergency department to which the patient was transferred.
- Exclude discharges followed by admission or direct transfer to an acute or nonacute facility within the 7-day follow-up period, regardless of primary diagnosis for the admission.

These discharges are excluded from the measure because hospitalization or transfer may prevent an outpatient follow-up visit from taking place.

Numerator

Members in the denominator who were seen on an outpatient basis (this excludes case management) with a behavioral health provider on or within 7 days of discharge.

Condition Description	# Event	Detailed Criteria		Criteria Connector	Timeframe	
Member included in the denominator	1			and	Within 7 days of the discharge	
Outpatient visit with a PCMP	1	90791, 90832, 90834, 90837, 90846, 90847		or	Within 7 days of the discharge	
Substance Use Disorder (outpatient) follow-up visit with a behavioral health provider	1	Codes to Identify Detoxification			or	
		HCPCS	with	Billing Provider Type		
		S3005, T1007, T1019, T1023		63, 64, 37, 35, 38, 25		
		Codes to Identify Behavioral Health Visits				
HCPC	with	Billing Provider Type				
G0176, G0177, H0001, H0002, H0004, H0005, H0007, H0015, H0020, H0022, H0031, H0033, H0034, H0035, H0036, H0037, H0039, H0040, H2000, H2001, H2011, H2012,		63, 64, 37, 35, 38, 25				

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		H2013, H2014, H2015, H2016, H2017, H2018, H2035, H2036, S9480, S9485, T1006, T1012				
		CPT		Billing Provider Type		
		99202-99205, 99211-99215, 99217-99220, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99242-99245, 99341-99345, 99347-99350, 90791, 90792, 90832-90834, 90836-90840, 90847, 90849, 90853, 90875, 90876	with	63, 64, 37, 35, 38, 25	or	Within 7 days of the discharge
		UB Revenue Codes				
		<i>The organization does not need to determine practitioner type for follow-up visits identified by the following UB Revenue codes. Visits identified by the following Revenue codes must be used in conjunction with any primary covered Substance Use diagnosis code (see Appendix A).</i>				
		Revenue Code		Billing Provider Type		
		0529, 0900, 0914, 0915	with	01	or	Within 7 days of the discharge
		UB Revenue Code 0900 with the following				
		CPT/HCPC		Billing Provider Type		
		S3005, T1007, T1019, T1023, G0176, G0177,	with	32, 45	or	Within 7 days of the discharge

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
		H0001, H0002, H0004, H0005, H0007, H0015, H0020, H0022, H0031, H0033, H0034, H0035, H0036, H0037, H0039, H0040, H2000, H2001, H2011, H2012, H2013, H2014, H2015, H2016, H2017, H2018, H2035, H2036, S9480, S9485, T1006, T1012 99202-99205, 99211-99215, 99217-99220, 99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99242-99245, 99341-99345, 99347-99350, 90791, 90792, 90832-90834, 90836-90840, 90847, 90849, 90853, 90875, 90876		

Continuous Enrollment Criteria

Members must be continuously enrolled in the ACC from date of discharge for 7 days, with no gaps.

Data Source

RAE claims/encounter systems

FFS Claims

Calculation of Measure

This measure will be calculated by the Department.

Indicator 4: Follow-up after a Positive Depression Screen

Measure Description

Percentage of members engaged in mental health service on or within 30 days of screening positive for depression within a Primary Care Setting.

*In order to qualify for payment, depression screening rates cannot fall below 7%, as identified by the number of members with an outpatient primary care visit in the evaluation period who received a depression screening (G8431, G8510)

Measurement Period

Triggering event: July 1, 2018 to June 1, 2019

Full measurement period: July 1, 2018 to June 30, 2019

Denominator

All members with a positive depression screening as identified by procedure code G8431 in a primary care setting.

Notes:

1. Billing provider type is only used on FFS data for the calculation of this metric.

Exclusions from the Denominator:

1. Exclude members under 1 year old

Numerator

All members with a positive depression screen who also received one of the following services the same day or within 30 days:

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe	
Members included in the denominator	1		and	During evaluation period	
Outpatient visit with a PCMP	1	90791, 90832, 90834, 90837, 90846, 90847	or	Within 30 days of the positive depression screen	
At least one of the following services	1	Codes to identify follow-up Assessment in any setting (Behavioral Health or Primary Care)			Within 30 days of the Positive Depression Screen
		CPT	with	Billing Provider Type	

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		90791, 90792, 90832, 90834, 90837, 90846, 90847		35, 37, 38, 41, 25, 26, 05, 39		
		Codes to identify follow-up Assessment in a Behavioral Health Setting using a Behavioral Health Screen or Evaluation and Management Codes, including Emergency Department E&M Codes and Consultation E&M Codes				
		CPT/HCPC		Billing Provider Type		
		H0002, 90833, 90836, 90838, 99201- 99205, 99211- 99215, 99217- 99226, 99231- 99236, 99238, 99239, 99304- 99310, 99315, 99316, 99318, 99324- 99328, 99334- 99337, 99341- 99345, 99347- 99350, 99366, 99367,	With	37, 35, 38, 25	Or	

Condition Description	# Event	Detailed Criteria			Criteria Connector	Timeframe
		99368, 99441- 99443, 99281- 99285, 99241- 99245, 99251- 99255				
		UB Revenue Code 0529 or 0900 with the following				Within 30 days of the Positive Depression Screen
		CPT/HCPC	with	Billing Provider Type	or	
		H0002, 90791, 90792, 90832, 90833, 90834, 90836, 90837, 90838, 90846, 90847, 99201- 99205, 99211- 99215, 99217- 99226, 99231- 99236, 99238, 99239, 99304- 99310, 99315, 99316, 99318, 99324- 99328, 99334- 99337, 99341-		32, 45		

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
		99345, 99347- 99350, 99366, 99367, 99368, 99441- 99443, 99281- 99285, 99241- 99245, 99251- 99255		

Continuous Enrollment Criteria

Members must be continuously enrolled in the ACC on the date of the positive depression screen for 30 days, with no gaps.

Data Source

- RAE claims/encounter systems
- FFS Claims
- MCO Encounters as appropriate

Calculation of Measure

This measure will be calculated by the Department.

Indicator 5: Behavioral Health Screening or Assessment for children in the Foster Care system

Measure Description

Percentage of foster care children who received a behavioral screening or assessment on or within 30 days of ACC enrollment.

Measurement Period

Triggering event: July 1, 2018 to June 1, 2019

Full Measurement Period: July 1, 2018 to June 30, 2019

Denominator

Total number of members who became Medicaid eligible on or after July 1, 2018 based on aid code and are assigned to a RAE. Members must be continuously enrolled for 30 days from the date of ACC enrollment.

Notes:

1. Billing provider type is only used on FFS data for the calculation of this metric.
2. If a member moves from one aid category to another, they will not be added to the denominator a second time. Only members new to foster care will count in the denominator.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Members who became Medicaid eligible based on aid code, are enrolled in a RAE for 30 days from the date of ACC enrollment	1	Aid Codes used to identify members	and	During the evaluation period
		10, 11, 12, 13, 19, 20, 23		

Population Exclusions

Condition Description	Billing Provider Type	HCPCS	UB Revenue	UB Type of Bill	POS
Psychiatric residential treatment center (when services are paid for by Fee For Service)	30		0911		
Residential Child Care Facility (when	52	90791, 90792, 90785, 90832,			11, 14

Condition Description	Billing Provider Type	HCPCS	UB Revenue	UB Type of Bill	POS
services are paid for by Fee For Service)		90834, 90837, 90846, 90847, 90853, 96101, 96102, 90833, 90836, 90839, 90840, 90863			

Exclude members with aid code 70 from denominator.

Numerator

Total number of members from the denominator who received one of the following services on or within 30 days of ACC enrollment:

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Members included in the denominator	1		and	During evaluation period
Outpatient visit with a PCMP	1	90791, 90832, 90834, 90837, 90846, 90847	or	Within 30 days from the date of RAE enrollment
At least one of the following services	1	Codes to identify follow-up Assessment in a Behavioral Health Setting using a Behavioral Health Screen or Evaluation and Management Codes, including Emergency Department E&M Codes and Consultation E&M Codes		Within 30 days from the date of RAE enrollment
		CPT/HCPC	with	

Condition Description	# Event	Detailed Criteria		Criteria Connector	Timeframe
		H0002, 90791, 90792, 90832, 90833, 90834, 90836, 90837, 90838, 90846, 90847, 99201-99205, 99211-99215, 99217-99226, 99231-99236, 99238, 99239, 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337, 99341-99345, 99347-99350, 99366, 99367, 99368, 99441-99443, 99281-99285, 99241-99245, 99251-99255		37, 35, 38, 25,	
		UB Revenue Code 0529 or 0900 with the following		Billing Provider Type	Within 30 days from the date of RAE enrollment
		CPT/HCPC		32, 45	
		H0002, 90791, 90792, 90832, 90833, 90834, 90836, 90837, 90838, 90846, 90847, 99201-99205, 99211-99215, 99217-99226, 99231-99236, 99238, 99239, 99304-99310, 99315, 99316, 99318, 99324-99328, 99334-99337, 99341-99345, 99347-99350,	with		

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
		99366, 99367, 99368, 99441-99443, 99281-99285, 99241-99245, 99251-99255		

Continuous Enrollment Criteria

Members must be continuously enrolled in the ACC for 30 days from the time enrollment began.

Data Source

RAE claims/encounter systems
FFS Claims

Calculation of Measure

This measure will be calculated by the Department.

Appendix B. Data Integration and Control Findings

Documentation Worksheets

On-Site Visit Date:	January 28, 2020
Reviewer:	Elisabeth Hunt

Data Integration and Control Element	Met	Not Met	N/A	Comments
Accuracy of data transfers to assigned performance measure data repository.				
<ul style="list-style-type: none"> The Department accurately and completely processes transfer data from the transaction files (e.g., membership, provider, encounter/claims) into the repository used to keep the data until the calculations of the performance measures have been completed and validated. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Samples of data from the repository are complete and accurate. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Accuracy of file consolidations, extracts, and derivations.				
<ul style="list-style-type: none"> The Department's processes to consolidate diversified files and to extract required information from the performance measure data repository are appropriate. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Actual results of file consolidations or extracts are consistent with results expected from documented algorithms or specifications. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Procedures for coordinating the activities of multiple subcontractors ensure the accurate, timely, and complete integration of data into the performance measure database. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Computer program reports or documentation reflect vendor coordination activities, and no data necessary to performance measure reporting are lost or inappropriately modified during transfer. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Data Integration and Control Element	Met	Not Met	N/A	Comments
If the Department and the RAE use a performance measure data repository, the structure and format facilitate any required programming necessary to calculate and report required performance measures.				
<ul style="list-style-type: none"> The repository’s design, program flow charts, and source codes enable analyses and reports. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Proper linkage mechanisms have been employed to join data from all necessary sources (e.g., identifying a member with a given disease/condition). 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Assurance of effective management of report production and reporting software.				
<ul style="list-style-type: none"> Documentation governing the production process, including Department production activity logs and staff review of report runs, is adequate. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Prescribed data cutoff dates are followed. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The Department retains copies of files or databases used for performance measure reporting in the event that results need to be reproduced. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	While copies of the files were appropriately retained, HSAG recommends the Department also retain the member-level detail data for each indicator in a readily retrievable/viewable file that is applicable to each RAE.
<ul style="list-style-type: none"> The reporting software program is properly documented with respect to every aspect of the performance measure data repository, including building, maintaining, managing, testing, and report production. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The Department’s processes and documentation comply with standards associated with reporting program specifications, code review, and testing. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Appendix C. Denominator and Numerator Validation Findings

Reviewer Worksheets

On-Site Visit Date:	January 28, 2020
Reviewer:	Elisabeth Hunt

Denominator Elements for Colorado Community Health Alliance				
Audit Element	Met	Not Met	N/A	Comments
<ul style="list-style-type: none"> For each of the performance measures, all members of the relevant populations identified in the performance measure specifications are included in the population from which the denominator is produced. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Adequate programming logic or source code exists to appropriately identify all relevant members of the specified denominator population for each of the performance measures. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The Department has correctly calculated member months and years, if applicable to the performance measure. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The Department has properly evaluated the completeness and accuracy of any codes used to identify medical events, such as diagnoses, procedures, or prescriptions, and these codes have been appropriately identified and applied as specified in each performance measure. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Parameters required by the specifications of each performance measure are followed (e.g., cutoff dates for data collection, counting 30 calendar days after discharge from a hospital, etc.). 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Exclusion criteria included in the performance measure specifications have been followed. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Systems or methods used to estimate populations when they cannot be accurately or completely counted (e.g., newborns) are valid. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Numerator Elements for Colorado Community Health Alliance				
Audit Element	Met	Not Met	N/A	Comments
<ul style="list-style-type: none"> The Department has used appropriate data, including linked data from separate data sets, to identify the entire at-risk population. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Qualifying medical events (such as diagnoses, procedures, prescriptions, etc.) are properly identified and confirmed for inclusion in terms of time and services. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The Department has avoided or eliminated all duplication of counted members or numerator events. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Any nonstandard codes used in determining the numerator have been mapped to a standard coding scheme in a manner that is consistent, complete, and reproducible, as evidenced by a review of the programming logic or a demonstration of the program. 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Nonstandard codes were not used by the RAE to determine numerator events.
<ul style="list-style-type: none"> Parameters required by the specifications of the performance measure are adhered to (e.g., the measured event occurred during the time period specified or defined in the performance measure). 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Appendix D. Performance Measure Results Tables

Performance Measure Results Tables

Included below are the final, approved measure results for the measures included in the scope of HSAG’s audit. The measurement period for performance measures validated in FY 2019–2020 is July 1, 2018, through June 30, 2019.

Indicator 1: Engagement in Outpatient Substance Use Disorder (SUD) Treatment

Table D-1—Engagement in Outpatient Substance Use Disorder (SUD) Treatment for Colorado Community Health Alliance

Population	Denominator	Numerator	Rate
All Ages	4,368	2,403	55.01%

Indicator 2: Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition

Table D-2—Follow-Up Within 7 Days of an Inpatient Hospital Discharge for a Mental Health Condition for Colorado Community Health Alliance

Population	Denominator	Numerator	Rate
All Ages	2,531	1,845	72.90%

Indicator 3: Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD)

Table D-3—Follow-Up Within 7 Days of an Emergency Department (ED) Visit for Substance Use Disorder (SUD) for Colorado Community Health Alliance

Population	Denominator	Numerator	Rate
All Ages	2,837	1,050	37.01%

Indicator 4: *Follow-Up After a Positive Depression Screen*

**Table D-4—*Follow-Up After a Positive Depression Screen*
for Colorado Community Health Alliance**

Population	Denominator	Numerator	Rate
All Ages	4,978	2,946	59.18%

Indicator 5: *Behavioral Health Screening or Assessment for Children in the Foster Care System*

**Table D-5—*Behavioral Health Screening or Assessment for Children in the Foster Care System*
for Colorado Community Health Alliance**

Population	Denominator	Numerator	Rate
All Ages	375	73	19.47%