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Colorado Department of Health Care Policy and Financing

Accountable Care Collaborative (ACC) Key Performance Indicators (KPI) Methodology State Fiscal Year 2018-19

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SECTION 1: INTRODUCTION

1.1 Overview

The Accountable Care Collaborative (ACC) Key Performance Indicators (KPI) Methodology document describes the approach Truven Health Analytics (Truven Health) uses for calculating the KPIs and other measures for the ACC program.

Incentive Payments are a central component of the ACC Pay-for-Performance. Since the initiation of the ACC Program, the Department has made incentive payments for performance on identified Key Performance Indicators (KPIs) to signal program-level goals and objectives; encourage improved performance at the PCMP and regional level; and reward managed care entities and PCMPs for meeting certain levels of performance. In Phase II of the ACC, incentive payments for KPIs are one of four components of Pay-for-Performance. They complement the Behavioral Health Incentive program and public reporting efforts.

The Phase II KPIs are designed to assess the functioning of the overall system and the individual RAEs and are not as focused on practice-level performance. For this reason, some of the measures are not traditional HEDIS or clinical measures. The Department has attempted to choose measures that indicate the RAEs' progress building a coordinated, community-based approach to serve the needs of Members, reduce costs, and promote health and wellbeing in their region.

1.2 Purpose

The purpose of this document is to describe the methodologies used to calculate KPI performance incentive payments for Regional Accountable Entities (RAEs) and Primary Care Medical Providers (PCMPs) participating in the Accountable Care Collaborative (ACC) in State Fiscal Year (SFY) 18-19.

1.3 Scope

This document addresses only the methodology utilized to calculate the ACC KPIs and other program measures.

1.4 Document Maintenance

This document will be reviewed annually at the start of the new State Fiscal Year and updated as necessary. This document contains a Revision History log on the Document Information page (see page i). When changes occur, the version number will be updated to the next increment as well as the revision date and change description. Unless otherwise noted, the author of the revision will be the document's author, as identified in the Document Identification table, which is also on the Document Information page.

SECTION 2: DATA REQUIREMENTS

The KPIs are calculated for Regional Accountable Entities (RAEs) and Primary Care Medical Providers (PCMPs) participating in the Accountable Care Collaborative (ACC) program based on the members' utilization of services.

2.1 Background

ACC population: Four dollars of the per-member per-month (PMPM) payment to each RAE is withheld by the Department of Health Care Policy and Financing (the Department). RAEs are eligible to receive the four dollar withhold by achieving performance thresholds for the KPIs including:

- Behavioral Health Engagement
- Dental Visits
- Well Visits
- Prenatal Engagement
- Emergency Department (ED) Visits
- Potentially Avoidable Costs¹
- Health Neighborhood

Each KPI calculation is based on the utilization of services by the population enrolled in the ACC. The following sections describe the differences in the methodologies used to calculate and evaluate these measures.

2.2 Evaluation and Baseline Period

Monthly, KPI performance is calculated. Each evaluation period is twelve rolling months of data based on service/eligibility dates allowing for three months of claims runout. The baseline period is calculated for: Dental Visits, Well Visits, Prenatal Engagement, ED Visits, Health Neighborhood, Postpartum Visits, and Well Child Checks (Ages 3-9). The baseline is updated once per State Fiscal Year and is the State Fiscal Year 2 years prior to the performance year (i.e. for SFY 18-19, the baseline period is July 1, 2016 through June 30, 2017, or SFY16-17). The baseline period is calculated using the same methodology and includes three months of claims runout.

For Behavioral Health Engagement, the baseline is the average statewide penetration rate for July 1, 2016 through June 30, 2017, or SFY16-17.

2.3 Baseline Population

Starting in evaluation period SFY18-19, all members with full Medicaid will be mandatory enrolled into the ACC program. For the baseline population to align with the evaluation period population, the baseline for the first two years of the program (SFY18-19 and SFY19-20) will include all members with full Medicaid residing in each of the seven regions.

Note: Full Medicaid is defined as having a primary benefit plan of Medicaid State Plan Title Nineteen (PRMY_BPLAN_CD='TXIX') in the ACC Snapshot.

¹ This measure will be calculated by the Department, therefore the methodology is not included in this document.

Medicaid Enrollment:

- Dental Visits, Prenatal Engagement, Well Visits, and Health Neighborhood include all members who have full Medicaid at the end of the evaluation period according to the ACC Snapshot.
- ED Visits includes members who have full Medicaid any time during the evaluation period. Enrollment at the end of the evaluation period is not required. This is because ED Visits is a PKPY metric and is based off an event or events that can occur at any time during the evaluation period.
- Behavioral Health Engagement will be based on the statewide average BHO penetration rate for SFY16-17.

Exclusions:

- Members who are enrolled in any physical health Medicaid managed care plan for more than three months any time during the baseline period. This exclusion applies to all KPIs except Behavioral Health Engagement.

Note: these members are identified by the managed care enrollment spans on the ACC Snapshot (MTH_ACC_CLNT_SNPSHT_V). Please note that retroactive enrollment changes are not captured in the ACC snapshot. There are instances where enrollment spans change, which cause misalignment between the current record of enrollment (CLNT_ENRL_FACT_V) and the ACC Snapshot. The ACC Snapshot is used for this exclusion.

2.4 Evaluation Population

The KPI population varies slightly by KPI:

ACC Enrollment:

- Behavioral Health Engagement, Dental Visits, Prenatal Engagement, and Well Visits include all members who are enrolled in the ACC program at the end of the evaluation period according to the ACC Snapshot.
- ED Visits includes members who were enrolled in the ACC at any time during the evaluation period. Enrollment at the end of the evaluation period is not required. This is because ED Visits is a PKPY and is based off an event or events that can occur at any time during the evaluation period.

Exclusions:

- Members who are enrolled in any physical health Medicaid managed care plan for more than three month any time during the evaluation period. This exclusion applies to all KPIs except Behavioral Health Engagement.

Note: these members are identified by the managed care enrollment spans on the ACC Snapshot (MTH_ACC_CLNT_SNPSHT_V). Please note that retroactive enrollment changes are not captured in the ACC snapshot. There are instances where enrollment spans change, which cause misalignment between the current record of enrollment (CLNT_ENRL_FACT_V) and the ACC Snapshot. The ACC Snapshot is used for this exclusion.

2.5 Claims Selection Criteria

The following criteria are used to select the claims to calculate the KPIs:

- Include:
 - Both facility and professional claims
 - Paid claims (with three months runout)
 - Only current records
 - Last claim (after all adjustments have been taken)
 - Encounters:
 - Dental Visits will include dental encounters
 - Behavioral Health Engagement includes behavioral health and physical health encounters
- Exclude
 - Deleted records

2.6 Payment Schedule

Incentive payment files will be submitted to DXC on the third Thursday of the third month of each quarter and will cover the 3-month measurement period from six months prior. For example, incentive payment files submitted at the end of March 2019 would correspond to performance from the July 1, 2018 – September 30, 2018 measurement period. Use the following table to monitor the monthly payment schedule.

July '18	Aug '18	Sept '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	March '19	April '19	May '19	June '19
								Submit incentive payment file for measurement period Jul 2018 - Sep 2018 (Q1)			Submit incentive payment file for measurement period Oct 2018 – Dec 2018 (Q2)

SECTION 3: KEY PERFORMANCE INDICATORS AND OTHER PROGRAM MEASURES

The section below outlines the steps for creating the KPIs and other measures. For detailed specifications, please refer to Appendix B: KPI Measure Specifications.

3.1 Overview

The data displayed within the Data Analytics Portal will allow the state, RAEs and PCMPs to view how their members are performing on seven KPIs and three additional measures that are not paid out on. There are two tiers (targets) set for each KPI, which determine how much of the withheld four dollars each PCMP and RAE can earn by meeting each tier. The seven KPIs are as follows:

- Behavioral Health Engagement
- Dental Visits
- Well Visits
- Prenatal Engagement
- Emergency Department (ED) Visits
- Potentially Avoidable Costs²
- Health Neighborhood

The other ACC program measures, which are not utilized for incentive payments, but are used as an indicator of performance within the data analytics portal are:

- Postpartum Follow-up Care
- Well-Child Checks (WCC) Ages 3-9
- 30-Day Follow-Up Care Following Inpatient Discharge

3.1.1 KPI: Behavioral Health Engagement

The denominator for Behavioral Health Engagement is all members who are enrolled in the ACC as of the last day of the last month of the rolling 12-month evaluation period. To be counted in the numerator, members must receive at least one behavioral health service delivered either in primary care settings or under the capitated behavioral health benefit within the 12-month evaluation period.

Behavioral Health Engagement (%) = # Unique Members Who Received At least One Behavioral Health Service / # Unique Members Enrolled in the ACC

² This measure will be calculated by the Department, therefore the methodology is not included in this document.

3.1.2 KPI: Dental Visits

The denominator for Dental Visits includes all members who are enrolled in the ACC as of the last day of the last month of the rolling 12-month evaluation period. To be counted in the numerator, members must receive at least one dental service (medical or dental claim) within the 12-month evaluation period.

$$\text{Dental Visits (\%)} = \frac{\text{\# Unique Members Who Received At least One Dental Service}}{\text{\# Unique Members Enrolled in the ACC}}$$

3.1.3 KPI: Well Visits

The denominator for Well Visits includes all members who are enrolled in the ACC as of the last day of the last month of the rolling 12-month evaluation period. To be counted in the numerator, members must have at least one well visit within the 12-month evaluation period.

$$\text{Well Visit (\%)} = \frac{\text{\# Unique Members Who Received At least One Well Visit}}{\text{\# Unique Members Enrolled in the ACC}}$$

3.1.4 KPI: Prenatal Engagement

The denominator for Prenatal Engagement includes all deliveries for members enrolled in the ACC as of the end of the rolling 12-month evaluation period. Members may have multiple deliveries within the evaluation period. To be counted in the numerator, members must have at least one prenatal visit within 40 weeks prior to the delivery and be Medicaid enrolled at least 30 days prior to the delivery.

$$\text{Prenatal Engagement (\%)} = \frac{\text{\# of Deliveries with at Least One Prenatal Visit}}{\text{\# Deliveries}}$$

3.1.5 KPI: Emergency Department Visits PKPY (Risk Adjusted)

Member months for all members within the population as specified in Section 3.3 are included in the denominator for this measure. An ED visit will be counted in the numerator if it does not result in an inpatient admission. To normalize this measure, it is expressed as a per thousand member months per year (PKPY), meaning the rate is multiplied by 12,000 for the evaluation period. The PKPY is then risk adjusted using a RAE risk weight. The risk adjusted ED Visits PKPY will be used for payment.

$$\text{Actual ED Visits PKPY} = \frac{\text{\# ED Visits}}{\text{\# Member Months}} * 12000$$

$$\text{Risk Adjusted ED Visits PKPY} = \frac{\text{Actual ED Visits PKPY}}{\text{Average ED RAE Risk Weight}}$$

3.1.6 KPI: Health Neighborhood (Composite Measure)

The denominator for the claims-based component of the Health Neighborhood measure includes all specialty visits for members enrolled in the ACC as of the end of the rolling 12-month evaluation period. Members may have multiple visits within the evaluation period. To be counted in the numerator, members must have at least one PCMP visit within 60 days prior to the specialty visit and a PCMP must be listed as the referring provider on the specialty claim (denominator claim).

$$\text{Health Neighborhood (Claims-based Component)} = \frac{\text{\# of Specialty Visits with at Least One PCMP Visit AND PCMP Referral on the Claim}}{\text{\# Specialty Visits}}$$

Other Program Measure: Postpartum Follow-Up Care

The denominator for Postpartum Follow-Up Care includes the number of live deliveries for members enrolled in the ACC as of the end of the evaluation period. Members may have multiple deliveries within the evaluation period. The evaluation period for this KPI is offset by 56 days from the current rolling 12-month period to allow up to 56 days following the delivery for a follow-up visit to occur. For example, if the evaluation period ends 12/31/2016, the delivery date range utilized would be 11/05/2015 to 11/06/2016. Due to some inconsistencies in coding that were discovered, delivery visits are consolidated in the following manner: service dates that occurred within 60 days of each other were assumed to have occurred within the same delivery; service dates that were more than 60 days apart were considered separate deliveries. In these cases, the first service date in the chain of claims is considered the delivery date.

A numerator follow-up visit is considered compliant if it was between 21 and 56 days following the delivery.

Postpartum Follow-Up Care Rate (%) = # Deliveries with at Least One Postpartum Visit / # Deliveries

3.1.7 Other Program Measure: Well-Child Checks (Ages 3-9)

The denominator for Well-Child Checks includes children ages 3-9 years old as of the end of the evaluation period, who are enrolled in the ACC on the snapshot date. These children must also have at least 90 days of continuous enrollment during the measurement year. To meet the numerator, the child must have a well-child check during the measurement year.

Well-Child Check Rate (%) = # Unique Members Who Received At least One Well-Child Check / # Unique Members Eligible for a Well-Child Check Ages 3-9

3.1.8 Other Program Measure: 30-Day Follow-Up Care Following Inpatient Discharge

The denominator for this measure is the count of inpatient discharges for those members enrolled in the ACC at the end of the evaluation period. A single member may have multiple inpatient discharges counted towards the denominator. However, inpatient discharges that result in a readmission within 30 days or death will not be counted in the denominator. Following discharge, an evaluation and management (E&M) claim within 30 days will fulfill the numerator requirement (only one is needed, multiple follow-up E&M visits will not count multiple times in the numerator).

30-Day Inpatient Follow-Up Rate (%) = # Inpatient Discharges with 30-Day Follow-Up Visit / # Inpatient Discharge

SECTION 4: RISK ADJUSTMENT

The ED Visit KPI is the only measure that is risk adjusted. The risk adjustment methodology used for this measure is outlined below.

4.1 Overview

Healthcare cost and utilization for a given population are dependent on the health status of that population. When comparing the per capita experience of various member populations at a summary level, population-based risk adjustment makes the comparison more analytically valid by considering underlying member risk, by looking at member acuity, or level of severity of illness. Once the level of riskiness of a RAEs population is considered by weighting their results, we can make comparisons across RAEs in a meaningful way.

Diagnostic Cost Groupers (DCGs), a healthcare risk assessment method created and licensed through Verscend®, Inc., are used to risk adjust population-based performance and baselines. The DCG models are patient classification systems that evaluates and forecasts healthcare utilization and costs. The models use data from a specific timeframe to predict the healthcare cost of individuals. The predictions are based on the conditions and diseases for which an individual receives treatment over the past year, and the age and gender of the individual.

4.2 DCG Extract

4.2.1 Eligibility Records

DCGs are calculated for all Medicaid members for a given month. The following fields are utilized for eligibility:

- Member ID
- Age (in years) as of reporting period end date
- Gender
- Eligible months – number of months eligible (partial months are counted as full months)

4.2.2 Medical Claims

For members in the population, the following fields are required for medical claims:

- Member ID
- Diagnosis codes – all diagnosis codes – and which version, ICD-9/ICD-10
- Claim service start/end dates
- Service location – ER, inpatient, other
- Source – inpatient facility, outpatient, long-term care, diagnostics, DME, or other services
- Medical expenditure – total paid amount

4.3 Software Parameters

Verscend’s DCG software allows for multiple configuration parameters to be set. The following are the parameters utilized for ED visits:

- Partial eligibility is allowed (i.e. partial month of eligibility);
- The risk adjustment model that is run is: Medicaid FFS All-Medical Predicting Concurrent Total Risk (#73)

4.4 Model Output

The outputs of the DCG software are raw cost risk score (ranging from 0.000 to 999.000) and an aggregated diagnostic cost grouper (ADCG) per member. The ADCG categorizes the raw cost risk scores into the five risk levels listed below.

DCG Range	ADCG Value
0.000 to 0.499	0.00 (very low risk)
0.500 to 0.999	0.50 (low risk)
1.000 to 2.499	1.00 (moderate risk)
2.500 to 7.499	2.5 (high risk)
7.500 and higher	7.50 (very high risk)

4.5 Rescaling

After running the DCG software, several calculations must be done to convert the raw cost risk scores into an ED visit risk weight by RAE region, as explained below.

4.5.1 Risk-Adjusted ED Visit Risk Score

The relationship of the risk score that is predicted by the DCG cost model to the member’s cost is linear, meaning that the higher the cost for a member, the higher their risk score is. Due to the nature of ED Visits, when translating this cost risk score to ED Visits, the relationship is no longer linear. To account for this skewed relationship, the cost risk scores get categorized into “buckets” called diagnostic cost groups (DCGs), to better predict this utilization measure. Annually, Truven Health updates their ED Visit risk scale “buckets” based on Medicaid MarketScan data. ED visits risk score buckets are defined using the following criteria:

- Place of service = 23
- AND revenue code in (0450-0459, 0760-0762, 0680-0689, 0981)
- OR CPT procedure in (99281-99285, 99288)
- OR HCPCS procedure code in (G0380-G0384).

From the DCG, Truven Health generates an ED risk score for each member. The bucketed risk score is used to calculate ED Risk Adjustment. The bucketing is also used to do a transformation of the cost score into predicting ED likelihood. Below is the table of buckets.

DCG Risk Score Minimum	DCG Risk Score Maximum	ED Visit Risk Score
0.000	0.099	0.068
0.100	0.199	0.154
0.200	0.299	0.298
0.300	0.399	0.467
0.400	0.499	0.642
0.500	0.699	0.863
0.700	0.999	1.235
1.000	1.499	1.714
1.500	1.999	2.265
2.000	2.499	2.808
2.500	2.999	3.231
3.000	3.999	3.731
4.000	4.999	4.385
5.000	5.999	5.029
6.000	7.499	5.796
7.500	9.999	6.866
10.000	14.999	7.987
15.000	19.999	9.069
20.000	24.999	9.467
25.000	29.999	10.900
30.000	39.999	11.277
40.000	49.999	11.399
50.000	59.999	12.232
60.000	69.999	14.701
70.000	and higher	12.974

4.5.2 Rescaled Cost Risk Score

The ED risk score output is scaled based on the population from which Verscend derived its model (Medicaid MarketScan); therefore, to adjust these scores to the Colorado ACC population, the raw ED risk scores are divided by the overall ACC mean to calculate the rescaled ED risk score. Due to the high churn of the Medicaid population, a weighted average is used for the ACC mean. To calculate the weighted average, a member’s raw ED risk score is multiplied by the number of months they are enrolled. Then, these values are summed for the entire population and divided by the total number of months of enrollment for the entire state.

$$\text{Average ED risk score} = \frac{\sum(\text{raw ED risk score} \times \text{member months})}{\sum(\text{member months})}$$

$$\text{Rescaled ED risk score} = \text{raw ED risk score} / \text{average ED risk score}$$

For example, if the ACC population consisted of the members in the example below, each member’s raw ED risk score would be multiplied by their number of member months. This is then summed and divided by the total number of member months for everyone enrolled in Medicaid with full benefits (288.984/42 = 6.881), so the average ED risk score is 6.881. Then each member’s raw ED risk score gets divided by this average to create the rescaled risk score, with those with higher risk being greater than 1.0 and those lower risk being less than 1.0.

Member	RAE Region	DCG Cost Score	Raw ED Risk Score	ED visits	Member Months	Raw ED Risk Score Member Months	Average ED Risk Score	Rescaled ED Risk Score
A	1	7.025	5.796	4	12	69.552	6.881	0.842
B	1	9.014	6.866	3	9	61.794	6.881	0.998
B	2	9.014	6.866	2	3	20.598	6.881	0.998
C	2	13.012	7.987	2	10	79.870	6.881	1.161
C	0	13.012	7.987	1	2	15.974	6.881	1.161
D	0	8.203	6.866	2	6	41.196	6.881	0.998
Total					42	288.984		

The raw DCG cost score will appear on the My Members dashboard as an indicator of overall cost risk for the member compared to other Colorado Medicaid members with full Medicaid benefits.

4.5.3 Risk-Adjusted ED Visits PKPY (ACC Statewide & by RAE Region)

The ED Visit risk score is used to calculate the risk-adjusted ED Visit PKPY using the following formulas:

$$\text{Average ED risk weight (RAE, ACC or Medicaid)} = \frac{\sum(\text{rescaled ED risk score} \times \text{member months})}{\sum(\text{member months})}$$

$$\text{Risk-Adjusted ED Visits PKPY} = \text{ED Visits PKPY} / \text{Average ED Risk Weight}$$

Using the same example above, the Average ED Risk Weight for all members statewide enrolled in the ACC would be 0.991. Since members may switch RAEs during the year, their risk scores and ED visits will be scaled to reflect their membership months in each RAE. The Average ED Risk Weight for RAE 1 would be 0.909. The Average ED Risk Weight for all of Medicaid would be 1.000.

Aggregation	ED Visits PKPY*	Average ED Risk Weight (RAE)	Risk-Adjusted ED Visits PKPY
RAE 1	4000	0.909	4400
RAE 2	3692	1.123	3287
ACC	3882	0.991	3918
Medicaid	4000	1.000	4000

SECTION 5: PAYMENT TIERS

Targets for Tier 1 and Tier 2 incentive payments are established by the Department. Targets are based on an improvement percentage as compared to regional RAE performance during a baseline period. Two different targets are set for each KPI: Tier 1 Target and Tier 2 Target, which equate to different incentive payment amounts if a tier is met during the evaluation period.

5.1 Incentive Payment Amounts PMPM

The \$4 PMPM withhold will be evenly distributed among each of the KPI measures identified for the year. At some point, the Department may choose to attach a greater proportion of funding to an individual KPI measure to focus RAE efforts on a particular metric.

For the first year of the program, payment for the KPI's will be established as follows:

KPI	Tier 1 Payment	Tier 2 Payment
Behavioral Health Engagement	\$0.428 PMPM	\$0.571 PMPM
Dental Visits	\$0.428 PMPM	\$0.571 PMPM
Well Visits	\$0.428 PMPM	\$0.571 PMPM
Prenatal Engagement	\$0.428 PMPM	\$0.571 PMPM
Emergency Department (ED) Visits	\$0.428 PMPM	\$0.571 PMPM
Potentially Avoidable Costs ³	\$0.428 PMPM	\$0.571 PMPM
Health Neighborhood	\$0.428 PMPM	\$0.571 PMPM

³ This measure will be calculated by the Department, therefore the methodology is not included in this document.

APPENDIX A: GLOSSARY

Acronym	Definition
ACC	Accountable Care Collaborative
BIDM	Business Intelligence and Data Management System and Services
CMS	Centers for Medicare and Medicaid Services
Colorado BIDM SharePoint site	The SharePoint site that is hosted by Truven Health for the BIDM project.
DCG	Diagnostic Cost Group
E&M	Evaluation and Management
ED	Emergency Department
HCPF	Health Care Policy and Financing
KPI	Key Performance Indicator
MMP	Medicare-Medicaid Program
PCMP	Primary Care Medical Provider
PKPY	Per Thousand Per Year
PPA	Physician Performance Assessment
RAE	Regional Accountable Entity

APPENDIX B: KPI MEASURES SPECIFICATIONS

Behavioral Health Engagement

Last Updated: 03/23/2018

Measure Name: Behavioral Health Engagement

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: Percent of distinct members who received at least one behavioral health service delivered either in a primary care settings or under the Capitated Behavioral Health Benefit within the 12-month evaluation period.

Denominator:

Members will be counted in the denominator if they are enrolled in the ACC on the last day of the last month of the 12-month evaluation period

Denominator Units: Distinct count of members meeting the above criteria

Denominator Eligibility/Enrollment Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
Enrolled in the ACC	1	<ul style="list-style-type: none"> RAE Enrolled Indicator='Y' Snapshot Date = last month of the evaluation period RAE Enrollment End Date>=last day of the month of the evaluation period 	Last month of the 12-month rolling evaluation period

Numerator: Members in the denominator who have had at least one behavioral health visit billed in primary care settings or a behavioral health encounter within the rolling 12-month rolling evaluation period.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Members included in the denominator	1		and	
Behavioral health visit in primary care [BH in PC Value Set] for clients enrolled in FFS or physical health managed care	1	(CPT Procedure Code in (90791, 90832, 90834, 90837, 90846, 90847) (ENC_IND='N' or (ENC_IND='Y' and HLTH_PGM_CDE in (PIHP, RMHP))))	and	During evaluation period
Any behavioral health encounter within the evaluation period	1	Any BH encounter (ENC_IND='Y' and HLTH_PGM_CDE in (BHO, [placeholder for new code]) and CLM_STS_CD= 'P')	or	During evaluation period

Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 Statewide BHO penetration rate
Target	Tier 1: 1<5% improvement receives 75% of payment Tier 2: 5%+ receives 100% of payment.

Notes:

- Multiple numerator events in an evaluation period for a unique member will only be counted once
- All diagnosis codes on the claim and encounter will be considered, not just the primary diagnosis
- Only claims and encounters submitted through the MMIS (interChange) will be used for this measure

Dental Visits

Last Updated: 03/23/2018

Measure Name: Dental Visits

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: Percent of distinct count of members who received professional dental services. This includes dental services from both medical and dental claims.

Denominator:

Members will be counted in the denominator if they are enrolled in the ACC on the last day of the last month of the 12-month evaluation period

Denominator Units: Distinct count of members meeting the above criteria

Denominator Eligibility/Enrollment Inclusion Criteria:

Condition Description	Condition Description	Condition Description	Condition Description
Enrolled in the ACC	1	<ul style="list-style-type: none"> RAE Enrolled Indicator='Y' Snapshot Date = last month of the evaluation period RAE Enrollment End Date >= last day of the month of the evaluation period 	Last month of the 12-month rolling evaluation period

Numerator: Distinct count of members who received dental services

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Members included in the denominator	1		and	During evaluation period
Dental Visits	1	Procedure Code in (D0000 to D9999)]		

Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
Populations excluded from the measure	Members who were enrolled in any physical health managed care plan for more than 3 months anytime during the evaluation period		>3 months

Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 performance for members with full Medicaid residing in each RAE region
Target	Tier 1: 1<5% improvement receives 75% of payment Tier 2: 5%+ receives 100% of payment.

Notes:

- Multiple numerator events in an evaluation period for a unique member will only be counted once
- All diagnosis codes on the claim will be considered, not just the primary diagnosis
- Only PAID claims will be considered as part of the numerator/denominator/exclusion criteria
- Only claims and encounters submitted through the MMIS (interChange) will be used for this measure

Well Visits

Last Updated: 03/23/18

Measure Name: Well Visits

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: Percent of distinct members who received a well visit within the 12-month evaluation period

Denominator: Members will be counted in the denominator if they are enrolled in the ACC on the last day of the last month of the 12-month evaluation period

Denominator Units: Distinct count of members meeting the above criteria

Denominator Eligibility/Enrollment Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
Enrolled in the ACC	1	<ul style="list-style-type: none"> RAE Enrolled Indicator='Y' Snapshot Date = last month of the evaluation period RAE Enrollment End Date >= last day of the month of the evaluation period 	Last month of the 12-month rolling evaluation period

Numerator: Well Visits

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Members included in the denominator	1		and	
Preventive Visits [Well Visits Value Set]	1	CPT Code in (99381, 99382, 99383, 99384, 99385, 99386, 99387, 99391, 99392, 99393, 99394, 99395, 99396, 99397)	or	During evaluation period
Annual Wellness or Preventive Visit [Well Visits Value Set]	1	HCPCs in (G0402, G0438, G0439)	or	
Office Visits [Well Visits Value Set]	1	(CPT Code in (99202, 99203, 99204, 99205, 99213, 99214, 99215))	and	
Encounter [Well Visits Value Set]	1	(ICD 10 Code in (Z0000, Z0001, Z00110, Z00111, Z00121, Z00129, Z005, Z0070, Z0071, Z008, Z01411, Z01419 Z020, Z021, Z022, Z023, Z024, Z025, Z026, Z0281, Z0282, Z0283, Z0289))	or	

Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
Populations excluded from the measure	Members who were enrolled in any physical health managed care plan for more than 3 months anytime during the evaluation period		> 3 months

Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 performance for members with full Medicaid residing in each RAE region
Target	Tier 1: 1<5% improvement receives 75% of payment, Tier 2: 5%+ receives 100% of payment.

Notes:

- Multiple numerator events in an evaluation period for a unique member will only be counted once
- All diagnosis codes on the claim will be considered, not just the primary diagnosis
- Only PAID claims will be considered as part of the numerator/denominator/exclusion criteria
- Only claims submitted through the MMIS (interChange) will be used for this measure

Prenatal Engagement

Last Updated: 03/23/18

Measure Name: Prenatal Engagement

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: Percent of members who received a prenatal visit during pregnancy

Denominator:

Members will be counted in the denominator if they meet the following criteria:

- Are enrolled in the ACC as of the last month of the evaluation period
- Have gender code= F
- Have had a delivery (as described below)

Denominator Units: Unduplicated count of deliveries meeting the above criteria. Members can have multiple deliveries within an evaluation period.

Denominator Eligibility/ACC Enrollment Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
Enrolled in the ACC	1	<ul style="list-style-type: none"> • RAE Enrolled Indicator='Y' • Snapshot Date = last month of the evaluation period • RAE Enrollment End Date>=last day of the month of the evaluation period 	Last month of the 12-month rolling evaluation period
Enrolled in Medicaid at least 30 days prior to delivery		<ul style="list-style-type: none"> • Medicaid Enrollment Effective Date<=30 days prior to the delivery 	30 days
Gender		Gender Code = F	Female

Denominator: Number of deliveries

Detailed Criteria	# Event	Detailed Criteria	Criteria Connector	Timeframe
Women with a delivery procedure code [Delivery Value Set]	1	CPT Code in (59400, 59409,59410, 59510, 59514, 59515, 59610, 59612, 59614, 59618, 59620, 59622)		During evaluation period

Numerator: Number of deliveries where the member had at least one prenatal visit prior to delivery

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Deliveries included in the denominator	1		and	
Prenatal Visit [Prenatal Value Set]	1	CPT Code in (59400, 59510, 59610, 59618, 59425, 59426)	or	<= 40 weeks preceding delivery
	1	(CPT Code in (99202, 99203, 99204, 99205, 99213, 99214, 99215)	and	
	1	Modifier=TH)		Note: this criteria includes service dates 40 weeks prior to the

				start of the evaluation period
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Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
Populations excluded from the measure	Members who were enrolled in any physical health managed care plan for more than 3 months anytime during the evaluation period		> 3 months

Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 performance for members with full Medicaid residing in each RAE region
Target	Tier 1: 1-5% improvement receives 75% of payment Tier 2: greater than 5% receives 100% of payment

Notes:

- All diagnosis codes on the claim will be considered, not just the primary diagnosis
- Only PAID claims will be considered as part of the numerator/denominator/exclusion criteria
- Only claims submitted through the MMIS (interChange) will be used for this measure

Emergency Department (ED) Visits

Last Updated: 03/23/18

Measure Name: Emergency Department (ED) Visits

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: Number of emergency department visits per-thousand members per-year (PKPY) risk adjusted

Denominator: Members will be counted in the denominator if they are enrolled in the ACC any month in the rolling 12-month evaluation period.

Denominator Units: Count of ACC member months

Denominator Eligibility Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
Enrolled in the ACC	1	<ul style="list-style-type: none"> RAE Enrolled Indicator='Y' Snapshot Date = at least one month in the evaluation period RAE Enrollment End Date>=last day of each month 	Last month of the 12-month rolling evaluation period

Numerator: Number of emergency department visits

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Emergency Department Visit [ED Visit Value Set]	1	(Claim type in ('O','C','M','B') - Outpatient, Outpatient Crossover, Professional, Professional Crossover	and	During evaluation period
	1	(Revenue Code in (0450, 0451, 0452, 0456, 0459, 0981)	or	During evaluation period
	1	CPT Procedure Code in: (99281, 99282, 99283, 99284, 99285)	or	During evaluation period
	1	(Claim with Place of Service = 23	and	During evaluation period
	1	CPT Procedure Codes >= 10030 and <= 69979)))		

Continuous Enrollment Criteria

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
ED visit ending in an inpatient admission	Claim type in (I, A) – Inpatient and Inpatient Crossover	and	On the same day as the ED visit or 1 day following
	Rendering provider type not in (20, 36) – Nursing facility, Home and Community Health Services		On the same day as the ED visit or 1 day following

Populations excluded from the measure	Members who were enrolled in any physical health managed care plan for more than 3 months anytime during the evaluation period		> 3 months
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Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 performance for members with full Medicaid residing in each RAE region
Target	Tier 1: 1-5% improvement receives 75% of payment Tier 2: greater than 5% receives 100% of payment

Notes:

- Multiple ED claims in a single date of service will only be counted once
- This measure will be reflected as a PKPY (Per Thousand per Year). PKPY Calculation = (Annual ED Visits/Member Months) x 12,000.
- This measure is risk adjusted
- All diagnosis codes on the claim will be considered, not just the primary diagnosis
- Only PAID claims will be considered as part of the numerator/denominator/exclusion criteria
- Only claims submitted through the MMIS (interChange) will be used for this measure

Health Neighborhood

Last Updated: 03/27/2018

Measure Name: Health Neighborhood

Owner: IBM Watson Health

Evaluation Period: Rolling 12 months; 90 days claims run out

Measure Description: A composite measure focused on the relationship between PCMP's and specialty care providers.

Measure Components	% Breakdown
1. Percentage of RAE's PCMP's with Colorado Medical Society's Primary Care-Specialty Care Compacts in effect with specialty care providers (calculated and paid out annually)	25%
2. Percentage of members who had an outpatient visit with a specialist who saw a PCMP within 60 days prior to the specialist visit and included a referring PCMP on the claim (calculated monthly, paid out quarterly).	75%

1. Percentage of Primary Care-Specialty Care Compacts

Denominator:

PCMPs will be counted in the denominator if they are contracted with a RAE during the last month of the 12-month evaluation period.

Denominator Units: Unduplicated count of PCMP's meeting the above criteria

Denominator Eligibility/Enrollment Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
PCMP contracted with the RAE	1	N/A	Last month of the 12-month rolling evaluation period

Numerator: PCMPs in the denominator who have at least one primary care-specialty care compacts in place within the 12-month rolling evaluation period.

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
PCMPs included in the denominator	1		and	
Number of new compacts	1	RAEs will submit a detailed list that includes the number of new compacts, PCMP and specialist names, and the signed date of the compact.	and	During evaluation period
Number of renewed compacts	1	RAEs will submit a detailed list that includes the number of renewed compacts, PCMP and specialist names, and the signed date of the compact		During evaluation period

Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Baseline and Targets

Condition Description	Detailed Criteria			
Baseline	TBD			
Target	Quarter 1: 50%+ of PCMP network has 1 or more executed care compacts in place	Quarter 2: 75%+ of PCMP network has 1 or more executed care compacts in place	Quarter 3: 50%+ of PCMP network has 2 or more executed care compacts in place (at least one needs to be behavioral health)	Quarter 4: 75%+ of PCMP network has 2 or more executed care compacts in place (at least one needs to be behavioral health)

Notes:

- This component will be manually calculated by the Department and will not be displayed in the Data Analytics Portal.

2. Percentage of outpatient visits with a specialist

Denominator: Claims will be counted in the denominator if they meet the following criteria:

- Member on the claim was enrolled in the ACC during the last month of the 12-month the evaluation period
- Claim is a professional or outpatient claim type
- Billing provider on the claim is a specialty provider

Denominator Units: Unduplicated count of claims meeting the above criteria

Denominator Eligibility/ACC Enrollment Inclusion Criteria:

Condition Description	# Event	Detailed Criteria	Timeframe
Enrolled in the ACC	1	<ul style="list-style-type: none"> RAE Enrolled Indicator='Y' Snapshot Date = last month of the evaluation period RAE Enrollment End Date >= last day of the month of the evaluation period 	Last month of the 12-month rolling evaluation period

Denominator: Number of specialty claims

Detailed Criteria	# Event	Detailed Criteria	Criteria Connector	Timeframe
Claim is a professional or outpatient claim type	1	Claim type in ('O','C','M','B') - Outpatient, Outpatient Crossover, Professional, Professional Crossover	and	During the evaluation period
Billing provider is a specialty provider [Specialty Provider Value Set]	1	Provider information matches specialty criteria		During the evaluation period

Numerator: Claims in the denominator with a referring PCMP and visit

Condition Description	# Event	Detailed Criteria	Criteria Connector	Timeframe
Claims included in the denominator	1		and	During the evaluation period
Claims with a referring provider listed	1	Referring provider ID is not listed as 'N/A' or '(BLANK)'	and	During the evaluation period
Referring provider is a PCMP	1	Referring provider ID is listed on the Attribution Notebook	and	Last month of the 12-month rolling evaluation period
Member also had a claim with a PCMP provider within 60 days prior to the denominator claim	1	Claim with a PCMP		<=60 days prior to denominator claim Note: this criteria includes service dates 60 days prior to the start of the evaluation period

Continuous Enrollment Criteria:

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
N/A			

Population Exclusions

Condition Description	Detailed Criteria	Criteria Connector	Timeframe
Populations excluded from the measure	Members who were enrolled in any physical health managed care plan for more than 3 months anytime during the evaluation period		> 3 months

Baseline and Targets

Condition Description	Detailed Criteria
Baseline	SFY 16-17 performance for members with full Medicaid residing in each RAE region
Target	Tier 1: 1-5% improvement receives 75% of payment Tier 2: greater than 5% receives 100% of payment

Notes:

- Multiple specialist visits on a single date of service will only be counted once
- Only PAID claims and encounters (dental) will be considered as part of the numerator/denominator/exclusion criteria
- Only claims submitted through the MMIS (interChange) will be used for this measure