Rate Review Process: Preliminary Year Three Analyses

Introduction

This document contains high-level, preliminary rate comparison and access to care analyses and underlying methodologies for services under review in year three of the rate review process. The rate review process was enacted in June of 2015 (Senate Bill 15-228) and operates in accordance with the Colorado Medical Assistance Act, Section 25.5-4-401, C.R.S. (Colorado Revised Statutes). Findings from these analyses will be reported in the 2018 Medicaid Provider Rate Review Analysis Report, published on May 1, 2018 and may incorporate additional data, including stakeholder feedback, gathered over the next three months.

During the Medicaid Provider Rate Review Advisory Committee (MPRRAC) meeting on February 16, 2018, the Department will reference information contained within this document. The Department encourages committee members and stakeholders to:

- Review the information contained in this document.
- Prior to the MPRRAC meeting on February 16th, send questions regarding specific analyses, procedure codes, or preliminary results to Lila Cummings (lila.cummings@state.co.us).
- Attend the MPRRAC meeting on February 16th and provide feedback and observations related to this document, and to general year three service rate and access considerations.

For more information regarding MPRRAC meetings, visit the Department's MPRRAC website.

Year three service groupings, listed in order from highest to lowest calendar year 2016 (CY 2016) expenditure, are:

- Primary Care and Evaluation and Management (E&M) (pp.9-11)
- Radiology Services (pp.12-14)
- Physical and Occupational Therapies (pp.15-17)
- Maternity Services (pp.18-20)
- Surgeries (pp.21-23)
- Other Services and Procedures (pp.24-26)

For more specific information regarding service groupings, see <u>Year Three Services and Top Procedure</u> <u>Codes by Paid Amount</u>.

Pages 2-4 contain high-level, preliminary rate comparison and access to care analyses results. Pages 9-26 contain detailed rate comparison and access to care analyses information. Additional information for dental services will be provided ahead of the MPRRAC meeting on February 16, 2018.

It is important to note that the information and analyses contained in this document do not indicate whether rates are sufficient, nor do they indicate whether access is sufficient. Rather, it guides the Department in understanding, for each service, where further investigation should occur.

Rate Comparison Analysis

Rate benchmark comparisons provide a reference point regarding how Colorado Medicaid reimbursement rates compare to other payers. To identify rates for analysis, the Department first examines if a service has a corresponding Medicare rate. The Department relied primarily upon Medicare rates where available for multiple reasons including, but not limited to, the following:

- Medicare is the single largest health insurer in the country and is often recognized by the health insurance industry as a reference for payment policies and rates.
- Medicare's rates, methodologies, and service definitions is generally available to the public.
- Medicare rates are typically updated on a periodic basis.
- Most services covered by Colorado Medicaid are also covered by the Medicare program.

If a service does not have a corresponding Medicare rate, the Department identifies other state Medicaid agency rates for the same service and calculates an average for comparison. Where other state Medicaid agency rates are used for analysis, the Department relies upon rates from the same set of states as was used in the previous year's comparisons, namely: Nebraska, Arizona, Wyoming, Oregon, and Oklahoma. In selecting these states, the Department considered whether rates were recently updated and readily accessible, as well as whether the covered services and populations were similar. Additionally, some states were selected for geographic proximity. Finally, the Department eliminated states from consideration if the majority of the services were provided through a managed care delivery system.

Rate comparison analyses are based on administrative claims data from CY 2016. Preliminary rate benchmark comparisons for each service grouping are displayed below:

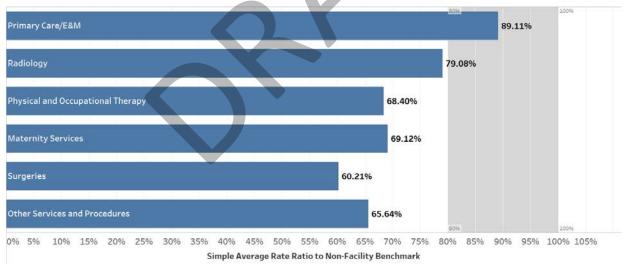


Figure 1 - Simple Average Rate Benchmark by Service Grouping

Access to Care Analysis

It is important to note that there is no single metric that can indicate whether access to care is sufficient for a specific service, a specific region, or for the state as a whole. Since metrics measure different aspects of access to care (e.g. utilization or travel distance), and because regions may perform well on some metrics and poorly on others, the Department developed the Access to Care Index (ACI) in an attempt to assess overall regional performance.

The ACI is also a tool that helps to standardize the access to care analysis and allow the Department to identify regions with lower ACI scores across multiple service groupings. Standardization is useful because service groupings have inherently different utilization patterns, so it is expected and appropriate for one service grouping to have lower utilization and provider availability than another.

Additionally, while the results of the ACI by region are informative and help to illustrate statewide variation, there are limitations. For example, if the ACI is relatively high in one region for a service grouping, access issues may still exist that are not easily detected through claims-based analysis. Likewise, if the ACI is relatively low in one region for a service grouping, there may be a shortage of providers in that geographic area that affects all payers and may not be properly addressed via changes in the Medicaid program alone, for example.

Currently, five metrics, all calculated exclusively using administrative claims data from CY 2015 and 2016, are incorporated into the ACI:

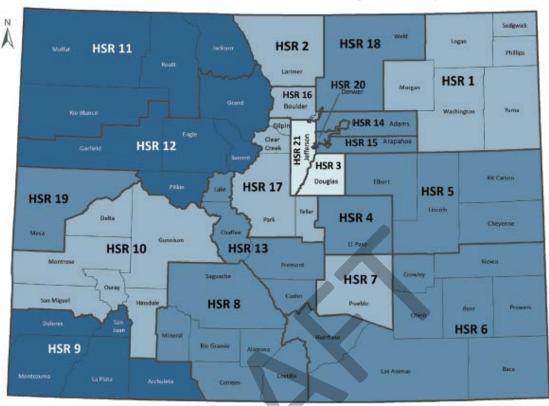
- penetration rate
- member to provider ratio
- travel distance
- provider panel estimate
- active provider months

Definitions for each metric are found on p.27.

ACI scores for each region and service grouping are displayed below:



Colorado Health Statistics Regions Map



Health Stati	stic Regions		
Region 1: Logan, Morgan, Phillips, Sedgwick,	Region 12: Eagle, Garfield, Grand, Pitkin and		
Washington and Yuma	Summit		
Region 2: Larimer	Region 13: Chaffee, Custer, Fremont and Lake		
Region 3: Douglas	Region 14: Adams		
Region 4: El Paso	Region 15: Arapahoe		
Region 5: Cheyenne, Elbert, Kit Carson and Lincoln	Region 16: Boulder and Broomfield		
Region 6: Baca, Bent, Crowley, Huerfano, Kiowa, Las Animas, Otero and Prowers	Region 17: Clear Creek, Gilpin, Park and Teller		
Region 7: Pueblo	Region 18: Weld		
Region 8: Alamosa, Conejos, Costilla, Mineral, Rio Grande and Saguache	Region 19: Mesa		
Region 9: Archuleta, Dolores, La Plata, Montezuma and San Juan	Region 20: Denver		
Region 10: Delta, Gunnison, Hinsdale, Montrose, Ouray and San Miguel	Region 21: Jefferson		
Region 11: Jackson, Moffat, Rio Blanco and Routt			

More detailed rate comparison and access to care analyses information is contained on the following pages. **Bolded terms** are further defined on p.27.

Additional Rate Comparison Analysis Information

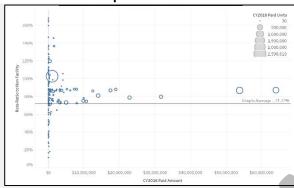
For each service grouping the following rate comparison information is provided:

Total Paid and Rate Ratio Table

Service Group		l Paid 2016	Simple Average Rate Ratio to Non Facility
Physical and Occupational Therapy	\$ 30	,253,641	68.40%

The Total Paid and Rate Ratio Table contains information regarding the total paid amounts for the **professional portion of services** during CY 2016 and the **simple average rate ratio**.

Rate Ratio Scatterplot



The Rate Ratio Scatterplot displays the **rate ratio**, utilization, and total paid amount for individual procedure codes, specifically:

- Vertical axis (y-axis) the rate ratio of Colorado Medicaid rates to the benchmark rates for each service code. The dark horizontal line represents the simple average rate ratio.
- Horizontal axis (x-axis) the total paid amount for each service code.
- Circles each circle represents a specific service code. The size of the circle indicates the total paid units, which is a proxy for that code's utilization.

Top Procedures by Total Paid Table

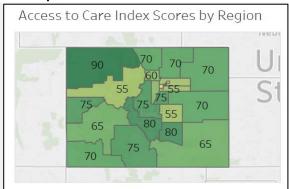
Procedure	Procedure Description	CY2016 Paid Units	Total Paid Amount	Colorado Rato	Non Facility Benchmark	Rate Ratio to Non Facility
99214	Office/outpatient visit est	642,120	\$64,100,672	\$94.44	\$108.75	86.84%
99213	Office/outpatient visit est	798,457	\$58,865,033	\$64.00	\$73.94	86.56%
99285	Emergency dept visit	203,622	\$31,712,013	\$139.99	\$175.86	79.60%
99284	Emergency dept visit	215,649	\$22,788,032	\$93.90	\$119.16	78.80%
99204	Office/outpatient visit new	122,830	\$18,982,782	\$145.47	\$166.17	87.5496
99203	Office/outpatient visit new	174,079	\$17,540,907	\$94.75	5109.47	86.55%
99283	Emergency dept visit	247,917	\$13,954,124	\$50.78	\$62.81	80.85%
99215	Office/outpatient visit est	93,281	\$12,522,992	\$126,41	\$146.43	86.33%
99233	Subsequent hospital care	118,009	\$10,748,367	\$78.68	\$105.88	74.31%
99291	Critical care first hour	40,278	\$9,856,885	\$217.56	\$278.14	78.27%
99232	Subsequent hospital care	155,093	\$9,831,379	\$54.91	\$73.22	74.99%
99223	Initial hospital care	45,065	\$7,964,397	\$148.95	\$205.65	72.43%
99391	Per pm reeval est pat infant	84,199	\$7,938,489	\$88.11	\$100.13	88.00%
99392	Previolsitiest age 1-4	72,830	\$7,319,554	\$94.11	\$106.95	87.999
99205	Office/outpatient visit new	31,831	\$6,141,375	\$181.21	\$209.24	86.609

The Top Procedures by Total Paid Table displays the top 15 codes, in descending order, by total expenditures (also referred to as total paid). This table includes: the procedure code and a short description; total paid units, which are sometimes blinded to shield protected health information (PHI); total paid amount; Colorado Medicaid rates; the **benchmark rate**; and the **rate ratio**.

Additional Access to Care Analysis Information

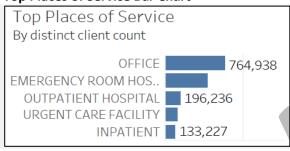
For each service grouping, the following access to care analysis information is provided:

ACI Map



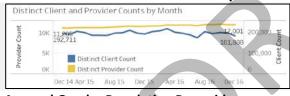
The ACI Map displays the ACI score for each health statistics region (region). In year two of the rate review process, the Department developed the ACI to standardize metrics and reach more meaningful conclusions. Metrics used for the ACI are: penetration rate; distance metric; member to provider ratio (M:P Ratio); active provider months; and panel estimate.

Top Places of Service Bar Chart



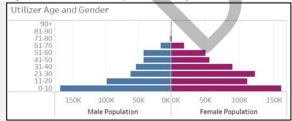
The Top Places of Service Bar Chart displays the top five places of service.

Distinct Client and Provider Counts by Month Chart



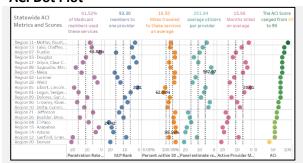
The Distinct Client and Provider Counts by Month Chart displays changes in the number of providers actively providing services, and the number of distinct clients utilizing services.

Age and Gender Population Pyramid

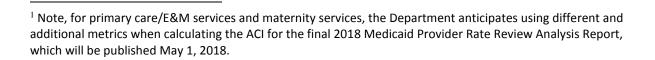


The Age and Gender Population Pyramid displays the age and gender of clients utilizing services.

ACI Dot Plot

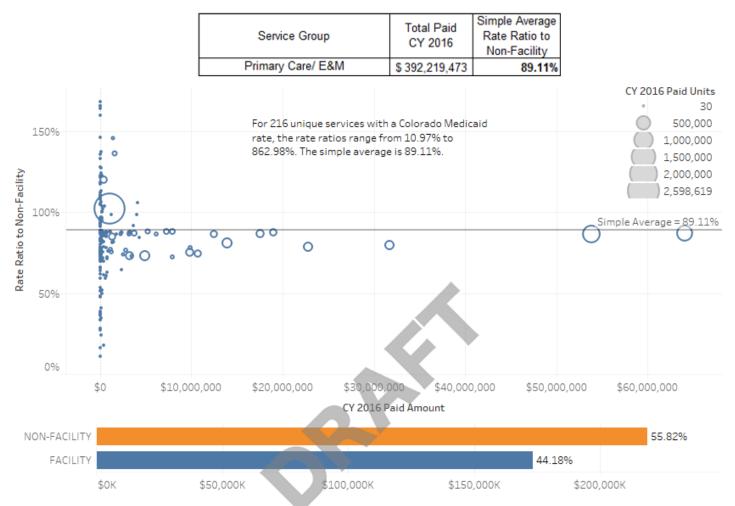


The **ACI Dot Plot** provides detail for each metric within each region's ACI score. Metrics are displayed in columns and each circle represents the rank of the region for each metric, except the distance metric. For the distance metric, points are distributed based on the percent of utilizers who traveled within 30 miles. Quartiles are outlined with dotted vertical lines. For each ACI metric, points are awarded to each region based on quartiles: regions in the top quartile receive 20 points, regions in the second quartile receive 15 points, while regions in the third quartile receive 10 points, and those in the bottom quartile receive 5. Resulting ACI scores are presented in the far-right column.





DRAFT Rate Comparison Analysis: Primary Care and Evaluation & Managment (CY 2016)

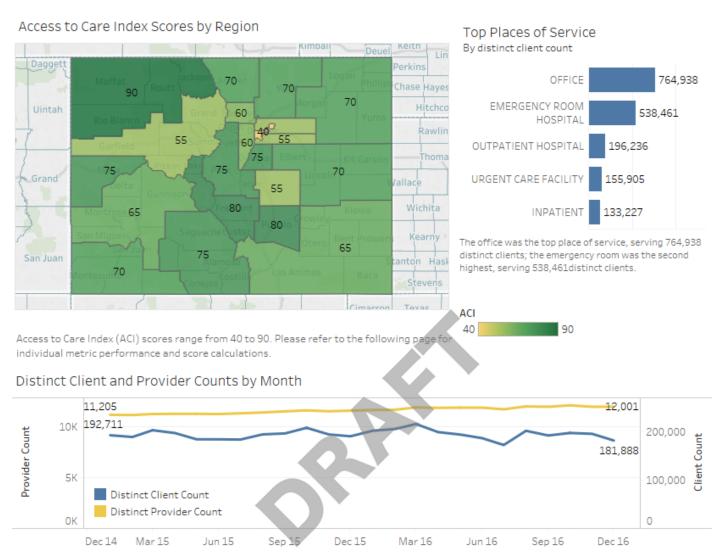


Total paid for services provided in a non-facility place of service was aproximately \$219M or 55.82% of the overall paid. Total paid for services provided in a facility place of service was aproximately \$173M or 44.18%.

Primary Care and Evaluation & Managment - Top 15 by Total Paid

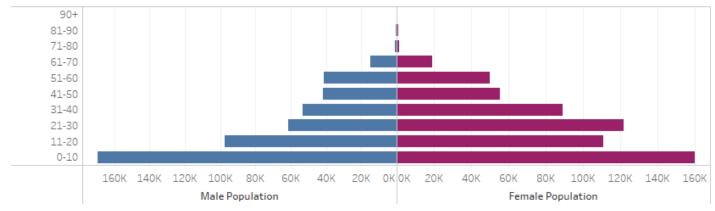
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Procedure	Procedure Description	CY 2016 Paid Units	Total Paid Amount	Colorado Medicaid Rate	Non-Facility Benchmark Rate	Rate Ratio to Non-Facility
99214	Office/outpatient visit est	642,120	\$64,100,672	\$94.44	\$108.75	86.84%
99213	Office/outpatient visit est	798,457	\$53,865,033	\$64.00	\$73.94	86.56%
99285	Emergency dept visit	203,622	\$31,712,013	\$139.99	\$175.86	79.60%
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99392	Prev visit est age 1-4	72,830	\$7,319,554	\$94.11	\$106.95	87.99%
99205	Office/outpatient visit new	31,831	\$6,141,375	\$181.21	\$209.24	86.60%

Access and Utilization - Primary Care/E&M



Though distinct client counts decreased from 192,711 in December 2014 to 181,888 in December 2016, there was a 2.64% year over year increase from CY 2015 to CY 2016. Providers increased from 11,205 in December 2014 to 12,001 in December 2016, and there was a 5.51% year over year increase from CY 2015 to CY 2016.

Utilizer Age and Gender

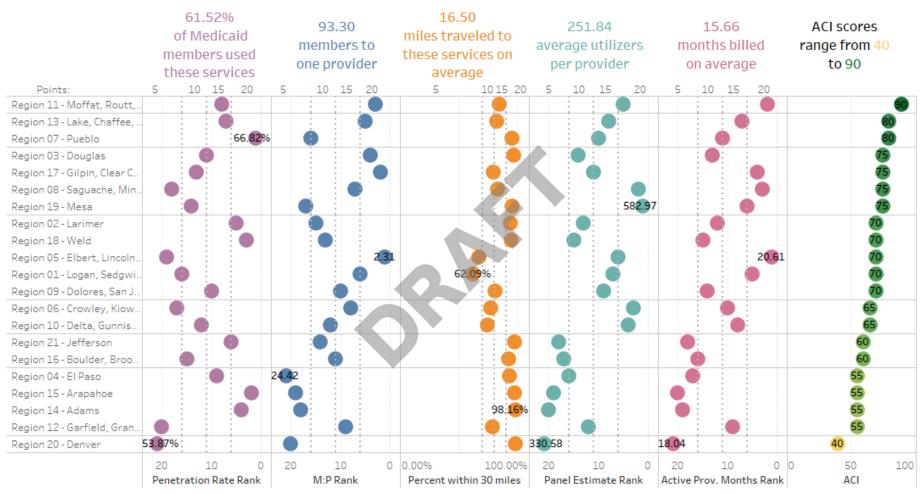


Children and women of childbearing age were the highest utilizers of these services.



ACI Metric Performance and Score Calculation - Primary Care/E&M

How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.



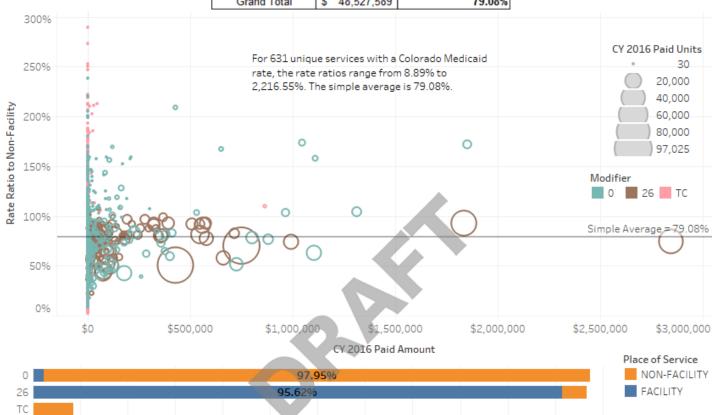
The penetration rate ranges from 53.87% to 66.82%. The member to provider ratio ranges from 2.31 members per provider to 24.42. The distance metric ranges from 62.09% of utilizers traveling within 30 miles to 98.16%. Panels range from an average of 330.58 utilizers per provider to 582.97. Providers were active from an average of 18.04 months to 20.61. The resulting ACI scores range from 40 to 90.





DRAFT Rate Comparison Analysis: Radiology (CY 2016)

Modifier	Total Paid CY 2016	Simple Average Rate Ratio to Non-Facility
Global (0)	\$ 23,478,384	81.87%
Professional (26)	\$ 23,330,553	75.65%
Technical (TC)	\$ 1,718,652	79.61%
Grand Total	\$ 48,527,589	79.08%



Total paid during CY 2016 by place of service detailed in color and further split by modifier. For claims with the global modifier (0), the total paid for services provided in a non-facility equals 97.95% (orange) and in a facility equals 2.05% (blue). For claims with the professional modifier (26), the total paid for services provided in a non-facility equals 4.38% (orange) and in a facility equals 95.62% (blue). Finnally, For claims with the technical component modifier (TC), the total paid for services provided in a non-facility equals 99.53% (orange) and in a facility equals 0.47% (blue).

\$12,000K

\$16,000K

\$20,000K

\$24,000K

Radiology - Top Codes by Total Paid

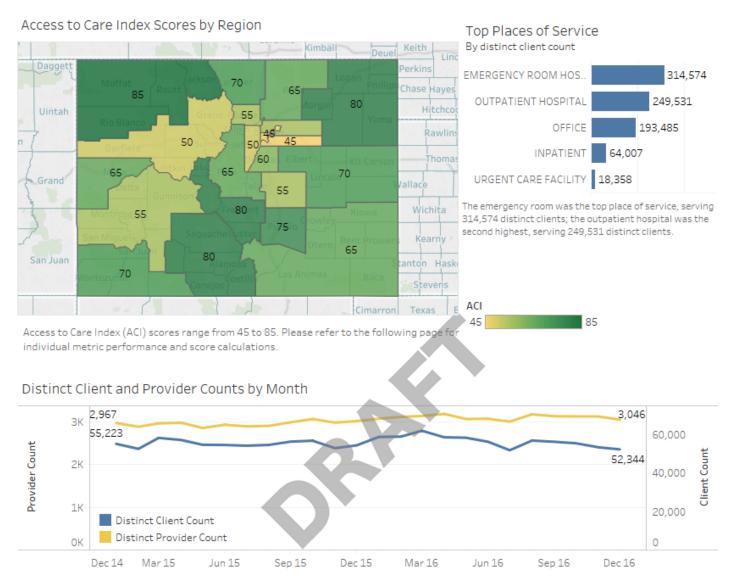
\$8,000K

\$4,000K

\$0K

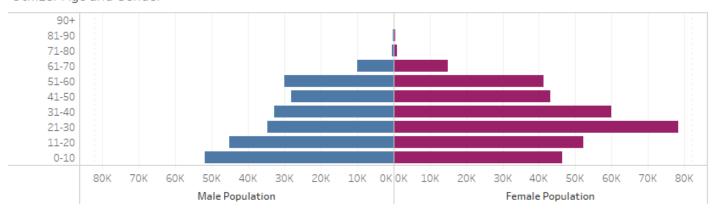
Procedure	Modifier Split	Procedure Description	CY 2016 Radiology Units	Total Paid Amount	Colorado Medicaid Rate	Non-Facility Benchmark Rate	Rate Ratio to Non-Facility
74177	0	Ct abd & pelv w/contrast	1,301	\$339,668	\$266.62	\$315.47	84.52%
	26	Ct abd & pelv w/contrast	41,753	\$2,845,957	\$69.15	\$93.32	74.10%
	TC	Ct abd & pelv w/contrast	347	\$67,575	\$197.47	\$222.16	88.89%
72148	0	Mri lumbar spine w/o dye	4,852	\$1,852,755	\$389.28	\$226.82	171.63%
	26	Mri lumbar spine w/o dye	7,824	\$548,812	\$70.01	\$76.45	91.58%
	TC	Mri lumbar spine w/o dye	144	\$45,139	\$319.36	\$150.38	212.37%
70450	0	Ct head/brain w/o dye	634	\$123,602	\$199.36	\$117.72	169.35%
	26	Ct head/brain w/o dye	45,975	\$1,834,064	\$40.50	\$43.79	92.49%
	TC	Ct head/brain w/o dye	30	\$2,477	\$156.97	\$73.94	212.29%
70553	0	Mri brain stem w/o & w/dye	1,885	\$1,111,822	\$603.31	\$382.58	157.70%
	26	Mri brain stem w/o & w/dye	7,491	\$716,275	\$97.01	\$117.36	82.66%
	TC	Mri brain stem w/o & w/dye	52	\$25,181	\$491.63	\$265.22	185.37%

Access and Utilization - Radiology



Though distinct client counts decreased from 55,223 in December 2014 to 52,344 in December 2016, there was a 2.68% year over year increase from CY 2015 to CY 2016. Providers increased from 2,967 in December 2014 to 3,046 in December 2016, and there was a 7.29% year over year increase from CY 2015 to CY 2016.

Utilizer Age and Gender

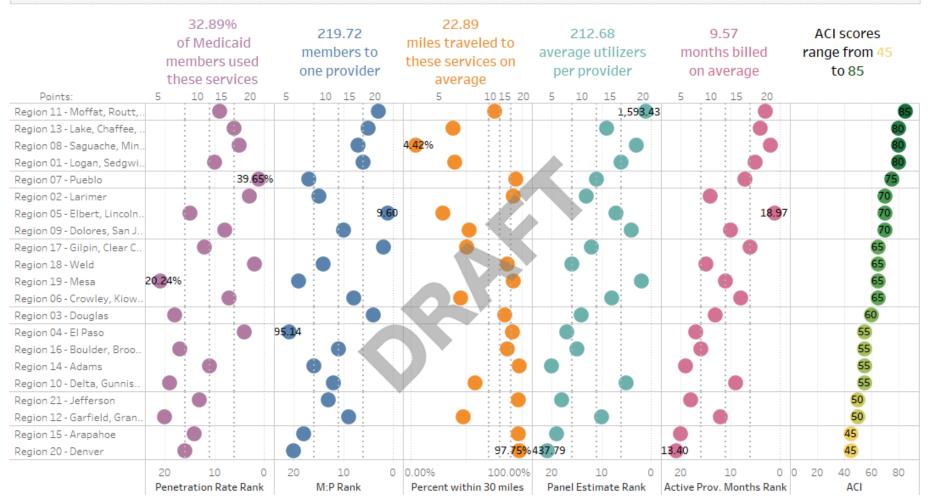


Women of childbearing age were the highest utilizers of these services.



ACI Metric Performance and Score Calculation - Radiology

How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.

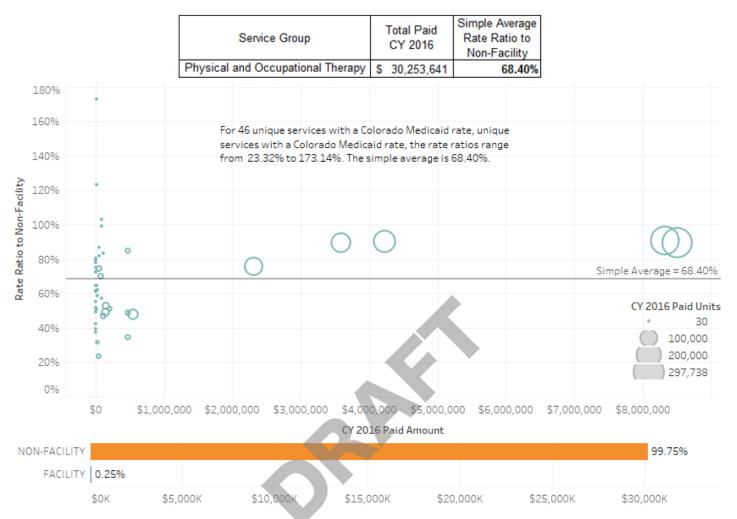


The penetration rate ranges from 20.24% to 39.65%. The member to provider ratio ranges from 9.60 members per provider to 95.14. The distance metric ranges from 4.42% of utilizers traveling within 30 miles to 97.75%. Panels range from an average of 437.79 utilizers per provider to 1,593.43. Providers were active from an average of 13.40 months to 18.97. The resulting ACI scores range from 45 to 85.





DRAFT Rate Comparison Analysis: Physical and Occupational Therapy (CY 2016)



Total paid for services provided in a non-facility place of service was aproximately \$30M or 99.75% of the overall total paid. Total paid for services provided in a facility place of service was aproximately 0.25%.

Physical and Occupational Therapy - Top 15 Codes by Total Paid

Procedure	Procedure Description	CY 2016 Paid Units	Total Paid Amount	Colorado Medicaid Rate		Rate Ratio to Non-Facility
97110	PT ONE OR MORE AREAS EA 15 MIN	297,737	\$8,503,531	\$29.54	\$33.02	89.46%
97530	Therapeutic activities	269,647	\$8,323,812	\$32.16	\$35.53	90.52%
97140	Manual therapy 1/> regions	157,227	\$4,223,545	\$27.55	\$30.51	90.30%
97112	Neuromuscular reeducation	123,179	\$3,584,287	\$30.84	\$34.46	89.50%
97533	Sensory integration	105,647	\$2,314,102	\$22.49	\$29.79	75.50%
97535	Self care mngment training	33,242	\$547,083	\$17.04	\$35.53	47.96%
97161	Physical therapy evaluation: low complexity	6,877	\$466,290	\$28.36	\$81.83	34.66%
97162	Physical therapy evaluation: moderate complexity	6,877	\$466,290	\$39.94	\$81.83	48.81%
97163	Physical therapy evaluation: high complexity	6,877	\$466,290	\$69.49	\$81.83	84.92%
97164	Re-evaluation of physical therapy	5,458	\$208,468	\$28.36	\$55.63	50.98%
97032	APP MODALITY TO ONE OR MORE AREAS	14,249	\$142,468	\$10.21	\$19.38	52.68%
97014	Electric stimulation therapy	18,088	\$141,330	\$7.95	\$16.15	49.23%
97597	Rmvl devital tis 20 cm/<	1,753	\$106,897	\$63.60	\$76.45	83.19%
97124	P T EACH 15 MIN MASSAGE	8,689	\$106,587	\$12.47	\$26.56	46.95%
97165	Occupational therapy evaluation, low complexity	1,377	\$90,045	\$45.39	\$79.32	57.22%

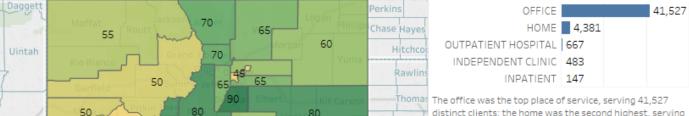
Access and Utilization - Physical and Occupational Therapy

Kimball

Access to Care Index Scores by Region

45

Top Places of Service By distinct client count



80

50

Keith

Wichita

Kearny

distinct clients; the home was the second highest, serving 4,381 distinct clients.

anton Hask 75 Stevens ACI Access to Care Index (ACI) scores range from 45 to 90. Please refer to the following page for

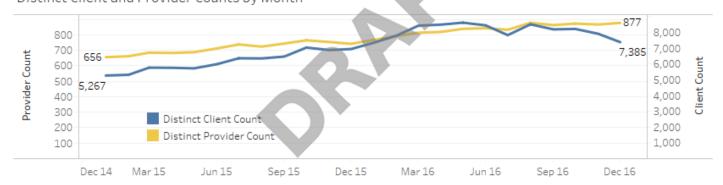
60

65

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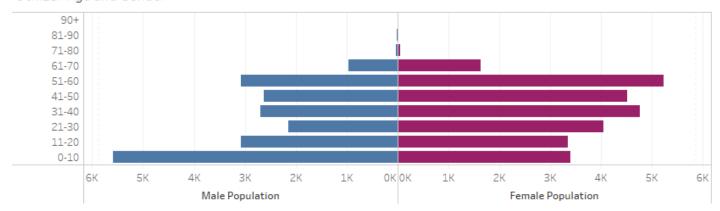
Distinct Client and Provider Counts by Month

individual metric performance and score calculations.



Distinct client counts increased from 5,276 in December 2014 to 7,385 in December 2016, and there was a 27.51% year over year increase from CY 2015 to CY 2016. Providers increased from 656 in December 2014 to 877 in December 2016, and there was a 20.85% year over year increase from CY 2015 to CY 2016.

Utilizer Age and Gender

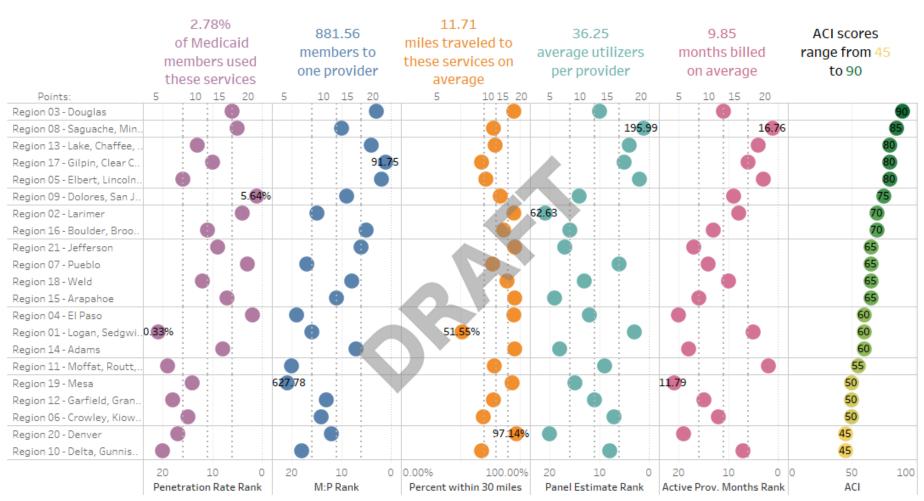


Boys between the ages of 0-10 were the highest utilizers of these services.



ACI Metric Performance and Score Calculation - Physical and Occupational Therapy

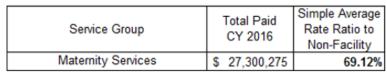
How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.

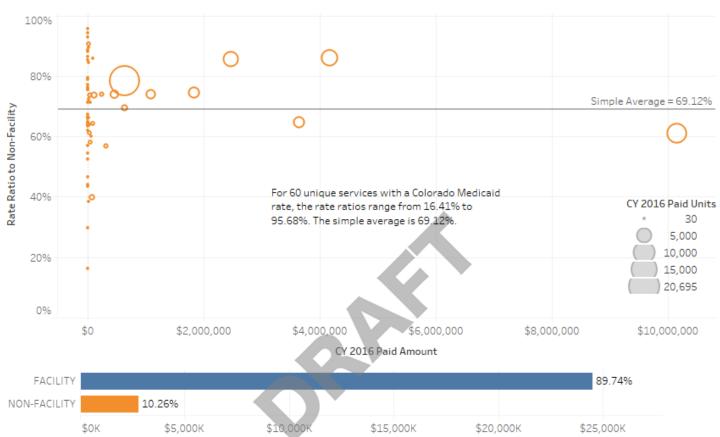


The penetration rate ranges from 0.33% to 5.64%. The member to provider ratio ranges from 91.75 members per provider to 627.78. The distance metric ranges from 51.55% of utilizers traveling within 30 miles to 97.14%. Panels range from an average of 62.63 utilizers per provider to 195.99. Providers were active from an average of 11.79 months to 16.76. The resulting ACI scores range from 45 to 90.









Total paid for services provided in a facility place of service was aproximately \$24M or 89.74% of the overall total paid. Total paid for services provided in a non-facility place of service was aproximately \$2.8M or 10.26%.

Maternity and Delivery - Top 15 Codes by Total Paid

Procedure	Procedure Description	CY 2016 Paid Units	Total Paid Amount	Colorado Medicaid Rate	Non-Facility Benchmark	Rate Ratio to Non-Facility
59400	TOTAL OBSTETRICAL CARE INCLUDING ANTEPAR	8,618	\$10,145,598	\$1,202.83	\$1,974.57	60.92%
59409	VAGINAL DELIVERY	5,810	\$4,159,735	\$729.62	\$848.49	85.99%
59510	Cesarean delivery	2,571	\$3,637,299	\$1,443.74	\$2,234.80	64.60%
59514	CAESAREAN DEL	5,005	\$2,468,124	\$855.23	\$999.92	85.53%
59410	VAGINAL DEL ONLY INCL POSTPARTUM CARE	2,346	\$1,830,886	\$796.38	\$1,067.38	74.61%
59426	ANTEPARTUM CARE ONLY	1,819	\$1,081,228	\$604.35	\$818.37	73.85%
59515	CESAREAN DEL ONLY INCLUDING POSTPARTUM C	694	\$628,367	\$925.10	\$1,334.24	69.34%
59025	FETAL NON-STRESS TEST	20,692	\$625,944	\$30.91	\$39.79	78.36%
59425	ANTEPARTUM CARE ONLY	1,387	\$458,981	\$337.62	\$457.18	73.85%
59610	ANTE POSTPART VAG DEL AFT C/SECT	264	\$311,082	\$1,209.72	\$2,123.70	56.96%
59612	VAGINAL DEL ONLY AFTER CESAR DELIVERY	319	\$231,321	\$739.25	\$999.50	73.96%
59430	MATERNITY POSTPARTUM CARE ONLY (INDEPEND	757	\$100,962	\$136.63	\$185.54	73.64%
59620	Attempted vbac delivery only	112	\$88,180	\$923.72	\$1,074.05	86.00%
59151	LAP TR ECTOPIC PREG W/SALPIN &/OR OOPHOR	183	\$79,424	\$481.82	\$748.52	64.37%
59820	TR OF MISS AB COMPLETED SURG FIRST TRIME	540	\$72,977	\$137.66	\$344.51	39.96%

Access and Utilization - Maternity Services

Access to Care Index Scores by Region Top Places of Service By distinct client count Kimball Keith Daggett erkins INPATIENT 45,455 65 Chase Hayes OFFICE | 65 65 60 OUTPATIENT HOSPITAL 10,625 Uintah 80 EMERGENCY ROOM HOS.. | 1,059 Rawlins URGENT CARE FACILITY 30 50 55 The inpatient hospital was the top place of service, serving 85 45,455 distinct clients; the office was the second highest, 75 serving 14,148 distinct clients. 80 Wichita 90 40 75 Kearny 50 75 anton Hask 35 Stevens ACI Access to Care Index (ACI) scores range from 45 to 90. Please refer to the following page 📶 individual metric performance and score calculations. Distinct Client and Provider Counts by Month 800 766 2,886 3,000 2.567 600 Provider Count 2,000 400 Distinct Client Count 1,000 200 Distinct Provider Count 0

Distinct client counts decreased from 2,886 in December 2014 to 2,567 in December 2016, and there was a 1.64% year over year decrease from CY 2015 to CY 2016. Providers decreased from 766 in December 2014 to 718 in December 2016, and there was a 3.68% year over year increase from CY 2015 to CY 2016.

Mar 16

Jun 16

Sep 16

Dec 16

Dec 15

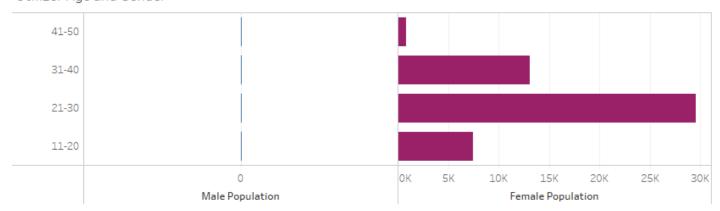
Sep 15

Jun 15

Utilizer Age and Gender

Dec 14

Mar 15

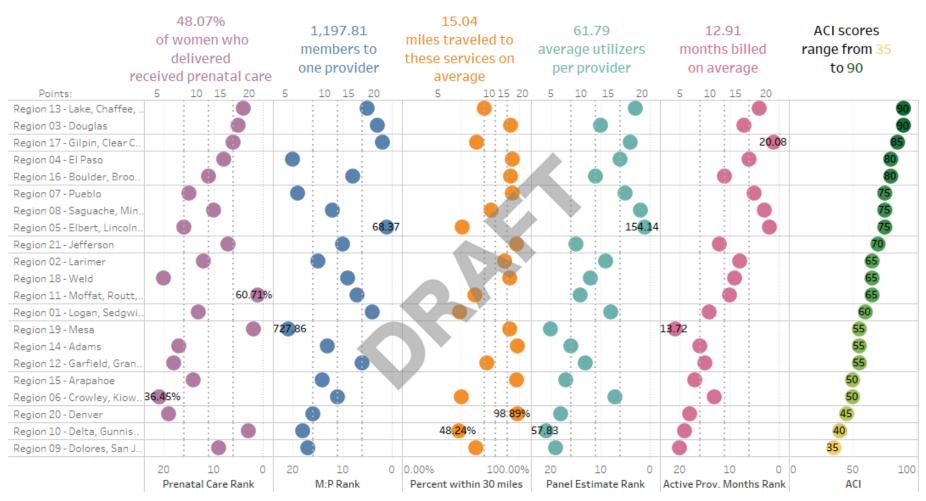


Women between the ages of 21-30 were the highest utilizers of these services.



ACI Metric Performance and Score Calculation - Maternity Services

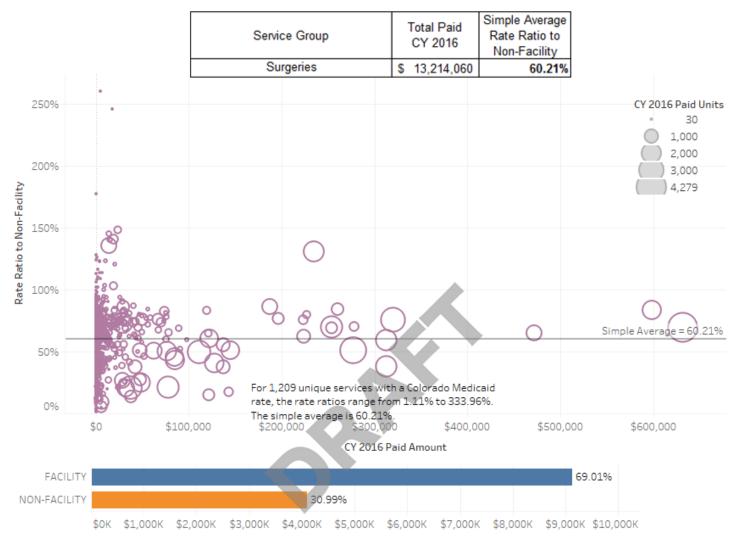
How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.



The percent of women who delivered who received prenatal care ranges from 36.45% to 60.71%. The member to provider ratio ranges from 68.37 members per provider to 727.86. The distance metric ranges from 48.24% of utilizers traveling within 30 miles to 98.89%. Panels range from an average of 57.83 utilizers per provider to 154.14. Providers were active from an average of 13.72 months to 20.08. The resulting ACI scores range from 35 to 90.







Total paid for services provided in a facility place of service was aproximately \$9M or 69.01% of the overall paid. Total paid for services pour geray for Fapt 15.6 or description and the facility place of services are serviced as a service of the contraction of the facility place of services are serviced as a service of the contraction of the contracti

Procedure	Procedure Description	CY 2016 Paid Units	Total Paid Amount	Colorado Medicaid Rate	Non-Facility Benchmark	Rate Ratio to Non-Facility
64483	Inj foramen epidural I/s	4,278	\$631,363	\$153.49	\$221.44	69.31%
64635	Destroy lumb/sac facet jnt	1,736	\$598,233	\$353.10	\$421.34	83.80%
58571	Tlh w/t/o 250 g or less	1,088	\$471,695	\$597.81	\$920.19	64.97%
64615	Chemodenerv musc migraine	2,912	\$319,865	\$112.54	\$149.30	75.38%
62322	Njx interlaminar Imbr/sac	2,149	\$312,628	\$94.75	\$158.99	59.59%
62323	Njx interlaminar Imbr/sac	2,149	\$312,628	\$94.75	\$248.71	38.10%
63030	Low back disk surgery	425	\$278,068	\$707.59	\$1,012.07	69.92%
64493	Inj paravert f jnt I/s 1 lev	3,428	\$276,788	\$89.13	\$174.07	51.20%
64633	Destroy cerv/thor facet jnt	739	\$260,383	\$359.30	\$426.00	84.34%
57454	Bx/curett of cervix w/scope	2,364	\$253,600	\$108.41	\$155.76	69.60%
58662	Laparoscopy excise lesions	608	\$253,453	\$503.50	\$726.03	69.35%
64484	Inj foramen epidural add-on	2,056	\$234,376	\$116.67	\$89.01	131.08%
63047	Remove spine lamina 1 lmbr	327	\$226,988	\$916.15	\$1,150.60	79.62%
64721	NEUROPLASTY-ARM, MEDIAN AT CARPAL TUNNEL	875	\$223,948	\$275.33	\$441.44	62.37%
50590	LITHOTRIPSY EXTRACORPOREAL SHOCK WAVE	408	\$223,686	\$561.67	\$741.11	75.79%

Access and Utilization - Surgeries

Access to Care Index Scores by Region Top Places of Service By distinct client count Kimball Keith Daggett OUTPATIENT HOSPITAL 60 Chase Hayes OFFICE 24,189 50 70 11,808 INPATIENT 60 EMERGENCY ROOM HOS.. Rawlin URGENT CARE FACILITY 84 50 The outpatient hosptial was the top place of service, serving 27,577 distinct clients; the office was the second 75 highest, serving 24,189 distinct clients. 65 Wichita 85 30 75 Kearny 75 enton Hask 55 Stevens ACI Access to Care Index (ACI) scores range from 30 to 85. Please refer to the following page for individual metric performance and score calculations. Distinct Client and Provider Counts by Month 6,000 1,701 4,270 1500 1,614 Provider Count 4.000 4,130 1000 500 Distinct Client Count Distinct Provider Count 0 0

Distinct client counts decreased from 4,270 in December 2014 to 4,130 in December 2016, and there was a 4.25% year over year increase from CY 2015 to CY 2016. Providers decreased from 1,701 in December 2014 to 1,614 in December 2016, and there was a 2.71% year over year increase from CY 2015 to CY 2016.

Dec 15

Mar 16

Jun 16

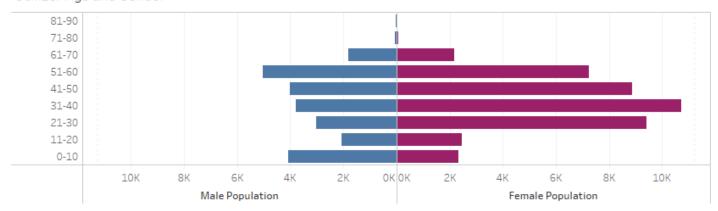
Sep 16

Dec 16

Utilizer Age and Gender

Dec 14

Mar 15



Women between the ages of 31 and 40 were the highest utilizers of these surgeries.

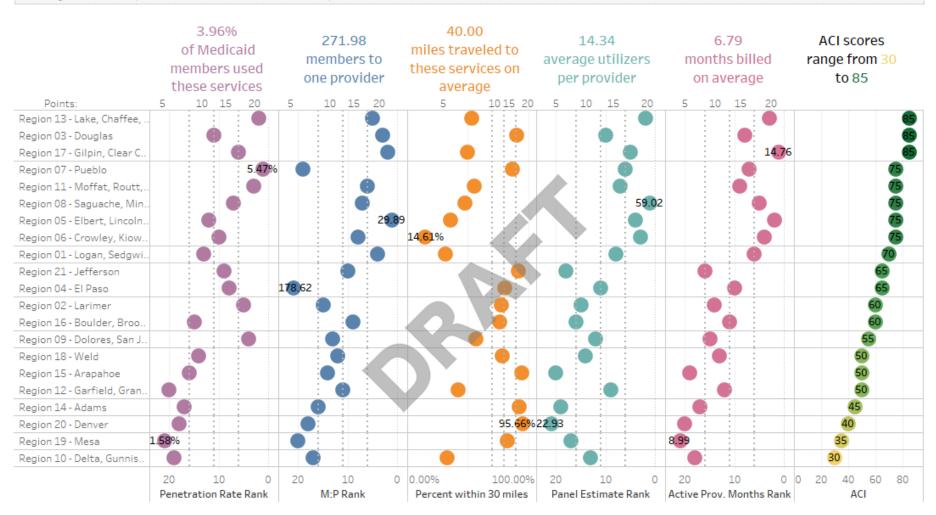
Jun 15

Sep 15



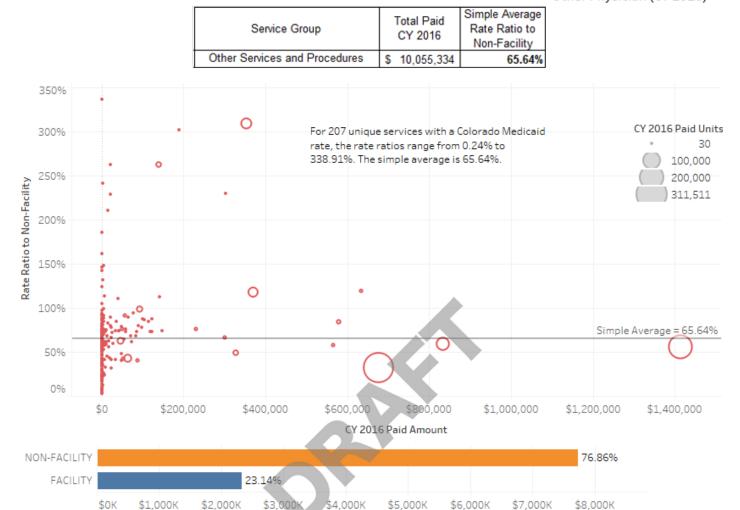
ACI Metric Performance and Score Calculation - Surgeries

How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.







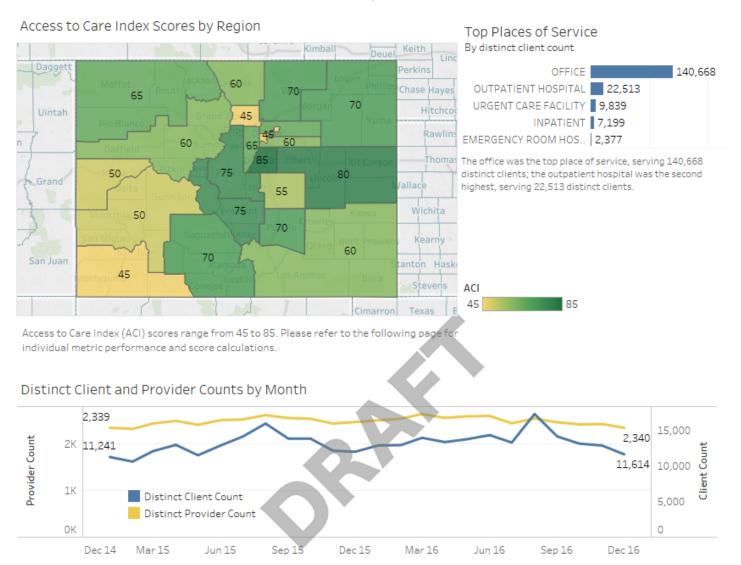


Total paid for services provided in a non-facility place of service was aproximately \$7.7M or 76.86% of the overall paid. Total paid for services provided in a facility place of service was aproximately \$2.3M or 23.14% (blue).

Other Physician - Top 15 Codes by Total Paid

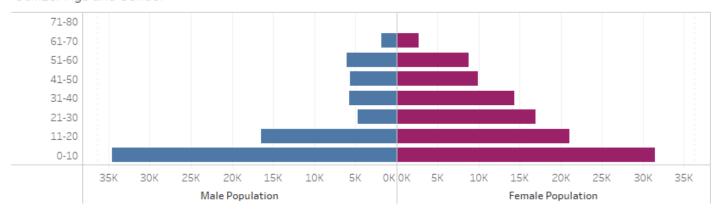
Procedure	Procedure Description	CY 2016 Paid Units	Total Paid Amount	Colorado Medicaid Rate	Non-Facility Benchmark Ra	Rate Ratio to Non-Facility
95165	Antigen therapy services	193,069	\$1,413,864	\$7.44	\$13.28	56.02%
96372	Ther/proph/diag inj sc/im	55,251	\$832,603	\$15.36	\$25.84	59.44%
95004	Percut allergy skin tests	311,510	\$675,191	\$2.21	\$6.82	32.40%
95811	Polysom 6/>yrs cpap 4/> parm	3,522	\$633,709	\$183.02	\$185.18	119.66%
96413	Chemo iv infusion 1 hr	5,056	\$579,247	\$117.07	\$139.61	83.86%
95951	MONITOR - LOCAL CEREBRAL SEIZURE	3,008	\$564,308	\$190.42	\$329.16	57.93%
95117	Immunotherapy injections	31,072	\$369,760	\$12.22	\$10.41	117.39%
99173	Visual acuity screen	37,377	\$353,705	\$9.99	\$3.23	309.29%
99152	Mod sed same phys/qhp 5/>yrs	6,451	\$327,725	\$25.52	\$52.04	49.04%
95813	Eeg over 1 hour	1,064	\$302,064	\$295.23	\$186.72	229.62%
95810	Polysom 6/> yrs 4/> param	3,408	\$299,430	\$89.15	\$147.00	66.11%
95886	Musc test done w/n test comp	3,730	\$229,281	\$62.40	\$82.83	75.72%
95812	Eeg 41-60 minutes	938	\$188,801	\$218.19	\$97.59	302.89%
95911	Nrv cndj test 9-10 studies	914	\$148,330	\$165.11	\$223.57	73.90%
95806	Sleep study unatt&resp efft	875	\$141,563	\$165.57	\$148.12	112.87%

Access and Utilization - Other Physician Services and Procedures



Distinct client counts increased from 11,241 in December 2014 to 11,614 in December 2016, and there was a 6.10% year over year increase from CY 2015 to CY 2016. Providers remained constant with 2,339 in December 2014 to 2,340 in December 2016, and there was a 3.55% year over year increase from CY 2015 to CY 2016.

Utilizer Age and Gender

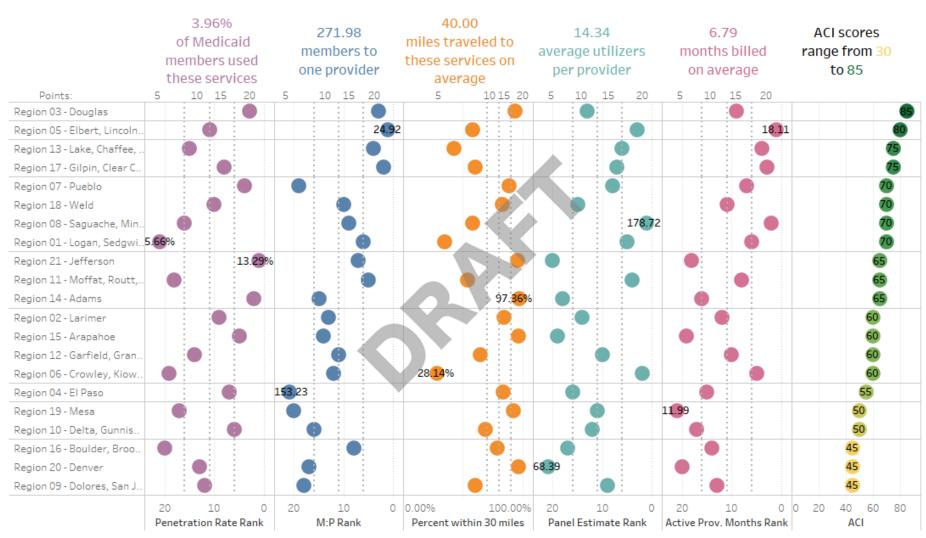


Children under the age of 10 were the highest utilizers of these services.



ACI Metric Performance and Score Calculation - Other Services and Procedures

How to read this chart: The ACI dot plot displays information for each metric in every region. Metrics are displayed in columns and each circle represents the rank of the region for each metric (except the distance metric). Regions in the top quartile receive 20 points while those in the bottom receive 5 (quartiles are outlined with dotted vertical lines). For the distance metric, points are distributed based on the percent of utilizers that traveled within 30 miles. For context, the highest and lowest regions are labeled on the performance of each metric. Resulting ACI scores are presented in the last column. Statewide performance on the metrics are described above each metric on the chart.



The penetration rate ranges from 5.66% to 13.29%. The member to provider ratio ranges from 24.92 members per provider to 153.23. The distance metric ranges from 28.14% of utilizers traveling within 30 miles to 97.36%. Panels range from an average of 68.39 utilizers per provider to 178.72. Providers were active from an average of 11.99 months to 18.11. The resulting ACI scores range from 45 to 85.



Definitions

Active Provider Months	The average number of months that providers billed Colorado Medicaid over a 24-
Benchmark Rates	month time frame. Rates to which Colorado Medicaid rates are compared.
Benchmark Rates	· · · · · · · · · · · · · · · · · · ·
Distance Metric	The distance metric measures the percent of Colorado Medicaid clients who
	traveled within 30 miles to receive services.
	The Colorado Department of Public Health and Environment developed 21 Health
Health Statistics Region	Statistics Regions using statistical and demographic criteria. The regions are
	displayed on p.5. For more information, see <u>Colorado Health Data – Health</u>
	<u>Disparities Profiles</u> .
Member to Provider (M:P) Ratio	The M:P ratio is the number of clients per active rendering provider.
Panel Estimate	The average number of clients seen per rendering provider.
Penetration Rate	The percent of enrolled Colorado Medicaid clients who utilized a service.
	Place of Service (POS) codes are two-digit codes placed on professional claims to
	indicate the setting where a service was provided. POS codes are frequently
Place of Service	categorized into non-facility and facility settings. For a list of POS codes, see the
	Center for Medicare and Medicaid Service's (CMS) Place of Service Codes for
	Professional Claims.
	Professional services refer to services submitted on CMS-1500 claim forms, which
Professional Portion of	is the form used for submitting physician and professional claims for providers.
Services	This form is different from the UB-04 form, which is the claim form for
	institutional facilities such as hospitals or outpatient facilities.
	For each service code, and relevant modifier, the rate ratio is the division of the
	corresponding Colorado rate to the benchmark rate. For example, if procedure
Rate Ratio	code 99217 has a Colorado Medicaid rate of \$56.08 and Medicare has a rate of
	\$73.94 then the resulting rate ratio is \$56.08/\$73.94 = 0.7585, expressed as a
	percentage as 75.85%.
	The average of all service-specific rate ratios for a service grouping, including services with no utilization. This average does not incorporate service utilization
Simple Average Rate Ratio	information. The simple average is sometimes referred to as the simple average
	rate ratio.
	Units are quantities associated with a procedure and may vary depending on type
	of service. The most common unit is one and represents the delivery of one unit
	of a service. Other services, such physician-administered drugs, have a
Units	denomination reflected by the drug dosage (e.g., 1 mL, 5 mL, etc.). Some therapy
	and radiology services define units by time (e.g., 15 minutes). Not all payers share
	the same unit definitions and adjustments may need to be incorporated to
	account for payer differences.
	and the payor amorement.