



CENTER FOR IMPROVING
VALUE IN HEALTH CARE

Colorado All Payer Claims Database

High Cost Imaging

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High Cost Imaging



The following report shows utilization of services by geography (rate of High Cost Imaging per thousand people in the area) as well as average facility payments for the top 20 volume facilities and average payments for the top 20 volume counties for High Cost Imaging. (Note: Costs only include the costs billed by the facility from any submitter of claims in the Colorado APCD and are not inclusive of the additional, separately billed professional services that can accompany a procedure.) Facilities are currently anonymous. County-level data represents location of residence of the people receiving High Cost Imaging, not the location where the services were received. All data comes directly from the Colorado All Payer Claims Database. High Cost Imaging is determined by BETOS categories I2C and I2D. Please refer to the Fine Print page for further information.

A subset of Colorado counties and facilities were used to illustrate variation. Each of the facilities has been made anonymous at this point in time.

Utilization per Thousand Members by Geography

County	Completeness Score	2011	Illness Burden	2012	Illness Burden	2013	Illness Burden
Adams	C3	12.29	4.54	14.17	5.81	12.35	5.97
Arapahoe	C3	11.67	4.64	12.20	5.28	11.48	6.00
Boulder	C3	13.22	2.78	15.68	3.70	17.24	4.05
Broomfield	C3	13.60	4.70	19.54	4.99	15.09	5.76
Delta	C2	14.90	4.03	12.89	2.21	15.68	2.50
Denver	C3	6.13	5.03	7.46	5.33	5.86	5.67
Douglas	C2	13.24	3.63	13.20	4.27	10.86	5.20
Eagle	C2	13.22	4.15	13.85	4.15	14.74	4.75
El Paso	C2	10.06	4.04	19.25	4.25	18.45	4.15
Fremont	C2	18.04	3.03	16.81	6.38	21.18	4.14
Garfield	C2	13.51	3.16	13.80	3.06	14.63	4.48
Jefferson	C3	11.58	4.81	13.82	5.06	11.94	5.25
La Plata	C2	29.56	2.73	30.24	3.24	31.76	3.58
Larimer	C2	11.36	4.15	13.29	5.00	14.87	5.15
Mesa	C3	12.35	2.69	13.38	3.36	12.54	3.62
Montrose	C3	17.36	2.58	15.01	2.46	17.06	2.94
Morgan	C2	19.17	2.76	23.72	2.72	23.80	4.80
Pueblo	C3	12.04	4.12	11.62	4.26	12.10	5.20
Summit	C2	9.65	5.64	12.68	6.10	10.06	7.49
Weld	C2	15.23	3.92	15.91	4.50	17.59	4.56
Other Counties	C1	21.00	3.07	21.59	3.36	23.07	3.57
Statewide Average		11.97	3.93	13.97	4.47	13.22	4.73

*The * indicates insufficient data to report.*

High Cost Imaging



Average Cost per Service by Geography

County	Completeness Score	2011	Illness Burden	2012	Illness Burden	2013	Illness Burden
Adams	C3	\$863	4.54	\$842	5.81	\$797	5.97
Arapahoe	C3	\$971	4.64	\$898	5.28	\$908	6.00
Boulder	C3	\$976	2.78	\$893	3.70	\$828	4.05
Broomfield	C3	\$1,086	4.70	\$919	4.99	\$948	5.76
Delta	C2	\$1,591	4.03	\$1,302	2.21	\$1,578	2.50
Denver	C3	\$991	5.03	\$932	5.33	\$916	5.67
Douglas	C2	\$1,051	3.63	\$1,046	4.27	\$953	5.20
Eagle	C2	\$1,329	4.15	\$1,362	4.15	\$1,358	4.75
El Paso	C2	\$597	4.04	\$532	4.25	\$552	4.15
Fremont	C2	\$452	3.03	\$760	6.38	\$725	4.14
Garfield	C2	\$1,843	3.16	\$1,848	3.06	\$1,833	4.48
Jefferson	C3	\$976	4.81	\$871	5.06	\$873	5.25
La Plata	C2	\$1,299	2.73	\$1,438	3.24	\$1,695	3.58
Larimer	C2	\$1,246	4.15	\$1,186	5.00	\$1,110	5.15
Mesa	C3	\$1,713	2.69	\$1,808	3.36	\$1,797	3.62
Montrose	C3	\$1,365	2.58	\$1,156	2.46	\$1,329	2.94
Morgan	C2	\$1,445	2.76	\$1,504	2.72	\$1,495	4.80
Pueblo	C3	\$581	4.12	\$569	4.26	\$692	5.20
Summit	C2	\$1,980	5.64	\$1,344	6.10	\$1,742	7.49
Weld	C2	\$1,057	3.92	\$1,007	4.50	\$973	4.56
Other Counties	C1	\$1,044	3.07	\$1,029	3.36	\$1,158	3.57
Statewide Average		\$1,021	3.93	\$952	4.47	\$974	4.73

The * indicates insufficient data to report.

High Cost Imaging



Average Cost per Service by Facility

Facility	2011	Illness Burden	2012	Illness Burden	2013	Illness Burden
Facility 171630	\$2,204	3.01	\$2,056	2.05	\$2,533	4.11
Facility 171657	\$1,262	4.56	\$1,213	3.93	\$1,304	4.32
Facility 170302	\$1,081	2.39	\$1,079	4.30	\$992	5.12
Facility 173220	\$1,018	1.52	\$1,099	1.75	\$1,282	2.51
Facility 191535	\$1,278	2.68	\$1,349	3.79	\$1,526	4.04
Facility 171232	\$2,480	3.89	\$2,233	5.64	\$2,193	6.94
Facility 175734	\$1,109	3.10	\$936	2.88	\$814	4.09
Facility 188022	\$1,113	3.52	\$1,038	3.58	\$765	3.85
Facility 173006	\$966	3.22	\$1,018	3.16	\$973	3.66
Facility 174840	\$615	2.96	\$542	3.44	\$537	4.09
Facility 223378	\$1,071	5.68	\$990	6.57	\$936	4.46
Facility 175996	\$1,751	2.72	\$1,495	3.62	\$1,324	4.20
Facility 169276	\$948	1.97	\$980	3.18	\$761	3.51
Facility 172583	\$989	2.94	\$771	3.27	\$856	3.74
Facility 916575	\$1,686	4.07	\$1,657	4.10	\$1,809	5.25
Facility 242060	\$986	5.76	\$922	7.04	\$869	7.76
Facility 215642	\$2,042	3.27	\$2,079	3.61	\$1,863	3.50
Facility 169986	\$619	4.12	\$505	4.27	\$1,190	7.17
Facility 174046	\$1,363	7.61	\$1,280	6.82	\$1,036	6.77
Facility 272195	\$1,099	6.51	\$1,063	7.87	\$1,098	8.02
Other Facilities	\$824	3.00	\$797	3.29	\$847	3.27
Statewide Average	\$1,021	3.93	\$952	4.47	\$974	4.73

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Current Payers: Data Vintage: COAPCDQ42014

This Data Vintage stamp reflects indicates which payer data is included in this report, along with any special conditions and data submission waivers associated with the payer data. Current payers include the 12 largest commercial payers in Colorado (large-group and individual fully insured lines of business) and Medicaid. Small group, self-insured commercial payers and Medicare are not included. Please visit the Glossary in the Resources tab at <http://www.cohealthdata.org> for the full Data Vintage information, and visit the Current Data/Future Milestones link on the Resources tab to see the timeline for adding additional payers to the database.

Data Completeness Score

The data completeness score is an indicator of how comprehensive the coverage of lives in the database reflects the population. It is represented as a Quartile score of C1-C4 with C1 being the lowest score. The lower the score, the greater the degree of caution should be used in interpreting the results.

- C1 indicates that 25% of the population or less are included in the data.
- C2 represents that between 25% and 50% of the population are included in the data.
- C3 represents that between 50% and 75% of the population are included in the data.
- C4, the upper range, represents at least 75% of the population are included in the data.

Completeness scores are approximate estimations based on data sources internal and external to the APCD. They are designed to provide an appropriate level of caution to users of the APCD. It's important to keep in mind that caution needs to be exercised when reviewing data from C1 and C2 and that data becomes more reliable as you move from C3 to C4.

3M Technology

3M™ Health Information Systems provides grouping technology used in the creation of the data in this report. 3M™ APR-DRG Software (All Patient Refined Diagnoses Related Groups) is a classification system to categorize hospital stays based on diagnoses and procedures performed. 3M™ Clinical Risk Grouping Software (CRGs) categorize a population based on health status and use of health care services from claims submitted over a calendar year. 3M™ EAPG Software (Enhanced Ambulatory Patient Groups) is a patient classification system designed to explain the amount and type of resources used in an ambulatory visit. . 3M™ Potentially Preventable Readmissions Software (PPR) identifies those admissions in an acute care setting that have subsequent readmissions, within 30 days that are both clinically related and are deemed potentially preventable. Please reference the following link for more information on 3M Health Information Systems grouping technology:

http://solutions.3m.com/wps/portal/3M/en_US/Health-Information-Systems/HIS/Products-and-Services/Classification-and-Grouping/

Illness Burden

The Illness Burden for a population is a number used to measure the relative health of that group based upon the number and types of healthcare services used. A higher number (above the 1.0 average) indicates that the population uses more and/or costlier services relative to the rest of the population in the database and is often a result of a higher number of people with chronic diseases like diabetes or asthma. Likewise, smaller numbers (below the 1.0 average), indicate a relatively healthier population using less health care services.

Compared to Expected

Compared to Expected (C2E) values indicate how different the actual observed data in an area is from an expected value (an average based upon the type of people that live in that area). The C2E is always represented as a percentage. Numbers in red represent those "compared to expected" values that are in excess of 25%, indicating a higher than average expected cost or use of services. Likewise, numbers in green represent those "compared to expected" values that are below -25% indicating a lower than average expected cost or use of services.

BETOS Categories

BETOS is an acronym for Berenson-Eggers Type of Service. BETOS Categories are groupings of professional services based on the HCPCS (Health Care Procedure Coding System, including CPT codes) used by the provider to identify the services rendered at the time of service. Please see the following link for additional information:

<http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/MedicareFeeforSvcPartsAB/Downloads/BETOSDescCodes.pdf>

CPT Codes

CPT is an acronym for Current Procedural Terminology and is a registered trademark of the American Medical Association. For more information on CPT codes, please refer to the following location:

<http://www.ama-assn.org/ama/pub/physician-resources/solutions-managing-your-practice/coding-billing-insurance/cpt/about-cpt.page>

Terms & Conditions of Use

This report and any such data made available on or obtained through the APCD website is subject to our current Terms of Use and Privacy Policy available at <http://www.cohealthdata.org>.

Data Note

Data (particularly rates and percentages) from Colorado counties with fewer than 5,000 people are more volatile than data from counties with larger populations. Readers should exercise caution when interpreting results from counties with small populations. This includes: Baca, Cheyenne, Costilla, Custer, Dolores, Gilpin, Hinsdale, Jackson, Kiowa, Lincoln, Mineral, Ouray, Phillips, San Juan, Sedgwick, Saguache, and Washington Counties.

For additional definitions and information, visit the Resources page of <http://www.cohealthdata.org> or contact ColoradoAPCD@civhc.org.