

Center for Improving Value in Health Care

Products and Services

As administrator of the Colorado All Payer Claims Database (CO APCD), the Center for Improving Value in Health Care (CIVHC) harnesses data and provides analytics to address a variety of needs for researchers, health care providers, health care payers, businesses, and consumers.

What's in the CO APCD



1.1+ Billion Claims (2013-2023)



74% of Colorado Covered Lives (medical only, 2022)



49 Commercial Payers* + Medicaid & Medicare Fee-for-Service and Medicare Advantage

**Reflects calendar year 2023 payers only*

CO APCD Products

CO APCD provides a number of data products, available in different formats with various levels of customization to meet a variety of needs.

Data Sets | CO APCD data is provided as a set of pipe-delimited text files without analytics.

Custom Data Sets

Three file options are available to fit your specific use case and requirements. These data sets are customizable, they can also include APR-DRGs or geocoding elements such as census tract and census block information. You will work with CIVHC to select the elements for your data set as well as determine the level of protected health information (PHI) necessary to complete your project.

- **De-Identifiable Data Set** - no Protected Health Information (PHI).
- **Limited Data Set** - a limited set of PHI data elements (such as Zip Code or Date of Service).
- **Fully-Identifiable Data Set** - can incorporate select PHI elements based on your use case, subject to the minimum and necessary level of data needed to complete the project, as well as meeting HIPAA regulatory guidelines.

Questions the CO APCD Data Can Answer

Access

What types of services are being utilized?

Care Settings

Is the ED being utilized as a source of care for non-urgent situations?

Cost Drivers

Why are health care costs increasing?

Geographic Variation

Does health care cost more in rural or urban counties?

Health Equity

What social factors are impacting health care utilization?

Insurance Use

Are people using their insurance and does it differ by payer?

Payment Variation

Do payments for similar services differ by setting and location?

Prevention

Are Coloradans getting preventive tests and annual exams?

Custom Data Sets Data in Action

Data Set	User	Example Use Cases
De-Identified	Government Agency	Assess state spending and utilization for services for children to optimize state investments and federal matching potential.
De-Identified	Provider	Reimbursement & utilization trends for a wide range of clinical services.
Limited	Community-Focused Organization	Analyze the impact of supportive housing on access to health care and health care outcomes.
Limited	Researcher	Examine the correlation between type of insurance and healthcare utilization and spending patterns, including patient's out-of-pocket costs.
Fully-Identified	Government Agency	Study how health plan eligibility impacts health care utilization, cost, and outcomes.
Fully-Identified	Researcher	Investigate disparities in waitlist, survival rates, and health outcomes for organ transplant and organ failure patients.

Standard De-Identified Data Sets

Four standard data sets are available with different combinations of de-identified data elements and can typically be delivered within 30 calendar days following signing of data licensing documents. In addition to the specific elements below, all Standard Data Sets feature:

- The most current three years of data from commercial payers (including Medicare Advantage).
- Ability to be expanded to incorporate additional years as well as Medicaid data.
- Medicare Severity Diagnosis Related Groups (MS DRGs).
- Member event sequencing to allow users to see the timeline of care.

Data Elements Included	Level 1	Level 2A	Level 2B	Level 3
Mental & Physical Health Info	✓	✓	✓	✓
Paid Amounts (Plan & Member)	✓	✓	✓	✓
Diagnosis & Procedure Codes	✓	✓	✓	✓
Basic Member Demographics	✓	✓	✓	✓
Out-of-Network Flag	✓	✓	✓	✓
Prescription & Pharmacy Info	✓	✓	✓	✓
Dental Data	✓	✓	✓	✓
Payer-Specific Information		✓		✓
Provider-Specific Information			✓	✓

Standard Data Sets in Action

User	Example Use Cases
Researcher	A retrospective cohort study to measure the utilization and total cost of care for patients accessing cancer treatment, for 17 cancer types (Pan-tumor and by cancer type).
Researcher	Educate and train the next generation of data scientists and health care leaders in Colorado and across the nation on how to use claims data in their research projects.

Reports | Aggregated de-identified reports with analytics provided by CIVHC.

Custom Reports

Custom reports include customizable data elements and analytics. Our team will work with you to ensure that the data and analytics in your report meet the needs of your project and will not require additional analysis. Custom reports provide the opportunity for you to determine the format of the output such as data visualizations, filterable spreadsheets, and narrative documents with executive summaries highlighting key insights from the analysis.

Custom Reports in Action

User	Example Use Cases
Government Agency	Assess the impact of individual and household characteristics on the utilization of telehealth and in-person services.
Researcher	Investigate the incidence of cancer near a former nuclear weapons production facility compared to the rest of Colorado during the same time period.

Standard Reports

Reports on specific topics with narrow customization options that do not require you to perform any additional analysis.

Current standard reports include:

Outpatient and Inpatient Outmigration Analyses – These reports can help you understand health care needs in a community, including where and why patients travel for care.

Standard Reports in Action

User	Example Use Cases
Community-Focused Organization	Allow individual hospitals the opportunity to understand what services their local residents leave the area to receive.
Employer	Examine where local residents are getting health care and opportunities to design strategies to address costs with local businesses and providers.

Additional CIVHC Analytic Services | CIVHC provides many services using the CO APCD and other data sources, including evaluating initiatives, informing policy, and conducting research.

Program Evaluation

CIVHC's evaluation services are tailored to meet your specific needs, and we work with you to determine what output will best serve your project, constituents, or community. Our suite of services includes:

- Survey Design and Analysis
- Quantitative and/or Qualitative Data Collection and Analysis
- Capacity Building

A CIVHC representative can help you navigate our product and service offerings to find the right solution for you. Please contact us at ColoradAPCD@civhc.org or visit our website at www.civhc.org to learn more about how we can support your work.
