Data Release Review Committee (DRRC) CO APCD Data Requests Summary Meeting: May 3, 2023

**23.56 Healthcare Service needs**

## Project Purpose:

This project will provide a proof of concept for community health care needs and services evaluation. This evaluation will help identifying who provides what health care services and where they are provided. From a policy perspective, this analysis will provide local, state, and national policy levers to improve local access and mitigate poor access or mismatch between health care service needs and service delivery.

## Specific Aims:

* Identify and describe all health care services obtained by people from one community, defined by members’ residence zip code (e.g., 80759).
* Identify the breadth and volume of health care services, differentiating services delivered locally (near the members’ residence) versus services delivered elsewhere.
* Identify the clinicians providing care within member’s zip code and the percentage of all services (breadth and volume) delivered by various clinicians locally versus elsewhere.

For all medical services, primary care services, hospital and specialty services, this project will identify:

All claims for people with a given residence zip code by CPT and ICD10 codes, and for the zip code of residence the analysis will describe:

* Breadth of claims delivered, characterized by CPT and ICD 10 codes
* Frequency and volume of claims delivered
* Percentage of people residing in a given zip code who received all their care within the zip code and breadth of services
* Percentage of people residing in a given zip code who received health care services elsewhere
* Percentage of people residing in a given zip code who received health care services elsewhere that were also available within their zip code of residence
* Clinicians providing services (MD/DO, NP, PA, psychologists, social workers, others) within a zip code and their specialties (primary care, specialists, etc.)
  + For a given zip code, describe the breadth of services delivered by each provider type
  + For a given zip code, describe the volume of services delivered by each provider type

## Type of Data Requested:

Limited Data Set

**23.104.8 Econ One Phase 2**

## Project Purpose:

This project will examine hospitals pricing practices across Colorado for a spectrum of services to determine whether or not hospitals throughout the state have been utilizing market power to influence control over health care prices.

The primary analysis for this project will use multi-variable regression. The purpose of regression analysis is to measure the magnitude of the relationship between variables and determine the level of statistical certainty of those relationships. In this project, Econ One will design a model that examines the relationship between a dependent variable (price) and multiple independent variables (e.g., quality, location, utilization, other hospital and procedure characteristics). Including multiple independent variables in the model helps to isolate the impact of the particular variable of interest (market power) by controlling for other things that influence prices.

## Specific Aims:

1. Are there hospitals (and health systems) in Colorado which exhibit conditions of market power?
   * + If so, how do prices at hospitals with market power compare to prices at hospitals (and systems) without market power after controlling for supply and demand factors and hospital characteristics (including quality)?
2. Are there particular hospital healthcare services where pricing in Colorado is inflated after controlling for supply and demand factors and hospital characteristics (including quality)?
3. What is the extent of non-hospital competition in Colorado (e.g., ASCs)? Does it influence hospital pricing?

## Type of Data Requested:

Limited Data Set