

PRIMARY CARE OFFICE

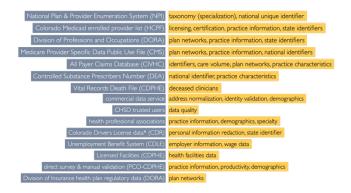
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STRATEGIC RESOURCE ALLOCATION IN BEHAVIORAL HEALTH

LEVERAGING BIG-DATA TO ADDRESS COLORADO'S BEHAVIORAL HEALTH CLINICIAN SHORTAGES

INFORMING DATA SOURCES

- High quality and reliable health systems data is required for multiple important state statutory functions...and it is also critical to informing policy and resource allocation decisions of government.
- Health professional practice data is currently only available in multiple uncoordinated sources, or through manual survey data collection and these sources are often incomplete, inaccurate and out of date.
- In order to meet the data needs of these initiatives and functions, a cooperative health professional data system needs to be created that provides a master provider directory.



STRUCTURED, STANDARDIZED

(NORMALIZED)

a data"mosaic" clarifying health systems analysis across multiple, large, complex data sets







"GOLD RECORD" CREATION

- Normalization of incoming data
- Matching of records based on an:
 - Evaluation of source quality
 - Evaluation of source trust
 - Evaluation of source age
 - Determination of corroboration among sources
- Iterative regeneration of "Gold Record" at the field level
- Shared data quality management across trusted users

DATA SOURCE INPUTS

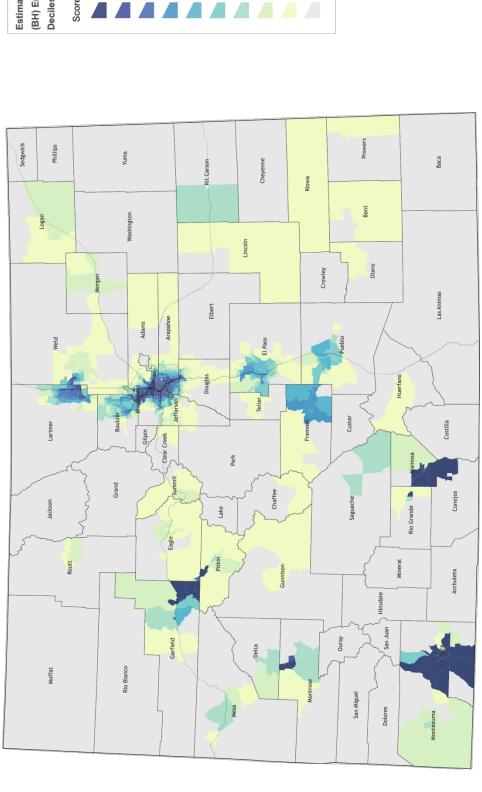


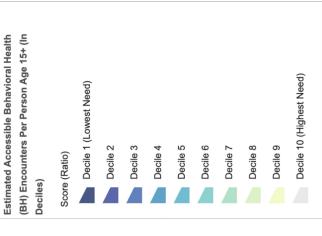
- six years of data inputs
- eighteen discrete data sources
- 26.5 million source rows of data

RENDERED DIRECTORY RECORDS

- 215,311 total licensed clinicians in Colorado
- 36,909 total health care delivery locations
 - 19,050 active physicians
- 4,415 active dentists
- 8,547 active advanced practice nurses

COMMUNITY LEVEL FOR BEHAVIORAL HEALTH ESTIMATING SUPPLY & DEMAND AT THE





ORIGIN-DESTINATION MODEL OF BEHAVIORAL HEALTH SERVICE AREAS, 2021 ALL-PAYER CLAIMS ANALYSIS

