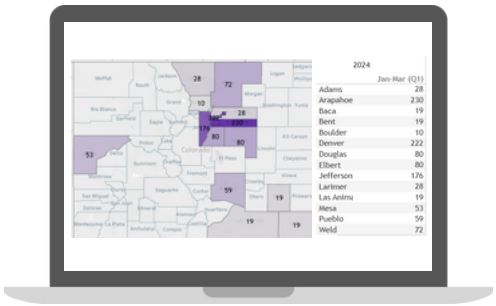
Colorado Behavioral Health Administration:

Unlocking Analytics, Care Coordination, and Automated Reporting with the Dimagi Data Analytics Solution

The Colorado Behavioral Health Administration (BHA) leads the charge to ensure everyone in Colorado can access high-quality mental health and substance use disorder care. The agency drives policy, funding, and accountability across a statewide network of behavioral health providers.

Data Management Challenges

When BHA was established in 2022, it inherited a patchwork of outdated data systems and cumbersome reporting processes that created administrative burden for providers and limited the state's ability to act on behavioral health data. Behavioral health data was stored across SQL databases, Access databases, and spreadsheets, making it difficult to maintain consistency and integrate information for analysis. Over time, multiple undocumented changes in data structures created barriers to tracking trends and coordinating care effectively.

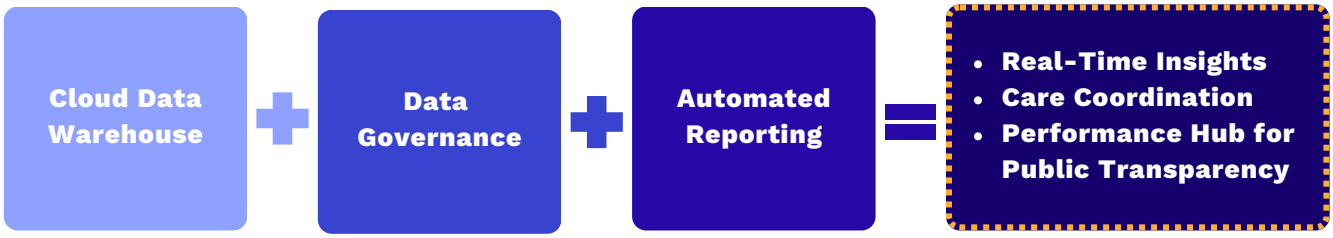


These infrastructure gaps created significant barriers to care coordination and placed a heavy burden on providers. Staff spent significant time manually gathering, cleaning, and formatting data to meet federal and state reporting requirements, particularly for SAMHSA Block Grants, pulling time and resources away from service delivery and evaluation.

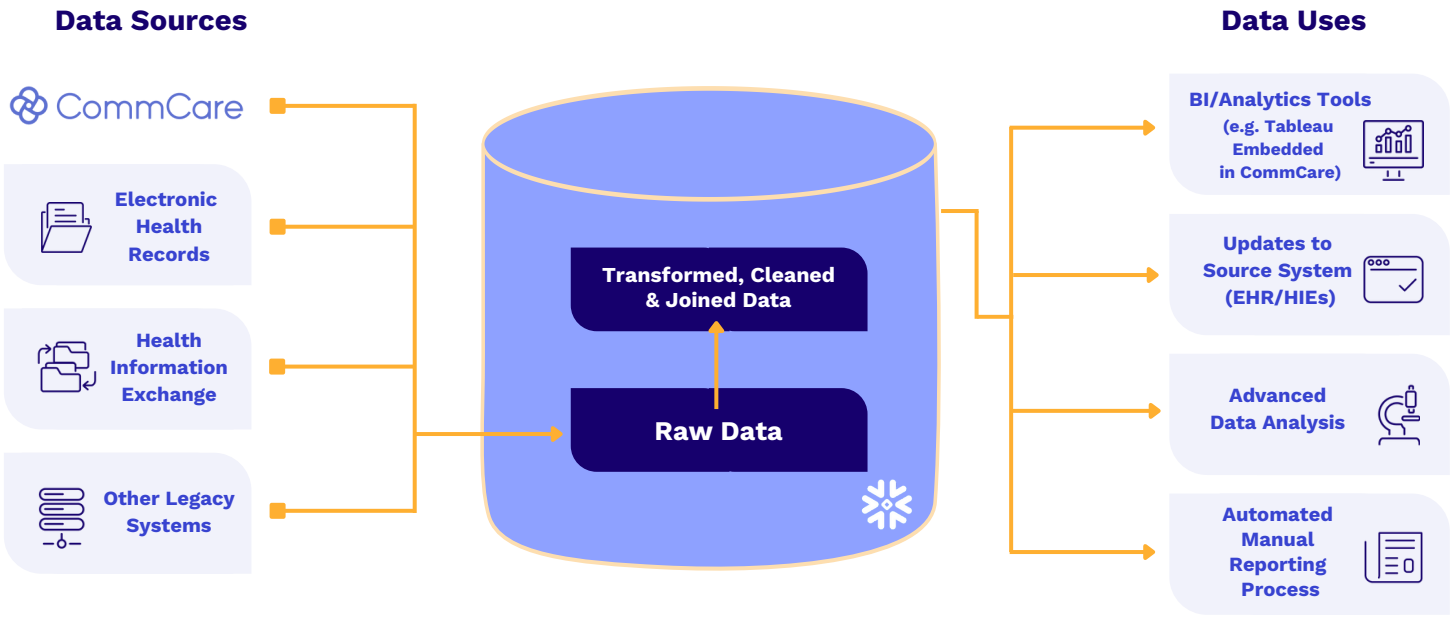
At the same time, legacy systems struggled to keep up. Performance issues were common; simple queries could take hours to run, and generating reports often required starting from scratch. Data remained siloed across programs, preventing leaders from seeing the full picture of behavioral health needs and outcomes across Colorado.

Implementing the Dimagi Data Analytics Solution

To address these challenges, BHA partnered with Dimagi to modernize its behavioral health data infrastructure. At the center of this work is the Dimagi Data Analytics Solution - a best-in-class suite of tools that enables integration across disparate data systems, automates reporting, and supports real-time data analysis and care coordination.

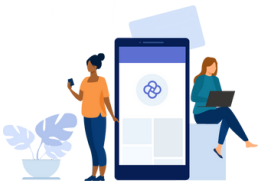


The Dimagi Data Analytics Solution combines a secure cloud data warehouse, robust data integration and governance tools, and automated reporting pipelines. Together, these components allow BHA to consolidate fragmented data sources, manage access to sensitive information, and deliver timely, accurate insights to support care coordination and public transparency.



In implementing this solution, Dimagi and the BHA overcame major infrastructure and reporting challenges, unlocking meaningful improvements in care coordination and data use.

Challenges & Solutions



Challenge: Disconnected data systems and outdated infrastructure.

Solution: Cloud Based Data Warehouse

As part of the Data Analytics Solution, Dimagi implemented Snowflake to centralize disparate datasets, enabling real-time data access and integration across multiple systems. This scalable infrastructure laid the groundwork for coordinated analytics, care delivery, and reporting.



Challenge: Limited ability to define and manage access to sensitive data

Solution: Enterprise-Grade Data Governance

With Dimagi's support, BHA adopted Informatica for data integration, cataloging, and governance. This enabled secure access controls, improved visibility into data lineage, and strengthened compliance with data privacy requirements.



Challenge: Manual, time-consuming reporting for federal and state agencies

Solution: Automated Reporting Pipelines

Dimagi developed automated workflows for SAMHSA Block Grant reporting (e.g., TEDS, SEOW), eliminating the need for repetitive data prep. These automations were estimated to save the equivalent of three full-time staff, allowing those resources to be reallocated to higher-value work like data quality improvement and provider support.



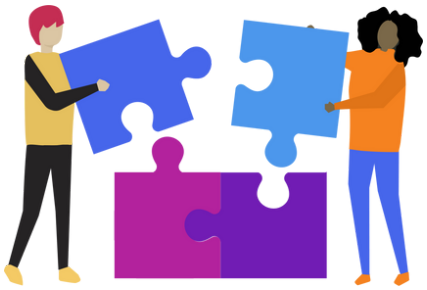
Challenge: Siloed program data limited performance monitoring and transparency

Solution: Centralized Datasets

Dimagi integrated dozens of datasets into a centralized Performance Hub, making behavioral health data accessible and actionable for internal teams, funders, and the public. The scalable model supports expansion as new programs and reporting needs emerge.

Highlights from Implementation

At the outset, BHA's internal team included an Enterprise Architect, a Behavioral Health Business Lead, and a Data Specialist, each with deep expertise but differing perspectives. Bridging those perspectives was key. Dimagi played a strategic role in aligning the group, facilitating cross-functional working sessions to define use cases and implementation priorities, and leading the technical work to consolidate datasets, automate reporting processes, and enable real-time analytics within the new system.





Momentum shifted when BHA brought on dedicated internal engineering support for the implementation. With Dimagi offering targeted technical input, the team advanced from planning to building, laying the groundwork for a more sustainable data ecosystem.

Together, these upgrades enabled BHA to reduce administrative burden, unlock more timely and trustworthy data, and build toward longer-term goals like improved care coordination and public transparency.

What's Next

With core infrastructure in place and early wins delivered, BHA has entered a new phase: steady-state operations paired with strategic expansion. The agency is actively integrating new data sources, such as encounter-level data and additional provider submissions, into the data warehouse to enable broader use cases and more detailed performance tracking.

Public reporting is also expanding. The Performance Hub, launched using the newly integrated data infrastructure, continues to grow as a resource for public transparency and cross-program evaluation. By providing a centralized view of behavioral health metrics, it supports more informed decision-making for policymakers, funders, and the public alike.

BHA's success has also sparked broader interest across state government. Building on the foundation that BHA and Dimagi created, the Colorado Office of Information Technology (OIT) is now scaling Snowflake and Informatica solutions across other state agencies, using the BHA model as a blueprint for scalable, interoperable data systems. These shared platforms support cross-agency collaboration and allow the state to pursue more unified, interoperable health data systems.

This next chapter is about deepening impact: supporting ongoing evaluation, enabling better care coordination, and equipping state leaders with the tools they need to drive continuous improvement in behavioral health services. As BHA continues to integrate new datasets and expand dashboard functionality, the focus remains on reducing administrative burden, increasing data accessibility, and ensuring that behavioral health programs are informed by timely, actionable insights.

About Dimagi

Dimagi is a global social enterprise that powers impactful frontline work through scalable digital solutions and services. We support a range of behavioral health and substance use treatment efforts through two powerful tools: **CommCare**, our low-code application platform, and the **Dimagi Data Analytics Solution**, a flexible suite of data management tools designed to reduce administrative burden, strengthen care coordination, and improve visibility into program outcomes across public health systems.