

EXPERT

EXPLORATORY

HOW-TO

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CASE-STUDY WHITEPAPER

TESTIMONIAL



# National Healthcare Client

## *Business Intelligence Case-Study*

**Data inefficiencies** at one of the nation's top 5 healthcare providers were hindering the organization's Business Intelligence (BI) capabilities. Dirty data from siloed sources such as medical records, staff schedules, and device outputs was growing at an overwhelming rate within their Enterprise Data Warehouse (EDW). The healthcare provider sought out The Methodical Group to help to optimize data collection, cleansing, and governance processes, and to help integrate all sources into a powerful insights-driven culture.



methodical healthcare  
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By developing an integrated strategy that improved data quality and accessibility across the organization, Methodical enabled the client to generate reports that provided business intelligence for timely decision-making at any level. The result: improved efficiency, enhanced patient satisfaction, and improved financial performance.

## **The Challenge**

The healthcare provider was running on an outdated, 20-year-old BI strategy with many moving parts and layers of complexity. Adding further stress to their system, by working on one-off projects that didn't fit the overall vision for the data environment, their data curation and BI overhead had become unwieldy.

## **The Solution**

The cumbersome and ineffective situation called for a holistic strategy focused on initiatives that furthered the providers progress toward a goal state. Our overhaul of the BI system required defining a new data strategy and building a framework and data curation pipeline to support it. We removed barriers to data access in the EDW across the entire organization to integrate data-driven action at every level.

### **Initial analysis**

Our team started by analyzing the current state of our client's data. We measured our insights against regulatory requirements and the findings from a series of surveys and interviews to help forecast what the provider's needs would be in the future.

### **Developing a data strategy**

We performed an analysis of the maturity and data experience, which became the basis for designing a formal data strategy grounded on four pillars:

- Data as an asset
- Data governance and quality
- Infrastructure and tools
- Data presentation

### **Implementing a cloud-powered data platform**

Methodical's team used the newly developed data governance framework to build a self-service data platform powered by a cloud-based storage solution. We installed dashboards on workstations in offices and hospital floors to improve data access and usage throughout the entire organization.

Implementing a data curation pipeline allowed our client to offload what was a very tedious data cleansing effort that had been pushed down to clinicians and transform it into a fully automated process that always ensured high-quality data.

## **The Results**

### **A data and insights-driven culture**

Our integrated data strategy powered the client's transition into a data-centric culture and continues to serve as the foundation for all activities under the client's data and analytics team.

### **Data ingestion automation**

The new framework opened the door to a fully automated process for consistent high-quality data, real-time insights, and data-driven decision-making across all levels.

### **improved data experiences**

With improved system-wide access to data through a new dashboard, reporting shifted to patient-centric reports that yield better outcomes at lower costs. Thanks to the data curation pipeline, leaders and clinicians are now confident they are basing critical decisions on clean, accurate data every time.

### **Scalable Business Intelligence capabilities**

Migration to cloud-based storage cut data enterprise costs in half and secured a scalable platform that can easily grow with the organization and support its future needs.



**Methodical Healthcare - *Our Experts Advising Your Experts.***



**For More Information:**

visit us: [www.methodicalGroup.com](http://www.methodicalGroup.com)

inquiries: [Solutions@methodicalGroup.com](mailto:Solutions@methodicalGroup.com)

**About Methodical Healthcare**

*Methodical Healthcare, a division of The Methodical Group, has serviced the healthcare industry for over 20 years. We provide a comprehensive, yet focused set of services—including data analytics, enterprise digitization, regulatory compliance assistance, and IT cybersecurity solutions—that allow our healthcare clients to keep pace with today’s rapidly evolving healthcare technology and patient care models.*