

## Case Study

# Brightening Multi-Location Analytics: How a Dental Organization Gained Clear Operational Insights

## Use Case: Microsoft Fabric Lake House Implementation



### Business Challenge

A private equity-backed dental organization was poised for aggressive expansion but lacked the data foundation to support their growth ambitions:

- Multiple locations generated fragmented data, making performance comparison nearly impossible
- Critical business information was scattered across diverse systems including EHR, HRIS, AP, and accounting platforms
- Data silos existed between on-premises and cloud environments
- Inconsistent reporting prevented executives from gaining clear visibility into operational efficiency and revenue performance
- Scaling challenges loomed as the company prepared to accelerate its growth trajectory



## Datavail's Solution

Datavail partnered with the dental organization to build a robust data foundation designed to scale alongside their business ambitions.

Our engagement began with a thorough assessment to identify the optimal enterprise data warehouse platform aligned with their specific requirements and growth plans. We implemented Microsoft Fabric Lakehouse as the enterprise data warehouse, creating a unified repository for all business data across locations.

We designed and implemented automated ETL/ELT processes, beginning with EHR data and creating a framework for seamless future system integration. This approach enabled standardized reporting across all locations and meaningful performance comparisons that had previously been impossible.

We set up a centralized, reliable data source as a single source of truth for the organization. Comprehensive documentation for every tool, process, and script was created in a centralized repository, ensuring sustainability and knowledge transfer. The entire solution was built with scalability in mind, designed to eventually roll out to the PE firm's other portfolio companies.



## Business Impacts

- **Enhanced multi-location visibility** through standardized reporting across all dental practices
- **Accelerated decision-making** with faster time-to-insights from automated data processing
- **Improved operational efficiency** by identifying performance variations between locations
- **Future-proofed data architecture** capable of integrating additional portfolio companies
- **Enhanced investment value** for the private equity owner through better portfolio company performance

