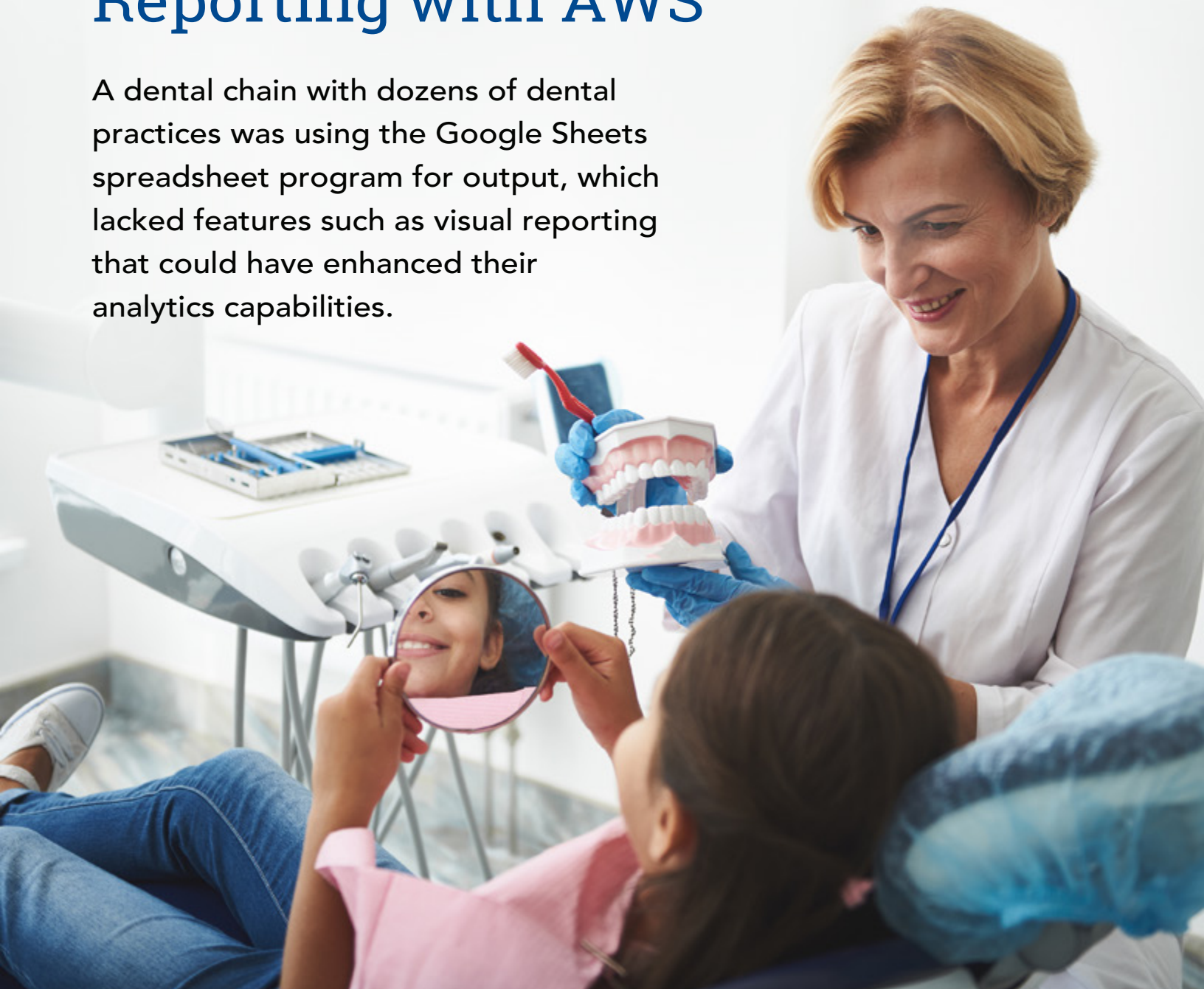


## Case Study

# Dental Chain Builds Integrated Analytics & Reporting with AWS

A dental chain with dozens of dental practices was using the Google Sheets spreadsheet program for output, which lacked features such as visual reporting that could have enhanced their analytics capabilities.



# Technology

- Google Sheets
- Paycom and RingCentral
- AWS
- MySQL

## The Challenge

The client was experiencing serious growing pains with its choice of analytics solution. The client was mainly using the Google Sheets spreadsheet program for output, which lacked features such as visual reporting that could have enhanced their analytics capabilities. In addition, the client was spending too much time on cleansing dirty data and lacked integrations with third-party data sources such as Paycom and RingCentral.

Perhaps most severely, there was no centralized data repository to collect information across the business, even though the company had more than 40 practices and growing. Not only was it a challenge to query and report inter-office data, users had no access to historical data or real-time dashboards that could have enhanced their planning and forecasting activities.

## The Solution

The client reached out to Datavail for assistance with an AWS cloud analytics migration to solve these challenges. Datavail used the AWS Database Migration Service (DMS) to lift the data from the client's 40+ separate locations into a MySQL database in the cloud. Datavail also wrote Python code to build cutting-edge analytic features such as real-time dashboards and ad hoc reporting.

## The Results

The client now has a comprehensive ELT process across all of its practices that loads data into an Amazon Redshift cloud data warehouse. They use the dashboards and ad hoc reporting capabilities on a daily basis to improve analytical insights and decisions.