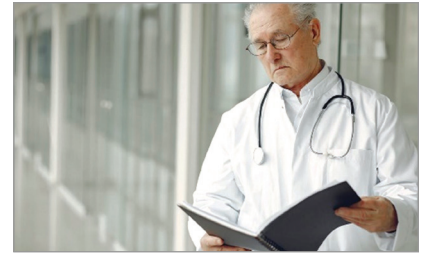


## Autonomous Healthcare Data Quality Validation Accelerates Data Onboarding and Prevents Costly Data Cleanups

### Customer: Healthcare

A Telemedicine and Healthcare company's data volume was rapidly growing due to increased demand for Telehealth services. They use AWS S3, Redshift, MySQL and other technologies. Their ability to process Member Eligibility Files was becoming the bottleneck. Eligibility files contain all data that determine how much the insurance pays the healthcare company for every Patient-Doctor interaction. Delayed file processing or dropped files is direct loss of revenue. They were unable to flag the data issues and file corruptions the eligibility files in a timely manner. The Data Quality validation process is manual work which was resulting in enormous delays and impacting revenue cycle.



### Challenges

- Lack of SMEs to define comprehensive and effective Data Quality Rules.
- Lack of Resources to code and update Data Quality Rules.
- There was no visibility into the eligibility data quality and process issues for timely root-cause analysis, audit, and action.

### Outcomes



DataBuck was deployed upstream and at ingestion to auto discover Data Quality rules.



Auto-discovered data quality rules were deployed in less than 15 days for 500+ data assets using just 2 resources. A process that would have taken over 100 person-weeks with the traditional approach was completed in 4 person-weeks.



Several unexpected data issues were detected within a week of deployment.



Early data error detection prevented costly cleanups and data reworks.



Dashboards gave good visibility to health of data sets streamlining business audit and approval.

### DataBuck – Benefits

People Productivity  
Boost >80%

Reduction in  
Unexpected  
Errors: 70%

Cost  
Reduction  
>50%

Time Reduction to  
Onboard data  
set ~90%

Increase in  
processing  
speed >10x

Cloud  
Native