

# Why DataOps Suite is a High ROI for Pharma/Healthcare Firms ?

## Healthcare domain data is particularly susceptible to data quality issues due to -

- Changing and Moving Data Definitions.



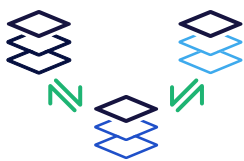
The business context and definitions of metrics, flags, and primary keys is everchanging in this space. Therefore, the test cases associated while development might not apply in operations.

- Constantly Updating Complex Business Rules and Aggregation Calculations.



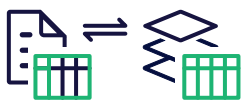
The business rules for segregation and aggregation are always updated to reflect the latest business strategy. This implies active transformation validation is a must to ensure interconnected rules remain valid.

- Extremely Inter-Related Datasets.



Datasets come from a variety of sources yet are linked through multiple parent-child relations within the same dataset. An issue in a single dataset might have a cascading effect on the quality of the entire model.

- Multiple Vendors with No Standardization of Datasets and Metrics Definitions.



How data is captured, stored, and transferred by vendors is very varied within this space. This results in the different sets of rules associated with different vendors, thus increasing the risk of data mismanagement.

- Multiple Callback Locations and Past Record Updating.



As the processing of medical datasets goes through multiple agencies, numerous records are called back to be corrected. This makes delta records consumption and validation cumbersome and highly error-prone.

- The shift towards AI Modelling begets more stable datasets.



The prominent increase in machine learning and AI in this field cannot be sustained without clean and accurate records as their bases.



## These data problems add up in several ways -



Anomalies in the Metrics used by the Data Science and Analytics Team.



Inaccuracies in Correlation of Metrics.



Incorrect Reporting.



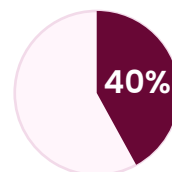
Incorrect Messaging and Reasoning.



Faulty training data or context for AI models.

## The potential costs of proceeding without a full-fledged Data Quality Tool such as Datagaps DataOps Suite -

- **Bad Data Impacts 26% of the Yearly Revenue.**
- Each Data Incident causes a downtime of about 40% of a Workday.



- More than 60% of Data Related Issues and Incidents take **more than 4 hours of the DevOps Team Time** to fix with an **average resolution taking up to 9 hours.** ⌚
- **Even a single inaccuracy found by the clients opens the entire system for a Data Quality Assurance Assessment.**
- Along with these costs can also be manifested as various impact costs such as – Rollback, Rework, Reduction, Attrition, and Blockading.

## The ROI of Datagaps

- The Datagaps Suite involved **minimal investment and easy integration** options so as to not disrupt any existing pipelines and workflows.
- The tool inherently helps your team track the quality of the datasets, and a large number of our clients have seen a good jump in their **data quality score with an average jump of 45%.**



- The tool has sharply reduced the time for deployment and validation of a plethora of production environments. With a strong base of a customizable test case and flow generation, automation and integration make the Suite the fastest tool to deploy and the easiest tool to integrate within this market.

- i. Multiple success stories of our talk about how **the product's test cases are created in a single environment and deployed seamlessly into 6+ non-identical environments.**



- **The tool has also helped teams to reduce the size of their Data Quality & Assurance Team by up to 75%.** Manual testing is expensive and cumbersome. The Suite has provided these teams with a toolset that is -



Easy to Create



Easy to Deploy



Easy to Monitor



Easy to Update



Easy to Manage

“ In my experience as a Data and Business Analyst in the Pharma-Consultancy domain, the data and its meaning are constantly evolving. The definitions and meanings of certain metrics related to claims change each quarter or six months, and that kickstarts a chain reaction causing changes in specific points in the entire pipeline. While updating these changes took its fair time, validating these changes and creating unit-test reports of the change orders is what most of our time was spent on. ”

\* The metrics here are picked up from Monte Carol's Case Study on Data Quality, Trillium Software's ROI on Data Quality Case Study, and the Case Studies that Datagaps conducts.

