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Case Study

Building a Future-Proof Clinical Data Infrastructure

How elluminate Transformed Data Operations for Jazz Pharmaceuticals

PROJECT BACKGROUND

Jazz Pharmaceuticals saw the need to evolve its clinical data infrastructure to support its future growth trajectory. To meet the data requirements of current and future studies they knew they needed to establish a new data culture.

This vision meant moving on from inefficient, resource-intensive legacy processes to a more intuitive, modern, flexible, and technology-driven approach to clinical data management and clinical analytics.

Jazz Pharmaceuticals

COMPANY PROFILE

- Global, Mid-sized BioPharma
- ~ $3.8 Billion+ in Revenue
- ~ 2,800+ Employees

PRODUCTS

- Mapper
- Clinical Analytics
- Data Central
- Risk-based Quality Management (RBQM)

THE CHALLENGE

In the context of their rapid growth, Jazz Pharmaceuticals developed a clear vision of what they required from a new clinical data and analytics platform that would serve as a central hub for all R&D functions who regularly interact with clinical data during a trial. At heart was the need for a robust clinical data strategy that would give them control of their data, oversight into trial and portfolio performance, and efficiencies gained through process improvements and task automation. To enable their future growth, the solution must stay resilient to changes in their operating model and establish a solid foundation for applications of advanced analytics.

To achieve this, they needed a solution that would deliver near real-time insights from the data, scalability to rapidly develop new data deliverables, and flexibility to innovate and accommodate yet-unknown future needs.

THE SOLUTION: A Single Platform Solution for All Studies – Today and in the Future

Jazz sought a technology partner that could address its current needs while providing a foundation that could be leveraged as the organization continued to grow over time. They chose to work with eClinical Solutions to deploy the elluminate Clinical Data Cloud® in 2020, specifically leveraging Mapper, Clinical Analytics, and Data Central for Clinical Data Management, Medical Monitoring, Clinical Operations, Coding, SDTM development, and more.

The elluminate platform aggregated multiple sources and systems into a centralized location. Having a single repository for all study data ensured cross-functional stakeholders were collaborating on the same set of data, in near real-time. Through the implementation of elluminate, Jazz was able to unlock greater efficiencies through automation and reuse of existing data assets.

The platform approach has enabled cross-functional process improvements resulting in significant resource efficiencies and cost savings since implementation, including scaling use into operational oversight reports and risk-based quality management application.

RESULTS

Since adopting elluminate in 2020, Jazz has used the platform for 30 studies. Over the past three years, they have seen numerous positive results, including:

- Improved internal resource utilization for data acquisition and standardization.
- Faster identification of potential data issues.
- Implementation of an RBQM solution in 2 months by expanding use of the existing platform.
- Earlier development of SDTMs and identification of issues that would impact submission programming.
- Saved on combined FTE employees by streamlining programming requests, creating consistent workflows, and by utilizing elluminate's data review capabilities.

Through its use of elluminate, Jazz now has the clinical data and analytics infrastructure it needs to meet the demands of its existing clinical research pipeline and a scalable foundation for more complex global clinical trials in the years ahead.

Today, they continue to find additional ways to expand its use of elluminate and maximize its value, supported by the ongoing collaboration with the eClinical Solutions Product Development team.