



Compliance & Efficiency with Process Mining in Life Sciences

37%

Faster clinical trial approvals

22%

Reduction in compliance costs

OVERVIEW

A global life sciences company specializing in pharmaceuticals and medical devices operates under strict regulatory compliance (FDA, EMA, ISO). It sought to improve efficiency, compliance, and visibility in clinical trials and quality control workflows.

Challenges

The company struggled with process inefficiencies in clinical trial management and regulatory compliance workflows:

- **Slow Approval Cycles:** Lengthy approval timelines delayed drug development and market entry.
- **High Operational Costs:** Redundant manual processes in quality control led to excessive expenses.
- **Regulatory Risks:** Compliance deviations in documentation and reporting increased legal exposure.

Despite investments in workflow automation, leadership lacked visibility into bottlenecks, non-compliance risks, and improvement opportunities.

Solution

By leveraging Apromore's process mining, the company gained end-to-end visibility, enabling data-driven improvements in workflow efficiency, compliance management, and approval timelines.

- **End-to-End Workflow Mapping:** Using Apromore's process mining, the company mapped every step of its clinical trial approval process, pinpointing exactly where delays occurred and identifying opportunities for optimization.
- **Streamlining Document Review and Compliance:** The platform helped uncover inefficiencies in document verification and regulatory adherence, allowing the company to automate manual reviews and reduce approval times.
- **Predictive Simulations for Process Optimization:** Apromore enabled leadership to test process changes virtually, modeling different scenarios to optimize workflows while ensuring compliance with FDA and EMA regulations.
- **Real-Time Compliance Monitoring and Risk Prevention:** Continuous monitoring detected non-compliant deviations in real-time, triggering immediate corrective actions to prevent regulatory breaches before they escalated.

Results

37%

Faster Clinical Trial Approvals

By eliminating unnecessary handoffs and streamlining workflows, the company significantly reduced approval timelines, bringing new treatments to market faster.

22%

Reduction in Compliance Costs

Automation of documentation reviews and quality control processes cut operational expenses, allowing for reinvestment into R&D and innovation.

Enhanced Audit Readiness and Regulatory Confidence

Improved compliance tracking reduced non-compliance risks and potential fines, ensuring smoother audits and regulatory inspections.

Proactive Monitoring for Continuous Compliance

With Apromore's real-time analytics, the company ensured every workflow aligned with regulatory requirements, maintaining high standards in both efficiency and compliance.

Conclusion

By leveraging Apromore's process mining capabilities, the company transformed its regulatory and clinical trial operations, achieving **faster approvals, cost savings, and improved compliance management**. With real-time insights and predictive simulations, leadership gained **full control over workflows**, ensuring efficiency while meeting the highest regulatory standards. This strategic shift accelerated time-to-market for innovative treatments, reinforcing the company's competitive edge in the life sciences industry.



About Apromore

The Apromore™ platform is an easy-to-use, fast-to-deploy AI-driven process mining solution that enables business and technology teams to quickly visualize and analyze their business processes, and simulate proposed changes prior to implementation in order to measure impact and risk.

The result of over a decade of extensive research and innovation from leading universities, the Apromore platform includes no-code features and a simple UI that continuously delivers new insights into operational performance and compliance.

For more information, visit <https://apromore.com/product>