

Integrating the Modern Biopharma Enterprise

How top pharma and biosciences organizations unify clinical, regulatory, and commercial data to accelerate patient access.



Why data is holding pharma and biosciences back

Pharmaceutical and life sciences companies are sitting on an extraordinary opportunity. McKinsey estimates that 75-85% of pharmaceutical workflows can be enhanced or automated by AI agents. This figure could compress timelines, reduce compliance risk, and fundamentally accelerate the path from discovery to patient.

The science is ready. The AI is ready. What's holding the industry back is the data.

Fragmented systems, compounding risk

Clinical trial data is fragmented across various incompatible systems (EDC, EHR, lab databases, CROs). Regulatory submissions require manual data aggregation. Commercial launch decisions are based on outdated information. Global pharma companies often manage 400 or more applications.

Without unified integration, this complexity causes maintenance debt, compliance exposure, and organizational delays. In an industry where a single month's delay can cost millions in deferred revenue, this is a board-level financial risk, not just an IT problem.

Why AI fails without integration

Fragmented data slows operations and makes AI unreliable. Conflicting clinical data (e.g., between EDC and EHR) prevents AI from learning reliable patterns. Batch pipelines introduce significant lag to drug safety models, making predictions outdated.

Ungoverned, point-to-point integrations create compounding compliance risk for every new AI deployment, especially where regulators require full audit trails.

What this looks like on the ground

The consequences of fragmented data are not just theoretical; they translate into tangible, daily roadblocks for key teams across the organization.

- A medical science liaison spends her first hour manually pulling together data from three disconnected systems before a hospital meeting
- A regulatory affairs team spends days harmonizing exports from lab, manufacturing, and quality platforms across multiple sites, with a tight submission deadline
- A data science team pauses weeks of modeling work after discovering that two source datasets cannot be joined without manual reconciliation

This is not an IT problem. It is a competitive and clinical disadvantage that touches every trial, every submission, and every patient waiting for a therapy.

Did you know? [Gartner found](#) that 63% of data leaders say their organizations either do not have, or are unsure if they have, the right data management practices to support AI.

The unified data fabric

In the pharmaceutical and life sciences industries, fragmented data is not just an operational headache. It is a competitive liability that compounds across every trial delay, regulatory lag, and missed commercial opportunity.

SnapLogic's agentic integration platform closes that gap. With over 1,000 ready-to-use connectors for cloud and on-premises systems, organizations can build data pipelines up to four times faster than with custom coding, automate workflows across clinical and manufacturing data, and provide AI and ML projects with the clean, reliable foundation they need. Self-service tools reduce IT backlogs and put integration directly in the hands of the teams that need it most.

The result is a connected enterprise where clinical, regulatory, and commercial data flows freely, and every team has the intelligence to move faster.

✓ Unified clinical and regulatory data pipelines

SnapLogic connects EDC systems, including Medidata and Veeva Vault, EHR feeds, lab systems, and regulatory submission platforms through a single auditable integration layer. Pre-built Snaps for clinical data standards reduce both build time and compliance risk simultaneously.

✓ Automated compliance and audit trail

Every data transformation is automatically logged, creating complete lineage for GxP compliance and regulatory audit readiness. From raw clinical data to final regulatory submission, every pipeline action is fully traceable.

✓ Real-time commercial intelligence

SnapLogic connects CRM platform including Veeva CRM and Salesforce, specialty pharmacy data, payer systems, and field force tools to give commercial teams live market intelligence, from prescriber patterns to formulary status.

For pharmaceutical organizations where time-to-market determines billions in revenue, the question is not whether to modernize integration. It is how quickly you can do it. SnapLogic makes that timeline shorter than you might expect.

SnapLogic platform capabilities

- ✓ AI-powered integration automation: agentic workflows that self-orchestrate across apps and data
- ✓ Pre-built Snaps for 1,000+ enterprise systems, including Epic, Cerner, Veeva Vault, Medidata, SAP
- ✓ Low-code/no-code designer for business and technical teams: 200% higher adoption vs. MuleSoft
- ✓ FHIR R4, HL7 v2.x/v3, and healthcare interoperability standards natively supported
- ✓ Real-time and batch processing at enterprise scale: handles 15,000+ production pipelines
- ✓ Multi-cloud support: AWS, Azure, GCP, plus hybrid and on-premise deployment

Measurable business outcomes with integration

The value of integration is only realized when it translates into outcomes that matter to the business. For pharmaceutical and life sciences organizations, that means faster trials, cleaner data, lower operational costs, and the ability to move quickly when it counts. Here is where SnapLogic delivers.

Faster clinical trials and regulatory compliance

Manual data reconciliation across CROs, internal systems, and regulatory agencies is one of the most persistent sources of delay in clinical development. SnapLogic eliminates that bottleneck by providing full audit-ready data lineage and regional compliance coverage across FDA and EMA requirements out of the box.

The result is a measurable reduction in clinical data errors, shorter trial timelines, and significantly lower regulatory risk.

Post-merger integration and enterprise app consolidation

Two of the most expensive integration challenges in pharma are post-acquisition system sprawl and the ongoing cost of maintaining complex point-to-point integrations. SnapLogic addresses both.

Post-merger timelines that typically stretch across years compress to months, duplicate platform costs drop in the first year, and enterprise-wide application environments become easier to govern, monitor, and extend without specialist developer dependency.

Interoperability and EHR integration

Connecting Epic, Cerner, and any API-accessible EHR system through native FHIR R4 and HL7 v2/v3 support, SnapLogic cuts patient data latency and reduces the cost and fragility of custom middleware. Organizations gain faster care coordination, fewer integration failures, and a more sustainable path to true interoperability across their clinical and commercial data ecosystem.

Supply chain and manufacturing visibility

By connecting MES, procurement, logistics, and ERP systems in a single integration layer, SnapLogic gives supply chain teams end-to-end visibility and the ability to respond to disruptions in real time. Stockout rates fall, fulfillment risk decreases, and on-time delivery performance improves, with a direct impact on the cost of goods.

Legacy platform migration and cloud modernization

Organizations migrating from Informatica, MuleSoft, Talend, or on-premise middleware have achieved up to 70% reductions in infrastructure cost and 60% faster integration development with SnapLogic. Critically, these gains do not require a large team of specialist developers, making modernization more accessible and less risky than a traditional rip-and-replace approach.

The common thread across all of these outcomes is the same: when data flows freely and reliably across an organization, every team makes better decisions faster. That is the foundation SnapLogic is built to provide.

Industry leaders transforming operations

Pharmaceutical and biosciences organizations are already achieving significant business value with SnapLogic, from drug discovery and clinical development to manufacturing and commercial operations. These examples illustrate the breadth and depth of SnapLogic's impact across the industry.

Global pharmaceutical company

Before partnering with SnapLogic, one of the world's largest pharmaceutical companies struggled with integration tool sprawl across its global operations. Too many disconnected tools were slowing teams down and putting critical drug release windows at risk, where even a single month's delay means millions in lost revenue.

By replacing Informatica and Talend with SnapLogic as a single unified platform, the company achieved sustained 20% annual growth.

Healthcare and medical device company

A healthcare and medical device company successfully addressed focus areas, including Cloud Migration, Oracle ERP, and replacing MuleSoft for integration.

This resulted in significant improvements, including:

- 60% reduction in integration development time compared to their previous solution
- 200% improvement in business user adoption
- 70% decrease in infrastructure costs

"We have all these systems with data that need to come together, and the demand is too high for us to scale manually. Researchers want data now. We're leveraging SnapLogic not just to build data integrations, but to empower self-service, so people can move quickly while we maintain the balance of staying heavily regulated."

– **Enterprise Data & Platform Leader, Global Pharmaceutical Company**

Partner spotlight

slalom

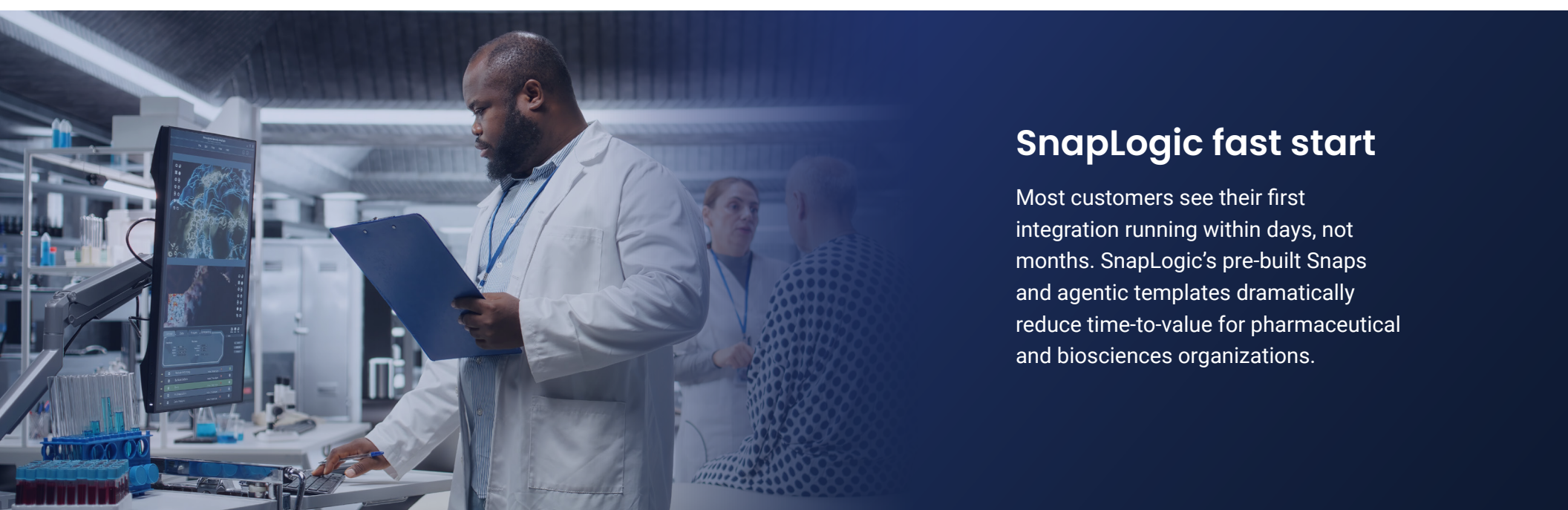
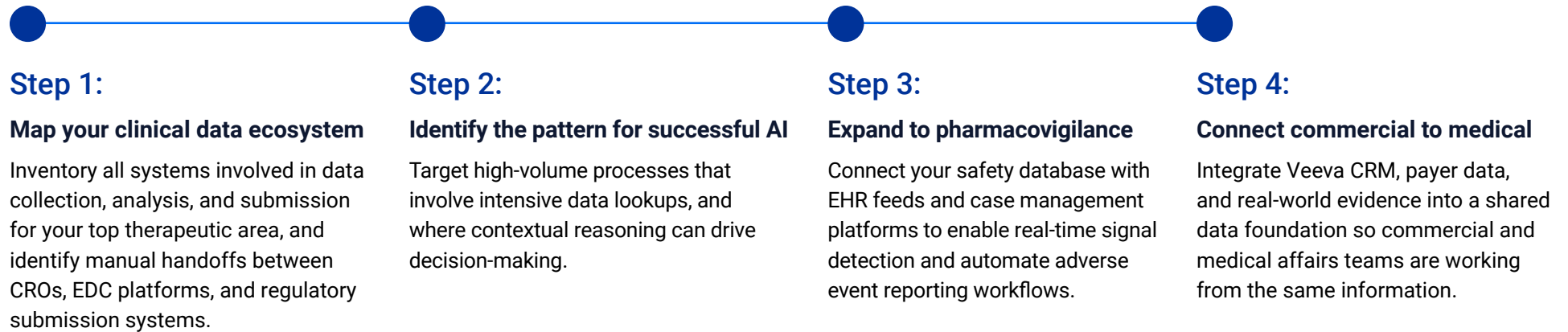
SnapLogic + Slalom

SnapLogic and Slalom combine best-in-class integration technology with deep life sciences consulting expertise to help pharmaceutical and biosciences organizations modernize more quickly. Pharmaceutical and biosciences companies need integration that meets strict compliance requirements without slowing innovation.

SnapLogic's unified platform connects clinical, laboratory, and operational systems with built-in governance, while Slalom brings deep life sciences expertise to ensure deployments are fast, compliant, and built to scale.

The playbook: how to get started

Most SnapLogic customers see their first integration running within days. Agentic templates and pre-built Snaps for clinical and commercial systems dramatically reduce time-to-value. The steps below reflect how leading pharmaceutical and biosciences organizations typically sequence their SnapLogic deployment, starting with the highest-friction data workflows and expanding from there across clinical, safety, and commercial operations.



SnapLogic fast start

Most customers see their first integration running within days, not months. SnapLogic's pre-built Snaps and agentic templates dramatically reduce time-to-value for pharmaceutical and biosciences organizations.

Next steps for your integration journey

The pharmaceutical and biosciences organizations that will lead in the next decade are making decisive investments in integration today.

With the right platform, connectors, and approach, your first automated pipeline can be running in days, and the business case for enterprise-wide expansion builds itself from there.

Ready to move beyond your integration debt? See how SnapLogic helps pharma and biosciences organizations integrate everything, from clinical trial data to commercial intelligence, faster than you thought possible.

[Book a demo today!](#)



SnapLogic is the Agentic Integration Company, integrating AI, data, applications, and microservices into one powerful platform that transforms how enterprises connect, automate, and scale. Unlike legacy integration tools, SnapLogic is built for the AI era and trusted by global leaders, including AstraZeneca, Adobe, Verizon, and Sony. With its industry-leading platform, SnapLogic empowers every team across the enterprise to securely build faster, smarter, AI-connected workflows – all through natural language and intuitive low-code design. Join the Agentic Integration movement at [snaplogic.com](https://www.snaplogic.com).