

Clinical supply chain planning with Anaplan



Ensure patient-ready supply and reduce waste across global clinical trials



Clinical supply chains operate under constant change. Demand is driven by trial design and patient enrollment, not markets, and plans frequently shift after commitments are made. As trial portfolios expand globally, organizations must manage low-volume, high-value, and time-sensitive supply under strict regulatory and labeling constraints.

Most clinical supply teams still rely on fragmented systems and spreadsheets to bridge gaps between trial timelines, patient demand, and supply readiness. The result is overproduction and expiry waste, manual reconciliation across systems, and limited visibility into financial impact, introducing risk to patient supply and increasing the likelihood of costly disruptions.

Integrate clinical demand, supply, and financial impact

With Anaplan, clinical supply chain planning brings clinical demand, supply planning, and financial visibility together in a unified environment. Built for trial-driven planning, it aligns enrollment assumptions, protocol design, inventory, and supply constraints to ensure patient-ready supply across global studies.

With a flexible, scenario-driven model, teams can evaluate enrollment variability, protocol amendments, and supply constraints in real time. Clinical operations, supply chain, and finance stay aligned on a single version of the truth, enabling faster decisions, reduced waste, and more confident execution.

Key benefits



Ensure uninterrupted patient supply across clinical trials by aligning enrollment, protocol, and supply plans



Reduce expiry waste and excess production through optimized clinical supply strategies



Respond to protocol changes and enrollment variability with real-time scenario modeling



Eliminate manual reconciliation across trial timelines, demand, and supply



Improve financial visibility by modeling cost, waste, and operational tradeoffs

Key features

Anaplan for clinical supply chain planning offers:



Clinical demand and enrollment planning

Model patient demand based on study design, enrollment rates, attrition, and dosage. Translate clinical assumptions into operational demand plans that reflect real trial dynamics.



Supply constraints and external network coordination

Model capacity, lead times, and external dependencies across internal teams and partners. Ensure supply readiness in a constrained and highly regulated environment.



Uncertainty-aware scenario modeling

Incorporate enrollment variability, dropout rates, and protocol changes into planning models. Run "what-if" scenarios to assess supply risk and evaluate mitigation strategies before disruptions occur.



Packaging, labeling, and distribution planning

Incorporate packaging schedules, labeling requirements, and regional regulations directly into supply plans to support compliant global trial execution.



End-to-end supply and inventory planning

Connect demand signals to supply plans across manufacturing, packaging, and distribution. Maintain real-time visibility into inventory position, supply availability, and constraints.



Integrated financial impact modeling

Link supply decisions to financial outcomes by modeling cost-to-serve, waste, and tradeoffs, enabling better alignment between clinical operations and finance.



Automated netting and overage optimization

Automate netting logic across trials, depots, and sites. Optimize overage strategies to balance patient availability with minimal waste.



Continuous re-planning without disruption

Adapt plans dynamically as trials evolve. Update assumptions and scenarios without rebuilding models or delaying decisions.

The Anaplan platform offers

- **Application framework:** Rapidly deployable best practices configurable to customer requirements, evolving business needs, and additional use cases through core platform capabilities.
- **Dashboards, reports, and analytics:** Visualize key supply chain data in real time through a single source of truth.
- **“What-if” scenario and multi-dimensional modeling:** Run ultra-fast calculations at scale using Anaplan’s high-performance calculation engine.
- **Collaborative and agile planning:** Plan across corporate and business units, and across functions like HR, finance, sales, marketing, and supply chain.
- **Best-in-class security and data privacy:** Includes role-based access control, SAML 2.0 SSO support, user management, and data encryption.
- **A highly extensible ecosystem:** Connect data and tools with APIs, ETL connectors, and native integrations across HR, finance, operations, data warehouses, and other systems of record.



About Anaplan

Anaplan is a leading AI-driven scenario planning and analysis platform designed to optimize decision-making in today’s complex business environment so that enterprises can outpace their competition and the market. By building connections and collaboration across organizational silos, our platform intelligently surfaces key insights — so businesses can make the right decisions, right now.

More than 2,600 global brands plan with Anaplan.

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