

INDUSTRY SOLUTION

Pharmaceutical Companies

Serving trusted data across all
clinical and business entities



Pharmaceutical Data Challenges

Pharmaceutical companies are under intense pressure to cut costs while delivering the latest drugs and therapies to the global market at unprecedented speeds. How can you find efficiencies without sacrificing quality, adhere to the changing regulatory environment and protect global health outcomes?

The answer lies in tapping the value of data. Semarchy is here to help. Semarchy, a leader in the data integration and master data management markets, enables organizations to rapidly generate business value from their data. Its unified platform enables organizations of any size, to quickly discover, govern, manage, integrate and report critical information scattered across applications.

80%

80% of our clients measure value in less than 10 weeks. [Click to learn more.](#)

Unified Data Platform for the Pharma Industry

Pharmaceutical companies have a unique set of information governance, management, data exchange protocols, and standards.

With the need for a high degree of data integrity to support standardization, regulations and the sharing of pharma information across disparate source systems like EHRs, Revenue Cycle, Manufacturers, Clinical Fulfillment Systems, ePrescribing and more, pharma leaders recognize that they must transform their data management systems to respond to rapid change and deliver tangible clinical and business benefits to their stakeholders.

In addition, many companies that manage multiple sites across various geographies can find it challenging to keep up with increasing data volume and complexity from a multitude of sources, and knowledge transfer can be difficult with security risks, increasing data volume and complexity.

At Semarchy, we have the answer. Our [unified data platform](#) brings together information across applications so that it can be managed, leveraged and integrated across the enterprise – without the burden and expense of managing multiple, siloed systems, giving you the ability to satisfy multiple stakeholders across all clinical and business entities.

The screenshot displays a software interface with a blue header bar containing the text "Pending Items > IMNOVID® 45MG BLR GRP RU 14CT BDY/BDY/CC C". Below the header, there is a table with columns for "GENERAL", "MARKET", "QUALITY", "WAREHOUSING", and "MANUFACTURING". The table contains several rows of data, including "GSCP Team", "Approved", "ColigeneGSCPApprover", and dates like "Dec 18, 2022". A pop-up window titled "Create HCO Workflow" is overlaid on the right side of the screen, showing a list of tasks with user avatars and names such as "Cindy Compli...", "Albert Rep", and dates like "Jun 2, 2022 2:17:54pm".

Here is how Semarchy can help

1. Increase Compliance and Risk Management with Data Governance

Strong data management principles are the foundation for IDMP, GDPR compliance and other regulatory obligations

With the strict IDMP standards developed within the [International Organization for Standardization \(ISO\) External Link Disclaimer](#) (ISO) 9001 certification, pharmaceutical manufacturers have to adhere to the unique identification of medicinal products in the context of pharmacovigilance and the safety of medications throughout the world, as well as to ensuring their compliance with the exchange of product information between global regulators, manufacturers, suppliers and distributors. With Semarchy you can:

- Adapt to changing regulations and requirements: With a centralized data hub, you can maintain compliance with new regulations and adapt quickly to changing requirements as they are published without impacting operational systems, including IDMP and GDPR compliance and governance requirements.
- Ensure quality and compliance: Prevent inaccuracies with a single source of identity data

for all systems, manage all compliance documentation and record keeping in a secure, single access database for all entities. Reduce costs and risks associated with industry and quality standards, codification and policy management with data validation and easily governed semantic consistency across the enterprise.

- Establish a central data hub for improved governance: Duplicate records contribute to quality, cost, and safety issues. Create complex record survivorship rules, approval workflows, federated data stewardship, and the ability to extend the enterprise search with a flexible, configurable data management system to “watch” for shared identifiers and alert data integrity breaches, including: - Regulated information on substances, dose forms, units of presentation, routes of administration and packing, regulated medicinal product information (MPID) and pharmaceutical product information (PhPID), and standard units of measurement.

2. Optimize costs

Integrate and access data from one single trusted hub to improve business outcomes, create operational efficiencies and reduce operational costs.

Say goodbye to partial solutions, work-arounds, and data silos. Use real-time and batch APIs to quickly integrate existing data in key systems across Manufacturing, Supply Chain, Research, Finance, Sales & Market Access into your unified data platform. With Semarchy you can:

- Integrate any data source: Reduce data redundancy by eliminating the IT, administrative and financial burden of managing multiple data sources and software systems.
- Improve business planning and agility: Improve capacity planning, forecasting and budgeting and reduce direct and indirect auditing costs by centralized management of all data.
- Achieve a holistic view of financial health: Prevent costly change management programs and embrace intelligent, informed growth and expansion with increased traceability and transparency for improved business continuity, forecasting and planning.

3. Data Governance & Interoperability:

Set clear goals for Data Governance, with built-in flexibility so you can gain and maintain control over your data:

Today, the demand to include new data domains and integrate data from outside sources is growing exponentially, driving the need for semantic interoperability. A data hub can curate, tag, cross reference, and integrate data across a sprawling enterprise. This has become more urgent as the sheer volume of data warehouses and data lakes continue to grow. And with more mergers and acquisitions on the horizon, rich interoperability helps clients to onboard new providers and integrate their data into a single combined record, while reducing costs and accelerating timelines. With Semarchy you can:

- Integrate any data source: Reduce data redundancy by eliminating the IT, administrative and financial burdens of sharing data internally and externally with a single, golden record for data usage, sharing and integration, including Data Exchange, Portals, EDI, Contracts, etc.
- Promote Intelligent Data Stewardship: Create intelligent task assignments to specialized data stewards based on task types, location, client, etc. and make recommendations on changes to matching parameters or business processes.
- Ensure Source System Data Quality Compliance: A Data Hub enables you to actively monitor the data quality of source systems over time and identify source system data quality issues that are decreasing the overall effectiveness of a data stewardship group.
- Enhance Systems Interoperability: Coordinate data across all member and external organizations. with the flexibility to provide enterprise-wide roles, permissions and processes for your team with well-defined and well-communicated semantics and entities and business application implementation.

4. Develop Robust Applications & Analytics:

Step up to real-time business intelligence

Understand operational efficiencies and opportunities to improve by putting data insights into everyone's toolkit. Role-based permissions offer secure access to the right users at the right time so everyone has more intelligence, making your organization agile, intuitive, and collaborative. With Semarchy you can:

- Adapt to your business model: With the unified data platform, each process and workflow can be standardized and optimized. Develop applications for any business vertical with customizable workflows and interfaces driven by your data.
- Automate Reporting: The reporting mechanism across systems used to be a manual process, but with data governance in place reporting is automated, eliminating manual rework of our reports.
- Enable Data Analytics: A Data Hub provides a foundation for any successful data analytics program by providing high-quality mastered data, rich relationships, and full semantic interoperability regardless of the source, bringing value to your customers through data integration and access and giving you the tools for intelligent and informed business decisions.

5. Enable rapid time to value with all business applications:

Deliver business value for your enterprise while solving specific business data opportunity with the capacity to then scale and/or expand.

Clients today don't have time to spend on massive data management projects while running large pharmaceutical companies. Reduce data integration and management redundancy with a high-performance, agile, and extensible data integration to quickly satisfy the needs of business stakeholders, establishing a foundation for further data projects. With Semarchy you can:

- Develop business applications faster: with a user-friendly business-centric interface delivers rapid creation and adoption of data rich applications. Automation vs pre-defined templates avoids the perpetual customization cycle.
- Turn business data into data-rich applications: with Semarchy, you can seamlessly translate business data requirements into data-rich applications with automated mapping to seamlessly transform business requirements to code that migrate, transform, and publish data. The ability to ingest, certify and publish data from any data source streamlines deployment.
- Respond with agility to ever-evolving business and / or technical requirements: efficiently and seamlessly with DevOps tools to provide continuous integration and deployment while optimizing team resources.
- Utilize a single technology for any and all types of data integration: including (big data, no SQL, API, IOT...) with real-time streaming or batch processing. Leverage a full portfolio of connectors with out-of-the-box templates to accelerate projects and an agnostic platform with extensible and open architecture to support on premise, cloud, hybrid, and multi-cloud environments.

Make you Switch to Semarchy Start with a Proof of Value

De-risk your implementation, experiment with a full working model, get started quickly.



**DATA QUALITY, COMPLETENESS
& RISK ASSESSMENT**



**BUSINESS OUTCOME VALIDATION
& DATA GOVERNANCE PLANNING**



**ROI DESIGN, CALCULATION
& JUSTIFICATION**



**PROJECT ITERATION PLAN, ROADMAP
& MILESTONES**



Semarchy, a leader in the data integration and master data management markets, delivering data freedom and empowering organizations to rapidly generate business value from their data. It's unified data platform enables organizations of any size, to quickly discover, govern, manage, integrate and visualize critical information scattered across applications. Semarchy is available as an on-premises platform, is natively available on most popular cloud marketplaces, such as Microsoft Azure, Amazon Web Services (AWS), and Google Cloud Platform (GCP), and managed as a service.

Semarchy is based in Phoenix, USA with offices in London, UK, Paris & Lyon, France, and Mexico City, Mexico.

Free your data.

Start fast. Scale infinitely.
Practically secure & govern.

Semarchy

www.semarchy.com