Semarchy

INDUSTRY SOLUTION

Healthcare Data Management

Better Data In, Better Health Out

Healthcare
Data Challenges

Healthcare has a unique set of information governance, management, data exchange protocols, and standards. With the need for a high degree of data integrity to support the sharing of clinical, patient, medical and pharma information across disparate source systems like EHRs, Revenue Cycle, Registration, Clinical Fulfilment Systems, e-Prescribing and more, healthcare 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.

Many healthcare organizations:
- manage multiple sites across various geographies,
- find it challenging to keep up with increasing data volume and complexity from a multitude of sources,
- experience difficult knowledge transfer with high security risks.

How can you find efficiencies without harming patient experiences — and while protecting health outcomes? The answer lies in tapping the value of data.

Semarchy is here to help.

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80%

Manage & Govern
Healthcare Data

Semarchy: The Unified Data Platform

Leveraging next-generation data management and integration software to transform healthcare organizations.

Semarchy, a leader in the data integration and master data management markets, delivers data freedom enabling organizations to rapidly generate value from their data. Its agile platform enables organizations of any size to quickly integrate critical information scattered across applications with a single platform to discover, govern, manage and visualize data.

We've helped companies like yours turn intractable data blockers into unparalleled data insights. Solve your top clinical and business challenges and capture ROI at breathtaking speed.

When healthcare organizations do this well — when the data can truly be trusted — they see significant boosts to patient and caregiver confidence, overall satisfaction, and more patient participation in their care.

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Top 5 Healthcare
Clinical and Business Drivers

1. Improve Care & Engagement

Protect confidentiality while utilizing data insights to optimize healthcare resources and outcomes.

Many healthcare organizations have implemented loyalty-building engagement initiatives to enhance and improve the client experience. In private healthcare, consumers have more choices than ever for their healthcare, especially in densely populated areas. Public healthcare struggles with increasing demands for digital services transformation. All healthcare organizations need to prove that they truly know their clients to meet expectations and retain them.

Semarchy helps you:

- **Enable end-to-end empowerment:** Give every provider, specialist, and staff member the insight they need to support every step of the patient journey. With the unified data platform, everyone spends less time searching on their computers and more time providing great care.

- **Know your patients:** Build relationships with patients that enable you to hone in on their needs, take health history into account, and speed proper diagnoses with a single source of trusted data.

- **Create continuity of care:** Ensure that providers are all on the same page as clinical recommendations are carried out over time and across specialties.

- **Encourage care compliance:** Streamline touchpoints with patients to help them follow doctor's orders, make good choices, and know when to seek help.

- **Maintain patient connections:** Make seamless referrals and prevent leakage to competing providers as patients need new or specialty care.

- **Support customer preferences and privacy:** Self-service portals, online appointment scheduling or bill payment, smartphone alerts and reminders, virtual consultations via video chat, and patient self-monitoring are all part of enhanced client engagement. Achieving this requires a single trusted view of all client data that supports consumer preferences and enforces individual privacy and consent directives.

2. Increase Compliance and Risk Management

Drive consistency in your data to reduce errors, optimize costs and increase safety. Receiving updated patient data from source systems is a good thing, but demographic updates that are incorrect can cause potential overlays and clinical emergencies. In addition, the unauthorized sharing of clinical data can cause HIPAA violations, and different individuals sharing important identifiers such as social security, provincial health, driver's license numbers or insurance ids can indicate potentially fraudulent activity or an error in how patient data was captured in the patient's chart.

With Semarchy, you can:

- **Adapt to changing regulations and requirements:** With a unified data platform, you can maintain compliance with new regulations and adapt quickly to changing requirements as they are published without impacting operational systems, including HIPAA and GDPR compliance and governance requirements. As organizations like the ONC drive organizations to broader data sharing through the CURES Act, a trusted data platform is critical to define and manage compliance with complex governance requirements such as consent, freedom of information requests, data retention policies, and audits.

- **Ensure quality and compliance:** Prevent inaccuracies with a single source of identity data for all patient records, 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.

- **Increase security:** 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, HIM and patient safety staff in real-time.

- **Enable care experiences with data:** When you know what patients are going through, you can provide just-in-time care to support better health. The unified data platform is designed for the utmost security and compliance, so you can improve patient experiences safely.

3. Optimize Costs

Integrate and access data from one single trusted hub to improve businessoutcomes, 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 clinical, financial and EMR applications and business processes 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 and clinical 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.

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 care and business model:** With the unified data platform, each process and workflow can be standardized and optimized. Healthcare administrators can investigate care quality and manage population health or measure fee for service performance with ease. 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 unified data platform 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.

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5. Ensure 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 (e.g., Providers, Organizations, and Locations) and integrate data from outside sources (other health systems, public health data, or reference data) is growing exponentially. Enterprise EHR vendors promised a "single view of patient," but challenges remain particularly when it comes to external sources of data and interoperability initiatives. This drives the need for semantic interoperability.

Semarchy can curate, tag, cross reference, and integrate data across a sprawling enterprise. This has become more urgent as the sheer volume of EHRs, 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 patient's data into a single combined clinical record, while reducing costs and accelerating timelines.

Semarchy enables:
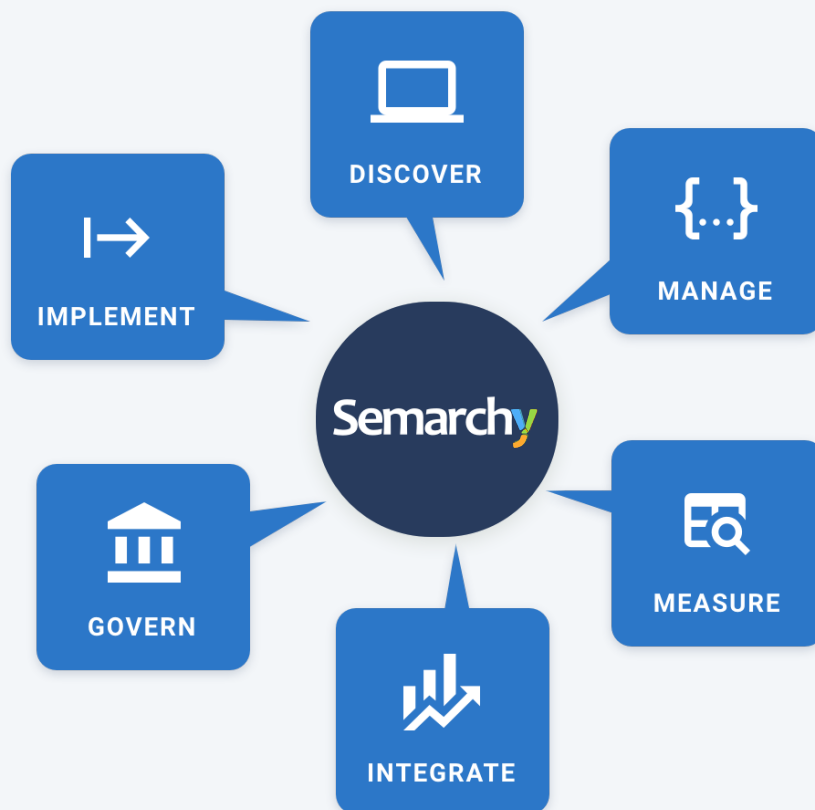
- **Data Enrichment:** Integrate with external reference data sources to bringadditional data or standardized data back into the hub to increase match rate efficiency. Agile development of single, trusted view of patient data to streamline intakes, quality reporting, admissions, billing and other clinical or revenue-driven initiatives.

- **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.

- **Source System Data Quality Compliance:** A unified data platform 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.

- **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.

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Make your Switch to Semarchy

Get powerful data integration and data management with Semarchy xDI and xDM. Choose the unified data platform today, capture ROI by next quarter. Request a demo, start a free trial, or get a proof of value consult to get started.

4 reasons why Healthcare Organizations select Semarchy

1. Single Platform: Handle data management initiatives holistically, from inception to iteration.

2. Comprehensive Model: Design and deploy data models, mappings, and applications in a single place.

3. Zero Code: Serve teams faster with no-code configuration of queries, workflows, and more.

4. Extensible and Open: Extend capabilities with standard APIs to leverage any data technology or service.

Justify ROI
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

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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.

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www.semarchy.com