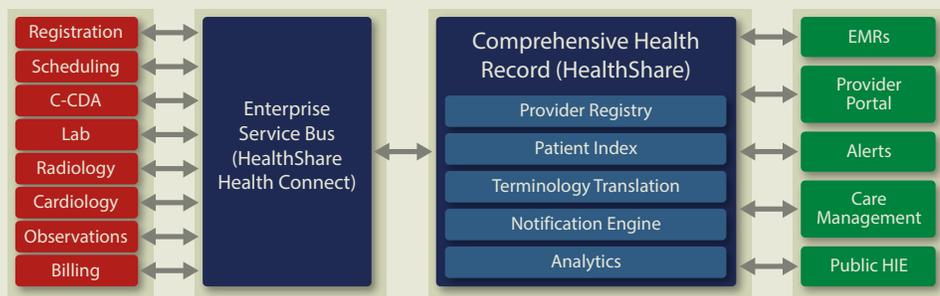




Northwell Health

One of the Nation's Largest Health Systems Brings in J2 for Strategic Interoperability Initiative

As the healthcare industry moves away from the traditional fee-for-service model, few organizations have embraced the shift to patient-centered accountable care as boldly as Northwell Health, one of the largest integrated healthcare systems in the country. Northwell called upon J2 to support its design and implementation of an enterprise-wide interoperability architecture that not only integrates the delivery of care across its entire community, but also lays the groundwork for dramatic efficiency gains in how that care is provided. Northwell's solution utilizes InterSystems HealthShare to integrate dozens of disparate data sources, put clinical data in the hands of providers across a wide range of care settings and devices, and provide the necessary analytics framework to support risk-based care models and population health management.



Northwell Health's interoperability solution leverages the full suite of InterSystems technologies to enable accountable care across the entire Northwell network.

In just over six months, a joint team of J2 and Northwell staff completed the first phase of **one of the most expansive HealthShare implementations in the United States:**

- Two connected HealthShare deployments for interoperability and health information exchange, including robust high availability and disaster recovery
- A patient record that incorporates and aggregates clinical and other data from across the enterprise
- Deployment and tuning of HealthShare Patient Index, including initial load of millions of unique patients
- An event notification framework to enable smart delivery of critical provider alerts, such as patient readmissions within 30 days of discharge
- A robust HealthShare Health Insight analytics implementation, optimized for rapid load and query
- A consolidated auditing capability to monitor access both within HealthShare and from third-party applications
- J2-developed utilities for enterprise system monitoring, message archiving, and source code control



"The transition to accountable care requires rapid innovation on a massive scale. Thanks in part to J2, Northwell Health has the technology foundation to make that transition possible."

—John Bosco
Chief Information Officer

"J2's work is helping create the tools that enable our providers to coordinate care and improve the patient experience for millions of New Yorkers."

—Michael Oppenheim, MD
Chief Medical Information Officer

At a Glance: Northwell Health

- Service area of 8 million people in Long Island, Manhattan, Queens, Staten Island, and Westchester County
- 21 hospitals, 4 skilled nursing facilities, and more than 450 ambulatory and physician practices
- Over 6,600 hospital and long-term care beds
- More than 61,000 employees, including 2,750 employed physicians and 15,000 nurses (not including affiliate organizations)



From the beginning, Northwell's HealthShare implementation has been a highly collaborative effort between Northwell and J2 resources. Northwell and J2 have shared project management, architectural design, and technical implementation responsibility across multiple disciplines including systems engineering, interface development, application development, and quality assurance. Northwell's use of the Scaled Agile development methodology has allowed us to achieve rapid results with a large team: over 60 resources, including up to 30 from J2, implementing new interoperability workflows while planning and executing a large-scale interface engine migration.



J2 continues to work with Northwell Health to design and implement hundreds of additional HealthShare integrations, including ongoing migration of legacy interfaces, bi-directional exchange of C-CDA documents, and new notification use cases to identify leading indicators of adverse events and close potential gaps in care. Northwell is also leveraging HealthShare's API layer to integrate enterprise clinical data with its innovative care management platform. On top of this interoperability foundation, J2 is helping Northwell Health leverage HealthShare Health Insight to track quality measures, fulfill risk contracts, and support bundled payments from CMS.

At both a strategic and a tactical level, J2's contributions are helping Northwell Health to create a highly scalable care management platform that integrates the entire enterprise and enables the strategic shift to risk-based revenue models. Along the way, we're providing hands-on mentoring to build Northwell's internal expertise on InterSystems technology. By partnering with J2, Northwell Health is realizing a return on its investment in HealthShare not only in the form of organizational efficiency and reduced costs, but most importantly in the improvement of individual patient outcomes and overall population health.

"J2's expertise with InterSystems technology has been critical to helping Northwell Health establish integrated care management and real-time operational analytics across all venues of care."

—Vish Anantraman, MD
Chief Information Architect

"We needed a partner who could help us achieve ambitious goals at an extremely aggressive pace—and make sure we got things right the first time. We definitely made the right choice in J2."

—James Heiman
HIE Program Director



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J2 is the recognized leader in customized solutions on the InterSystems platform. Give us a call to find out why.

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