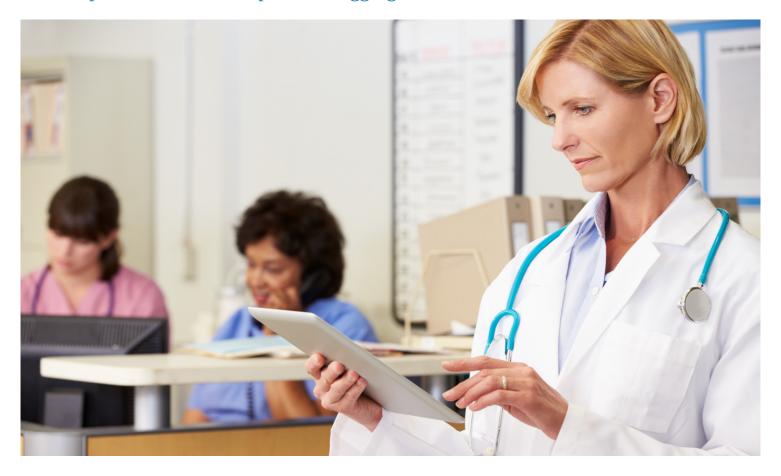# Patient Information Exchange (PIE)
for interoperability

The simple solution for complex data aggregation environments

The data interoperability challenges

Saint Mary's Hospital decided to replace their Paragon Laboratory System(LIS) with Sunquest Laboratory System. But the move to Sunquest Laboratory System had to be delayed due to the limitations of McKesson's Paragon v12.0.980 which Saint Mary's was using, as it could only display lab results from a single system. The issue could not be resolved and the implementation got delayed by 18 months which resulted in continued operational inefficiency and clinician dissatisfaction.

The client wanted an easy-to-implement solution to store and integrate older laboratory data from Paragon LIS, enabling them to move to Sunquest and optimize operations. They also wanted to make certain the data would be made available to clinicians in an easily accessible and secure manner.

Saint Mary's HOSPITAL

Exceptional care. Every patient. Every day.

Atos

PIE: Simple cost-effective interoperability solution

The client wished to proceed with the most recent version of Sunquest. To provide the ability to access lab results from two systems, Atos offered the PIE application to support single point access for both historical and current lab results.

PIE is our innovative single source solution for storing, aggregating and accessing patient data from multiple systems. It empowers healthcare providers to transform patient care by providing timely data for care interventions and for a proactive approach to patient care. PIE was implemented as a view-only application in a phased approach to meet urgent business requirements and prevent any further delays for Sunquest implementation.

The benefits of implementing PIE

PIE provided a cost-efficient, effective solution to the multiple business challenges Saint Mary's faced, enabling the hospital to:

• Integrate new live feeds from Paragon patient management and Sunquest, as well as archived data from Paragon labs
• Display the consolidated results in a seamless manner
• Trend all patient results in one place
• Achieve integration with single-sign on
• Increase user satisfaction

The PIE implementation and go-live went very smoothly without any critical issues and was completed within 45 days. PIE is now the go-to application to view laboratory results and trending for patients in a single user-friendly source. It solved the interoperability issues by integrating and presenting data from live feeds from both Paragon patient management and Sunquest systems, as well as back-loaded data that existed in Paragon Labs. This enabled Saint Mary's to analyze patient results and track their health status over time, supporting the delivery of quality care and better patient outcomes.

Within ten days of implementation, 553 unique users accessed PIE 3,507 times. These unique users included 137 physicians and 254 nurses among others.

Why Saint Mary's chose Atos?

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. We offered Saint Mary's a single, simple view for decision making and managing millions of logins, patient profiles, encounters, lab results and other critical data. Since its launch, PIE has extracted and organized clinical and financial data from a variety of sources such as GE, Cerner, 3M, Lawson, McKesson, QuadraMed, and Oracle.

About Saint Mary's Hospital

Saint Mary's Hospital is a not-for-profit, short term acute care, community teaching hospital that has been serving patients in Waterbury, CT and the surrounding communities since 1909. Licensed for 347 beds, Saint Mary's is designated as a Level II Trauma Center, offers award-winning cardiac and stroke care and houses the region's only pediatric emergency care unit. As the leading provider of surgical services in Greater Waterbury, Saint Mary's was the first to introduce the daVinci® Robotic Surgery System. The health system's satellites and affiliates extend from Waterbury to Wolcott, Naugatuck, Southbury, Prospect and Watertown.

> "The implementation of the PIE and Sunquest applications here at St Mary's Hospital went smoothly. The job was well carried out and support provided by Anthelio was excellent."
>
> **Bernard D'Souza, MD**
> Chief Medical Information
> Officer and Hospitalist

For more information: **info.na@atos.net**