

# Sun Business to Business Enabled EMPI Solution for Healthcare

Comprehensive Integration for Securely Managed and Automated Communication



## Highlights

Sun's market-leading, B2B-enabled EMPI Solution for Healthcare is an integrated single-product solution. It helps automate partner management, transaction visibility, and full-cycle transaction auditing in both enterprise and extranet environments by:

- Providing EMPI services to external partners, providers and others
- Acting as a regional hub for EMPI data sources, linking large amounts of data across huge regional health care networks
- Delivering data interoperability across disparate applications
- Managing external partner organizations as e-business trading partners
- Protecting your internal network from unauthorized traffic, allowing only authenticated partners to communicate with your enterprise
- Providing Single Entity View/ Single Best Patient Record View

## Overview

The Sun B2B-enabled Electronic Master Patient Index (EMPI) solution gives Regional Health Information Organizations (RHIOs), Integrated Healthcare Delivery Networks (IDNs), and other health care organizations sharing patient data across organizations, an enterprise-class infrastructure. This infrastructure serves as the regional hub for master patient data indexes, and does it with high reliability and availability.

## The IT challenge

As healthcare becomes a vital marketplace, the need to present data to external partners, customers, or governmental agencies continues to grow. Exposing data and services to share data to the outside world requires B2B integration software to manage the communication, security, and business processes.

In addition, various legislative regulations such Health Insurance Portability and Accountability Act (HIPAA), EU-IAS, Basel II, the European Data Privacy Act, CA 1836 and others are putting the onus of security and business processes enforcement back on organizations, holding senior management liable and posing real penalties for noncompliance with these regulations. Now more than ever, it is critical to have the ability to report on users' historical access and activities, as well as provide auditable evidence of the controls that are in place.

One answer is to simplify business processes. By implementing real-time e-business messaging for various processes, health care providers are able to get more relevant data — in real time, exactly where it is needed — to reduce total cost of ownership, and ensure B2B interactions are consistently applied across the entire heterogeneous environment.

Unfortunately, many traditional B2B solutions do not comprehensively address the entire transaction and partner life cycle, which includes implementation of delivery, business, and security protocols, in addition to the traditional provisioning functions of partner self-service, change auditing, and delegated administration. Few traditional B2B vendors can deliver all of these functions in an integrated single-product solution.

Sun provides the only enterprise software suite combining market-leading identity management with comprehensive B2B integration to securely manage and automate system-to-system communication among health care organizations and providers.

## Real-world benefits for health care

As health care organizations grow by acquisition or merger, and as RHIOs begin to form across regional areas, organizations will have the ability to consolidate, cleanse, and share patient record data with partner organizations. Sharing patient data allows greater efficiency for medical billing and clinical record document sharing processes — if organizations can link patient data records across the enterprise, then consolidate billing processes and create an environment where doctors and care providers have more complete information about patients, instantly.

For large health care organizations planning B2B integration projects, Sun provides the only B2B-enabled EMPI solution suite with integrated identity management that offers:

- Scalability powerful enough to handle large complex partner networks
- Flexibility that spans from legacy applications to composite applications
- Money-saving efficiencies — a development team is not required to manage individual partner integrations
- Security that enhances partner transactions

Unique B2B integration features include:

- Enterprise-class B2B integration gateway
- Standards-based message transport management
- Standards-based security management
- Business process choreography management

Electronic Master Patient Index features include:

- Single Patient View applications
- Global, Web-based, cross-indexing application for record matching across disparate source systems
  - Health Level 7 (HL-7) — patient object definition to create unique patient identifiers and B2B transactions based on ebXML, AS2, and other B2B delivery protocols
- Configurable matching algorithm that uniquely identifies patient records and flags potential duplicate records
- HIMSS/IHE compliant messaging and actors for Patient Identity Cross Reference (PIX) and Patient Demographics Query (PDQ) standards

### Composite application Sun SeeBeyond eIndex™ Single Patient Identifier provides a tailored EMPI

Further enhancing this solution is the Sun SeeBeyond eIndex. The Sun SeeBeyond eIndex Single Patient Identifier is an EMPI composite application, built upon the Sun Java™ Composite Application Platform Suite (Java CAPS), creates a cross-reference of patient information that is kept current by rules to identify, match, and update data from multiple source applications. The Web-based components of Sun SeeBeyond eIndex Single Patient Identifier are highly configurable, allowing health care organizations to create a custom patient indexing application suited to their specific needs.

As the nation focuses on improving all processes for the health care industry by linking physicians and systems, Sun can provide the middleware and infrastructure to deliver those improvements. Sun is creating a host of software products designed to provide easier data sharing across the entire health care spectrum, for both payment processes and electronic health record processes.

### About Sun

A singular vision, The Network is the Computer™, drives Sun in delivering industry-leading technologies that focus on the whole system — where computers, software, storage, and services combine. With a proven history of sharing, building communities, and innovation, Sun solutions create opportunities, both social and economic, around the world. You can learn more about Sun at sun.com.

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