

Sun™ Continuity of Care Record

Built on the Sun Java™ Composite Application Platform Suite



Highlights

Sun™ Continuity of Care Record can help provide:

- Enterprise-wide, single view of critical clinical data
- Improved patient care, safety while reducing manual processes
- New processes to meet evolving business requirements
- Seamless presentation of clinical and administrative information
- Secure patient information, access tracking

Technical Benefits

- Browser-based clinical application
- Leverages existing technology, systems, data stores
- Reuse services, components, interfaces
- Secure virtual private network connectivity
- Application workflow engineered for clinical users
- Customizable for user personalization, content definition

Overview

Health care payers and providers seeking to improve patient care and safety while creating process efficiencies at the point of care, will benefit from the Sun™ Continuity of Care Record (CCR), a composite application built upon the award-winning Sun Java™ Composite Application Platform Suite (CAPS). The Sun CCR can provide better clinician access to required medical data, resulting in fewer medical errors and more timely patient care.

What the Sun™ CCR means to patients

For patients, aggregated and centralized medical data results in coordinated care across the continuum. This in turn can mean fewer duplicate tests and procedures, erroneous diagnoses, and delays in care delivery. Paper files and x-rays are lost less frequently, chart pulls and subsequent administrative fees are minimized, while adverse drug and allergy interactions are avoided.

The Sun CCR provides summary details on patients' demographic and insurance information, data, and appropriate security, following federal mandates. The economics of the Sun CCR can enable better productivity — because clinician and staff time can be optimized, system resources and processes can be streamlined, and communication can be maximized through better technology. Further, the Sun CCR composite application is standards-based, helping provide the flexibility and scalability to deliver care across regional or extended networks. This unique composite application emphasizes clinical best practices with unified viewing of clinical information from a myriad of systems to reduce medical errors.

The challenges

Health care organizations continue to struggle with the business requirements and technical architecture necessary to implement common, enterprise-wide clinical portals. Data sources are disparate, and the complexity of system integration often cuts into an already lean information technology budget. Because of the nature of their work, clinicians demand intelligent application interfaces that help facilitate and even anticipate dynamic clinical thinking, problem solving, and decision support, immediately and at the point of care. Health care payers and providers must also grapple with the complexities of data security, user profiles, and privileges, while accounting for an increasingly educated and results-oriented community of patients. With a minimum margin for error not only in patient care but also fiscally, legally, and ethically, health care organizations continue to seek to build competitive advantage and market share. The Sun CCR enables health care customers to address these challenges, while extending the value and life cycle of their foundation and legacy systems.

The solution

The Sun CCR can help provide clinicians with a single interface for patient information, effectively consolidating data from a host of existing systems. Clinicians access the system via a browser and single sign-on, and are directed to a personalized home page where they are free to select the desired workflow. If specific patient information or a summary of encounter data is needed, the application provides a robust search utility powered by an enterprise master patient index (EMPI) engine. Scheduled activities, clinical documents such as radiology images, lab results, electrocardiogram (EKG) reports, discharge summaries, and more are available for reviewing and printing via a simple point and click.

Technology overview

Built on the Sun Java CAPS development framework, the Sun CCR is designed for quick deployment by connecting existing systems.

- The Sun SeeBeyond eGate™ integration engine brokers messaging between existing systems and Electronic Health Records (EHR).
- The Sun SeeBeyond eView™ master patient index isolates the correct patient data for delivery to the user.
- The Sun SeeBeyond ePortal™ displays the formatted data into information available via browser.

A customizable solution

The Sun CCR can be customized to help meet your health care organization's unique technology standards, business needs, and departmental requests. Development enablers include:

- Object-oriented hardware and operating system-independent technology, including Java technology.
- Near Zero Coding™ programming architectures and tool sets that integrate and orchestrate automatically for rapid transformation.
- Security and access controlled by the privacy rights owner.
- Administrators can add, change, and modify users, while defining default content availability for each user.
- Users can select content options to create individual views.

Benefits to your health care organization

The Sun CCR return on investment (ROI) can be evaluated by a number of measurements, including but not limited to the following:

- Patient safety focus — through improved clinical workflows, available decision criteria, and enhanced data management.
- Speed — the Sun CCR can be quickly operational because existing systems are not replaced but instead reused.
- IT continuity in clinical processes — the easy-to-use interface is designed for the clinical user and requires minimal training.
- Cost savings — by extending the life of existing systems.
- Clinical user satisfaction — providing research information, e-mail, calendars, and other relevant data for clinician convenience.

Learn More

Get the inside story on the trends and technologies shaping the future of computing by signing up for the Sun Inner Circle program. You'll receive a monthly newsletter packed with information, plus access to a wealth of resources. Register today at sun.com/joinic.

Summary

The Sun Continuity of Care Record is a clinical health information composite application that can link physicians, pharmacists, hospitals, and other authorized health care professionals across facilities, regions, and even nations. It enables health care providers to see and update health information such as patient treatments, diagnosis, prescriptions, and lab tests. The Sun CCR composite application allows health care practitioners to access critical information directly through familiar clinical systems, including electronic medical records in doctors' offices, insurance eligibility and authorization systems, and clinical systems within hospitals. This solution helps clinicians to quickly, accurately, and efficiently document clinical patient encounters resulting in reduced costs, improved patient care, and reduced liability.