



# Unified Patient Record

for 360° Patient Care

oacis

 **TELUS**<sup>®</sup>  
health solutions

## Data Consolidation For Improved Patient Care

**Developing cost-effective electronic patient record solutions that protect and harmonize current IT investments has eluded the industry for years.**

There's a quiet transformation underway in healthcare. For years facilities have made significant investments in information technology to help streamline clinical processes and improve patient care. Unfortunately many of these investments have led to the creation of a multitude of disparate systems, holding vital patient information, that simply do not talk to one another.

Now healthcare organizations are faced with the challenge of finding ways to cost effectively amalgamate, store and utilize the information found within these systems into one unified electronic patient record – without sacrificing current IT investments.

More and more, these organizations are turning to the OaCis | Unified Patient Record solution from TELUS Health Solutions.

## Enabling Meaningful, Intuitive Clinical Information

**Transform your clinicians' performance with a 360° view of their patient. They'll quietly thank you for it.**

The Unified Patient Record is unique to our ground-breaking OaCis product. It is one of the few electronic patient record solutions that can completely unify records throughout and between healthcare departments and facilities, without the costly and high-risk proposition of replacing existing IT infrastructure.

The OaCis electronic patient record solution consolidates vast amounts of data into meaningful, intuitive clinical information. Using a built-in connectivity engine, patient data from disparate systems is seamlessly gathered, transported and integrated into a centralized, secure and patient-focused Clinical Data Repository (CDR).

OaCis' hallmark open architecture and interoperable platform, combined with user-friendly configuration tools, enables healthcare organizations to personalize the Clinical Viewer application to meet their care providers' unique requirements. Through these flexible views, providers have access to a patient's complete and accurate history, enabling them to make life-critical decisions with confidence.



## Open Architecture

Consolidating patient data beyond boundaries:

- Disparate EMRs across facilities
- Inpatient & outpatient records
- IDNs with numerous distinct systems

## Case-In-Point

### An Open, Scalable Platform

TELUS Health Solutions' Open Architecture Clinical Information System (OACiS) is designed for easy connectivity and full interoperability. This ensures that information from systems throughout the healthcare enterprise, as well as across affiliated and non-affiliated provider sites, can be harvested and consolidated without having to make significant changes to your technology environment. This is accomplished through our innovative **Interoperable Technology Platform**.

### Clinical Data Repository

#### Foundation for an electronic, longitudinal patient record

At TELUS Health Solutions, we recognized early on that systems for healthcare must be designed and built for the exclusive use of care delivery organizations. Our world class clinical data repository is built upon a pre-defined, configurable, medical data schema that presents a patient's total record in user-friendly fashion. OACiS CDR uses a highly flexible database that automatically aggregates, organizes, and stores patient data collected from multiple sources and systems, within and across episodes of care.

### Built-In Connectivity

With silos of information, disparate systems, and a plethora of technology running today's healthcare organizations, it's no wonder communication can be an issue. OACiS' built-in **integration gateway** resolves this problem by connecting any and all systems to the CDR and automatically populates it by accepting, formatting, storing, and forwarding data. The gateway includes a comprehensive library of pre-configured interface templates to get your interoperability projects off the ground – fast.

**Today, oacis helps thousands of clinicians maximize their quality of care at over 100 sites in North America and Australia.**

#### Medical University of South Carolina – MUSC

"I've actively used oacis since 1993, and depend on it heavily to deliver quality care to my patients," says Larry Afrin, MD, MUSC Associate Professor of Medicine Hematology/Oncology. "From a technology perspective, we realized 15 years ago when looking for our first enterprise-wide, longitudinal record system that open architecture, scalability, and local configurability were key ingredients for long term success."

**Lawrence Afrin MD,  
Associate Professor of  
Medicine, MUSC**

# Unified Information Foster Safer Care

---

## Unparalleled Expandability

Healthcare facilities can range in size from small local clinics to mammoth campuses comprised of teaching hospitals, specialized surgical services, outpatient clinics and more. Integrating and consolidating information from these large and highly diverse healthcare environments requires robust technology and infinite expandability. The OACIS CDR's built-in scalability tools, high-availability options and load balancing mechanisms virtually eliminate the need for archiving, enabling complete and instant data access for the entire clinical team.

## Facilitates Point-Of-Care Decision Support

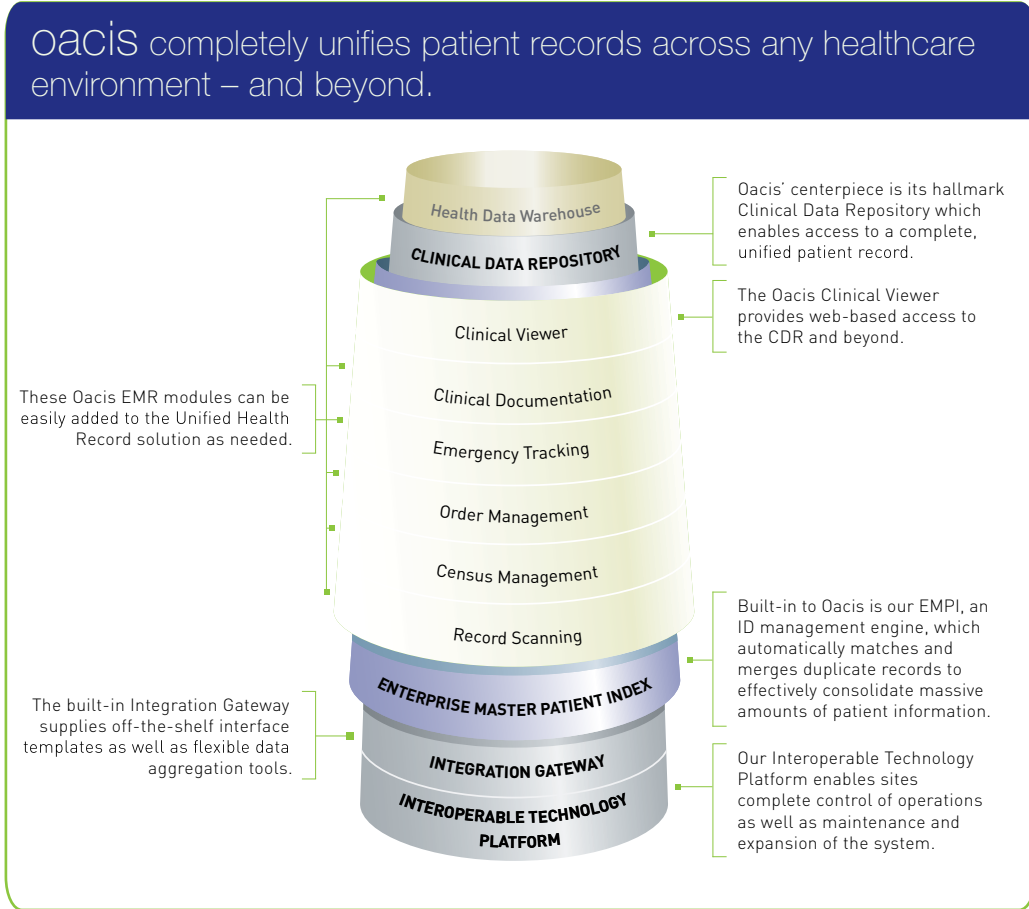
Having detailed and comprehensive information at your fingertips can have a dramatic impact on the way care is delivered. The OACIS CDR can store data at many levels of granularity, enabling detailed comparison and trending of clinical information at the point-of-care. Through flawless integration of data from any source into a single timeline, the CDR gives clinicians the ability to make informed decisions quickly and in the best interest of their patients.



## Enterprise Master Patient Index (EMPI)

Effective Patient Care In Today's Healthcare environment can be complex. For any given clinical event there may be several physicians, multiple nurses, and various other care providers involved in a patient's treatment and ongoing care. It's also possible that a patient being treated at one facility actually started at another – with records created at both. With so many people and systems involved, it isn't surprising that patient record duplication may occur.

To effectively deal with the challenge of duplicate records, the OAcis EMPI links disparate records together, regardless of the source system used by the health organization. OAcis EMPI utilizes sophisticated matching algorithms (rules) and other configurable criteria to systematically identify potential duplicate patient records. Suspect records may be automatically linked through a common identifier or presented for human review and then clinical detail is effectively merged within the OAcis CDR. The EMPI ensures there is only one cross-enterprise view of clinical care for each patient.



**Proven Speed To Value**  
**University of Texas**  
**Southwestern Medical**  
**Center**

“oacis is the ‘grid’ that interconnects our entire electronic patient record infrastructure. Speed to value has always been an attractive attribute of oacis.”

**Kirk Kirksey,**  
**UT Southwestern**  
**Vice President**  
**for Information Resources**

## Streamlines Clinical Efficiency

If humans are multidimensional, why would clinicians rely on a one-dimensional view of their patients’ medical record?

Recently, care providers have begun relying on portal technology to access patient information. Unfortunately, many portals just don’t go far enough in terms of effectively consolidating vast amounts of data into intelligent clinical information. They also don’t have the capability to manipulate and present data in a way that is personalized and effective for the end user.

**Ideal for effective clinical decision support, the oacis viewer streamlines workflow, providing a single, intuitive source accessing and analyzing a patient's situation.**

The OACIS Clinical Viewer is designed specifically with clinicians in mind. It combines the easy-access traits of a web portal with the deep clinical functionality found in a sophisticated EMR module. Instead of the flat, single-pane view common in most portals, the Clinical Viewer gives care providers their choice of an almost infinite number of ways to view and personalize their own experience. Upon sign-in to the viewer, clinicians instantly see visual cues that guide them towards the most appropriate and expedient decisions. The viewer is supported by a relational database (CDR) and offers extensive drill-down capabilities as well as user-defined, on-the-fly trending. OACIS presents a rich, multidimensional view of the longitudinal patient record, making it ideal for effective clinical decision-making.

## Enables Clinical Expansion

Just as important as unifying patient records across disparate locations and systems is the ability to expand OACIS functionality to encompass other aspects of the EMR. Order Management, CPOE, Clinical Documentation, and ED Tracking are a few examples of how healthcare organizations can fully utilize the power of OACIS for a more comprehensive solution.



## Fosters Continuity of Care – Inside And Out

It goes without saying that every patient entering the hospital can expect to receive the highest quality care available from their healthcare team. But what happens after the patient is discharged or transferred to another provider or site? Obviously there needs to be a mechanism for ensuring the same level of care for patients returning to the community.

We have the solution. Utilizing the OACiS Discharge Summary (optional add-on module), physicians can rapidly assemble a portable care compendium when patients transfer to another provider or site. All pertinent data, such as demographics, allergies, problems and treatments, are instantly carried forward and summarized. The physician has the option to add final notes and then the discharge summary can be printed for the patient, faxed to the next care provider, e-mailed via PDF, or even electronically transmitted to the receiving EMR system.

## The First Java™ Web-Enabled Patient Record Solution

TELUS Health Solutions has pioneered the HL7 standards movement on many fronts, particularly through our open architecture platforms. And we're innovating again with the OACiS I Unified Patient Record – the first fully web-enabled electronic patient record solution. While some products depend on client software that is difficult and costly to maintain, or other technologies that don't scale well – especially across broad and dynamic healthcare environments – Java™ provides enhanced flexibility and low cost, rapid deployment.

Now it's time to make yours.



**By providing a 360° view of the longitudinal patient record, the oacis I Unified Patient Record is quickly revolutionizing the way clinicians make decisions at the point-of-care.**



## Information for life

TELUS is a registered trademark of TELUS Corporation and is used under license. All other trademarks are the property of their respective owners.

TELUS Health Solutions is a leading provider of Information and Communication Technology (ICT) for the health industry. We develop, implement and manage healthcare applications, ICT processes and industry consulting services that optimize the efficiency of caregivers, drive better decisions, and foster prevention in the health system.

[telushealth.com](http://telushealth.com)

oacis

**TELUS**  
health solutions