



Computerized Provider Order Entry

Safer service administration through CPOE

Transforming the Clinical Process:

- Coordinates tasks
- Improves clinicians' workflow
- Fosters collaboration

Orders drive care coordination

OaCIS CPOE solution is specifically designed for the rapid entry of clinician orders to accelerate diagnosis, facilitate decision-making, and improve patient care.

Reduced duplicate orders
Immediate clinical decision support
Automated worklists
Improved care planning

Orders drive everything within a healthcare facility. Tests, sample collection, vital signs, IVs, treatment plans, and more all happen as a result of an order being given and a clinician workflow being generated.

OaCIS CPOE automatically generates flexible, easy-to-use worklists for each member of the healthcare team that can be tailored to meet the specific needs of each provider.

CPOE is a powerful tool for improving patient safety by providing clinicians with alerts prior to the activation of an order. These alerts advise clinicians about potential duplicate orders, drug interactions and treatment conflicts. It recommends additional site-approved “complimentary” orders, known in OaCIS as “companion orders. These features reduce errors and support delivery of high quality, cost-effective care.

Electronic ordering generates multiple, immediate, concurrent requests for diagnostic ancillary services. This enables more rapid specimen collection and more timely completion of lab tests, imaging procedures and drug interventions, which accelerate patient diagnosis, initiation of targeted treatment plans, and can decrease length of stay.



Open architecture enables oacis to gather and aggregate data from multiple, disparate systems

OACIS' integration strategy supports true interoperability of data and systems. This gives physicians easy access to comprehensive patient information derived from a variety of sources and clinical events. OACIS provides robust, user defined patient lists and simple search capabilities that offer physicians immediate access to the patient record and current encounter – the first step in any order entry process. And the system adapts to each doctor's individual practice pattern and clinical perspective, based on specialty and personal preferences.

Location	Patient Name	MRN	Age	Sex	Admitting/Attending	LAB	MICRO	RAD	TRAN	ORDER	DCS
Cardiac Clinic	KIEZER, JAN	008417339-9	45 yr	F	Watson, John	6 d	8 d	5 d			
Cardiac Clinic	HARRINGTON, DAVID	009409442-1	49 yr	M	Hunt, Debra	5 d	5 d	5 d			
Cardiac Clinic	CLEARY, PATRICK	EDC29005-0	61 yr	F						4 mo	
ED Exam 1	HEART, LINDA	PAT12134423-3	59 yr	F	SMITH, JOHN	6 mo	6 mo	7 mo		6 mo	5 d
ED Exam 2	ANDERS, ELLIOT Q	009102001-5	84 yr	M	Caudle, James	5 mo	5 mo	5 mo	8 d	5 d	5 mo
ED Exam 3	HEART, MICHAEL	PAT22134423-3	59 yr	M	SMITH, JOHN	2 w	2 w	2 w		2 w	2 w
ED Trauma 4	BROWN, CLAUDE	PAT62134423-3	42 yr	M	SMITH, JOHN	5 d	5 d	9 d		5 d	9 d
Ortho Clinic	SMITH, JOANNE A	009129785-4	69 yr	F	Caudle, James	5 d	5 d	6 d			
Ortho Clinic	DILLON, DEAN P	008391460-4	22 yr	M	Smith, Donald	5 mo	5 mo	5 mo	5 d	UC	
Ortho Clinic	DANIELS, BRIAN L	005098793-6	57 yr	M	Caudle, James	5 d					
S12 1213A	ERHARDT, LEIGH	009109000-9	86 yr	F	Caudle, James	5 d	5 d	6 d	8 d		
S12 1215B	NORSTRAND, IMOGENE F	008418445-3	48 yr	F	Ransom, Laurence	4 mo	5 d	5 d			
S12 1218A	JUROENSON, MARGARET L	008440157-6	90 yr	F	Caudle, James	5 d	5 d	9 d			
S12 1221A	UBALDI, ANTHONY L	008440114-9	35 yr	M	Johnson, Harry	5 d	2 w	13 d	2 mo		
S12 1224A	BERO, BRUCE	008440151-9	22 yr	M	Smith, Donald	5 d			2 w		
Tele 01	ZYLAND, OLLI EGAN	PAT72134423-3	59 yr	M	SMITH, JOHN			5 d		5 d	5 d
Tele 02	SECAN, MICHELLE	PAT82134423-3	58 yr	F	SMITH, JOHN			12 d		5 d	12 d

oacis' Patient List with "smart summarization"

Excellent Useability

With OACiS, all orders are visible in a single window organized into three tri-fold panes including workspace, catalog, and order list. This design avoids the overlaying of windows that can create usability problems. The system facilitates quick entry of simple and complex orders including sliding scale and tapering dose medication orders, and order sets. Each order entry pane has a special design and purpose. The Catalogue Pane provides a searchable list or catalog of available patient services organized around those most frequently ordered by the provider. Drill-down folders and lists of services are easily accessible via a drag and drop method, context menus, and toolbar icons.

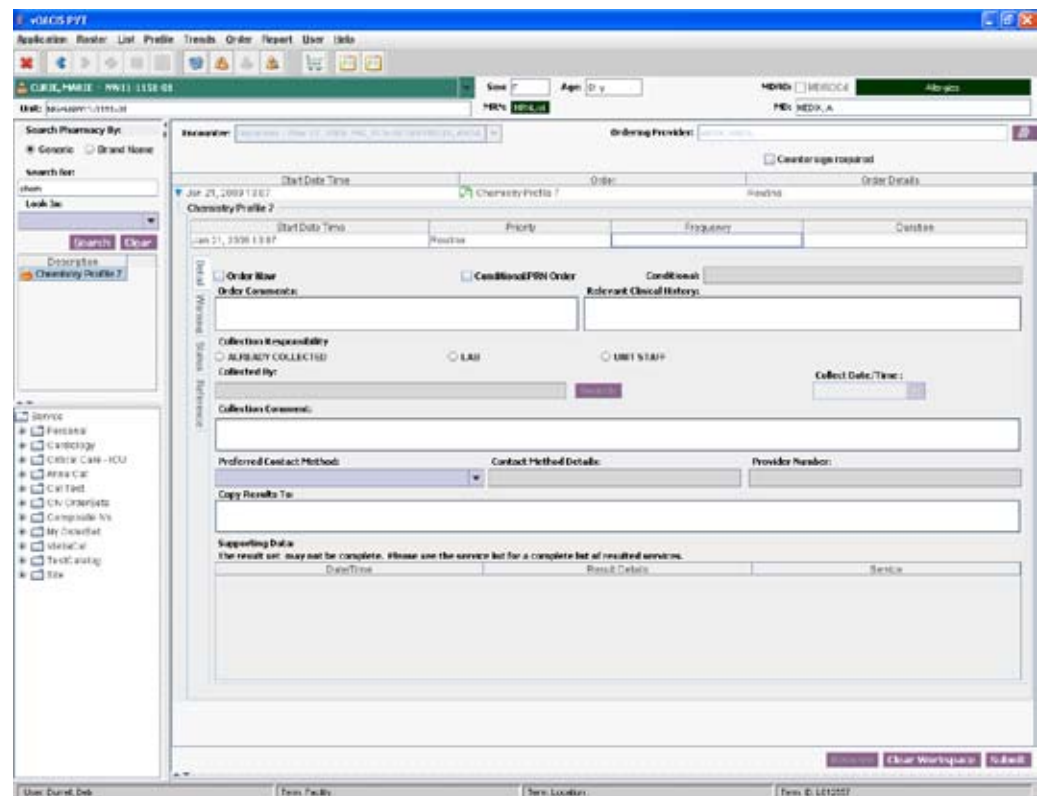


Personalized Experience

Because individuals have unique ways of accessing and assimilating information, personal, specialty-based and diagnosis-specific order sets can be developed to facilitate rapid entry of commonly ordered services. Services to be ordered are selected with a single click from the Catalog Pane and dragged into the Workspace Pane for order completion and review. The Detail Pane provides tools to confirm or modify critical details required to complete the order. Defaults are provided for frequency, duration and priority, and on-line dose information to further streamline the order entry process. Since a primary cause of rejected ancillary orders is incomplete order detail, OACiS prevents service delays by enforcing requisite order components, for every order, every time.

Orders are organized by order type, dates, and status and can be reviewed in a variety of ways, based on the individual patient encounter and user requirements.

oacis CPOE – an intuitive flow



oacis

OACIS CPOE expedites turn-around of services thus accelerating diagnosis and treatment

Integrated Care

Physician and clinician orders are combined to create an integrated plan of care. Nursing and therapeutic ancillary department orders are generated based on diagnosis and prescribed treatments. These orders drive specific interventions of nursing personnel and allied health professionals, such as physical, respiratory, and occupational therapists. OACIS supports the implementation of enterprise-wide, departmental and diagnosis-based standard order sets that can be modified and augmented by individual clinician orders. Each organization can determine the degree of standardization and specific clinical rules to adopt and which mechanisms for notifications to implement.

Intuitive Features

Ordering screens and data are organized around the encounter type and individual patient. Order data from current or prior episodes can be easily accessed and copied forward for acceptance or modification. Physicians, in monitoring patient progress and response to treatment, can readily review the status and results of all orders. On-line visual cues notify physicians of new orders and data requiring review as well as orders requiring verification or counter-signature. Notifications can also occur via electronic messaging, beeper and email alerts. OACIS fosters optimized CPOE adoption via its physician friendly-user interface, robust functionality, decision support capabilities and accommodation of personal preferences of diverse physician users and populations.

The screenshot displays the OACIS CPOE interface for a patient named DILLON, DEAN P. - Ortho Clinic. The patient's MRN is 000391460-4, and their date of birth is Oct 15, 1985. The interface shows a list of orders with columns for Select, Detail, Status, Actual Date/Time, Sched Date/Time, Dept, Order, Patient, Room, Ordered Dose, Unit, and Ad. The orders listed are:

Select	Detail	Status	Actual Date/Time	Sched Date/Time	Dept	Order	Patient	Room	Ordered Dose	Unit	Ad
<input type="checkbox"/>		Overdue	Feb 12, 2008 13:00	Feb 12, 2008 13:00	Lb	COMPLETE BLOOD COUNT	DILLON, DEAN P				
<input type="checkbox"/>		Overdue	Feb 12, 2008 13:00	Feb 12, 2008 13:00	Rd	CHEST - PA AND LAT	DILLON, DEAN P				
<input type="checkbox"/>		Due		Feb 12, 2008 16:00	Rx	SULFASALAZINE	DILLON, DEAN P		500.0 mg		
<input type="checkbox"/>		Due		Feb 12, 2008 16:00	Rx	ACETAMINOPHEN	DILLON, DEAN P		600.0 mg		
<input type="checkbox"/>		Due		Feb 12, 2008 20:00	Rx	SULFASALAZINE	DILLON, DEAN P		500.0 mg		
<input type="checkbox"/>		Due		Feb 12, 2008 20:00	Rx	ACETAMINOPHEN	DILLON, DEAN P		600.0 mg		

The OACIS Worklist

Enhanced Decision-Making

OaCIS provides physicians with seamless, evidence based guidance for planning care. Standard order sets are easily accessed and activated, an increasingly important requirement for organizations attempting to minimize unnecessary variances in care patterns.

OaCIS CPOE capabilities offer physicians access to extensive patient data as well as knowledge-based resources that enhance the decision-making process. An embedded drug database supports safe medication administration by eliminating illegible and incomplete drug orders key contributors to medication errors in a paper-based environment. Dramatic time savings realized from unnecessary calls among care providers and ancillary departments can be applied to direct patient care activities.

Physicians are offered easy access to summary and detailed clinical information gathered from disparate systems and encounters at all points of service across the organization. Clear and comprehensive views of all patient care encounters, events and data enable physicians to make better decisions faster.

Streamlines Financial Management

Financial accounting for ordered services is supported with charge on order and results that tie charges and credits to appropriate encounters. OaCIS extends these capabilities to non-automated ancillary departments, facilitating manual charging and creation of accurate patient bills – a key issue impacting rapid reimbursement.

Patient-centered Clinical Data Repository

CPOE leverages OaCIS' open architecture CDR; a rich source of longitudinal information available for physicians review and analysis prior to order entry. In concert, OaCIS CPOE and CDR offer physicians a unique opportunity to access patient data from multiple sources and knowledge bases, at key decision points throughout each episode of care.

Effective order management strongly impacts the quality and cost of care. As such, the ability to support the efficient and effective processing of orders is a vital business goal of all enterprises.

Only OACIS has the technical infrastructure required to deploy robust order entry, management, and decision support capabilities

Key Benefits:

- Web-based access and data views
 - Quick deployment, easy to maintain, faster speed to value
- Unique user interface – designed by clinicians
 - Improves workflow, easy to learn
- Pre-built-in knowledge, references, and vocabulary
 - Jump starts formulary build – provides safer care
- Integrates the entire ordering process into one workflow
 - All clinicians have consistent methods and data

Key Deliverables:

- Clinical data repository with pre-defined medical data schema
- Flexible security and permissions subsystem
- Knowledge-base from First DataBank
- Easy-to-use personalization tools for users





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

oacis

**TELUS**
health solutions