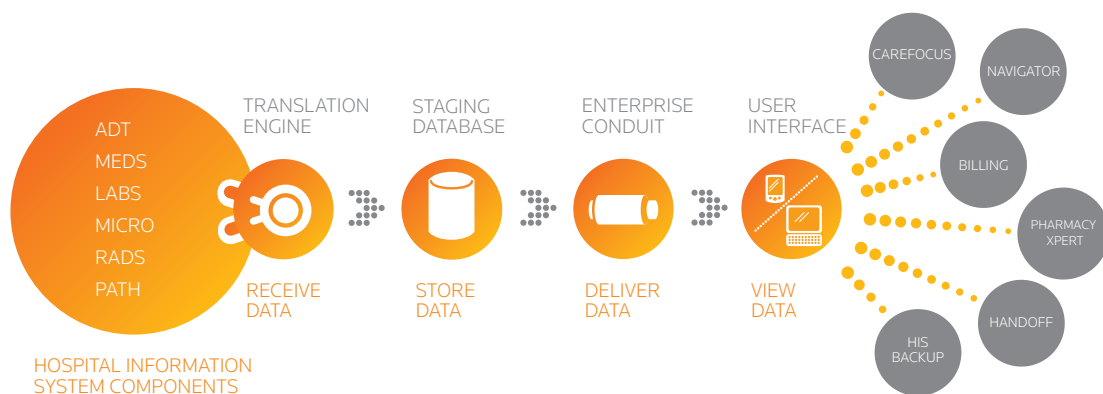


## How Clinical Xpert Works

The *Clinical Xpert* core architecture takes real-time HL7 data feeds from the various disparate components of the HIS and populates a staging database — creating a complete patient record in a single location. The staging database resides within the hospital firewall and uses clinical patient data to populate the *Clinical Xpert* applications. The data compiled in the staging

database is pushed out internally to desktop computers and mobile devices within the firewall using the hospital network and internal wireless and infrared synchronization stations. Outside access is provided using a proxy server and 128-bit encryption to deliver the same clinical patient data anywhere there is Internet or cellular connectivity.



*“After 10 months of waiting [for a mobile solution from our HIS vendor], we had a full enterprise-wide deployment of Clinical Xpert Navigator in just 10 weeks. The physicians were thrilled.”*

**Chief Information Officer**  
Atlantic Health System

## ABOUT THOMSON REUTERS

Thomson Reuters is the world's leading source of intelligent information for businesses and professionals. We combine industry expertise with innovative technology to deliver critical information to leading decision makers in the financial, legal, tax and accounting, healthcare and science and media markets, powered by the world's most trusted news organization. With headquarters in New York and major operations in London and Eagan, Minnesota, Thomson Reuters employs 55,000 people and operates in over 100 countries.

healthcare.thomsonreuters.com

Thomson Reuters  
777 E. Eisenhower Parkway  
Ann Arbor, MI 48108 USA  
Phone +1 877 843 6796

©2010 Thomson Reuters.  
All rights reserved. All brand names are trademarks or registered trademarks of their respective company.  
CDS-8529 0610 DA

# CLINICAL XPERT SUITE

## IMPROVING CLINICAL QUALITY AND EFFICIENCY



### SOLUTION BENEFITS

- Improves clinical quality through immediate identification of and rapid response to at-risk patients
- Increases clinician productivity by delivering real-time patient data when and where it's needed most
- Provides uninterrupted access to the latest patient information during HIS downtime
- Improves physician satisfaction and adds a competitive advantage for recruiting and referrals
- Facilitates patient hand-off process and improves communication between care team members
- Streamlines billing process and reduces lost or inaccurate charges
- Champions informed decision-making with quick and easy access to evidence-based referential content

How aware are you of what's happening in your hospital right now?

- Do your clinicians have immediate access to the latest lab results or medication lists for their patients in a single view?
- Do your case managers know which patients are showing early symptoms of diabetes, postoperative sepsis, or have potential for a failure-to-rescue event?
- Is your infection control team aware of the patient at risk for MRSA in room 327?
- If the hospital information system has an unscheduled outage, can your clinicians access patient information? Is the information they access current?

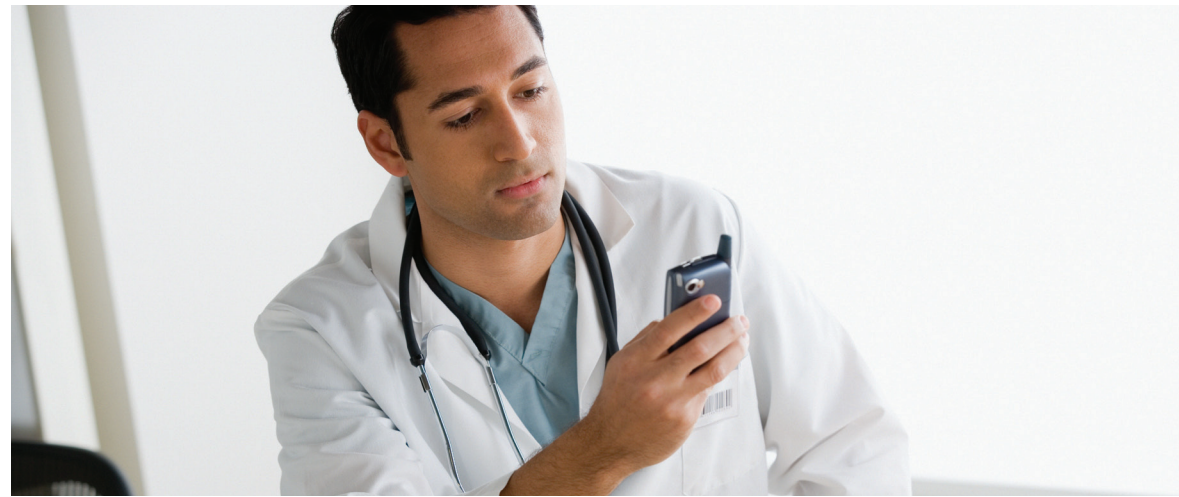
If you answered no to any of these questions, *Clinical Xpert™* from Thomson Reuters can help.

### PATIENT INFORMATION—AND MUCH MORE

The *Clinical Xpert Suite* of clinical workflow solutions delivers real-time patient data to any caregiver via the Web, mobile devices, and smartphones. Based on the eight-time KLAS® category leader for mobile data systems (formerly MercuryMD MData), *Clinical Xpert* goes well beyond providing simple mobility. With *Clinical Xpert*, your hospital deploys a single system that improves clinical efficiency through better access to critical patient information, identification of high-risk patients, charge and procedure management, care team coordination, and medication reconciliation—all while providing a seamless backup to the core hospital information system (HIS).

*“If I'm asked to compare a lab value with one from five days ago, I'm no longer flipping through note cards trying to find that one value. In 20 seconds, I can assess the situation, see the overall picture, and make an informed decision.”*

**Chief Resident**  
Children's Health System



*“The idea was to identify at-risk patients faster, allowing our clinicians to intervene earlier, reduce costs, and improve outcomes. CareFocus enables us to do that.”*

**Chief Information Officer**  
Baptist Health

#### SOLUTION COMPONENTS

##### Navigator

Immediate updates of all patient data delivered directly to clinicians with *Navigator*. Your doctors, nurses, pharmacists, and case managers will always have the most current labs, medications, radiology, pathology, microbiology, and other transcribed reports as well as vital signs and observations. Data is delivered instantly to a secure Web-based application and the clinician’s Palm® or Windows Mobile® device, or BlackBerry® smartphone.

##### CareFocus™

Take advantage of real-time clinical surveillance to identify high-risk patient populations within the hospital census using *CareFocus*. By applying profiles against clinical patient data, *CareFocus* provides real-time identification of patients with core measure conditions, comorbidities, high-risk medication profiles, and other high-risk conditions—before their conditions become more serious. Patients who meet the hospital’s preset

To learn more, call +1 877 843 6796 or visit us at [clinicalxpert.com](http://clinicalxpert.com)

criteria are automatically segmented into lists that are immediately delivered to the appropriate clinician’s desktop or handheld devices.

##### Pharmacy Intervention

A real-time pharmacy surveillance solution, *Pharmacy Intervention* aggregates and monitors clinical data from across the entire hospital information system to automatically identify changes in a patient’s condition, potential adverse drug events, and threats to patient safety based on key clinical indicators. Using evidenced-based profiles powered by *Micromedex*®, it helps pharmacists better prioritize their daily workflow and improve patient safety.

##### Billing

*Clinical Xpert Billing* — powered by Ingenious Med™ — is a comprehensive solution that consists of automated inpatient charge capture, coding and compliance tools, pay-for-performance tools, and reporting capabilities. It helps physicians and hospitals more accurately record procedure and diagnosis codes, and automatically

*“We have cut our billing cycle from 14 days to one day, and we have seen a 24-percent increase in patient volume and a 6.5-percent increase in revenue.”*

##### Physician Liaison

St. Elizabeth Medical Center

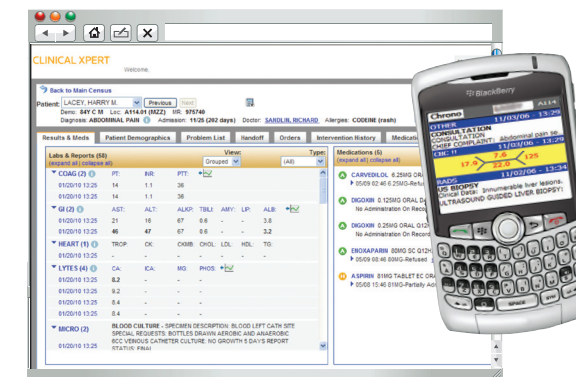
transmits billing data to the physician practice for improved revenue capture and cycle time.

##### Handoff

Give your care team a single electronic solution for exchanging patient updates. With *Handoff*, your clinical teams share an integrated problem list, collaborative patient history, and task management functions. By eliminating manual documentation tasks, clinicians can ensure all relevant patient status information is recorded and communicated to the next attending clinician. By centralizing the hand-off list, your hospital can comply with Joint Commission requirements while saving clinicians the valuable time they typically spend on patient documentation and communication activities.

##### HIS Downtime Solution

*Clinical Xpert* is an *HIS Downtime Solution* providing clinicians with complete access to the most recent clinical patient data—during both scheduled or unscheduled downtime periods of your core HIS. When you deploy *Clinical Xpert* at your hospital, you build in clinical safety by ensuring that server or systems failures will not force your clinicians to provide care without current and complete patient information.



A screen shot of *Clinical Xpert* showing a sample of the patient data available to clinicians via desktop and mobile devices.

*With Clinical Xpert, your hospital deploys a single system that improves clinical efficiency through better access to critical patient information, identification of high-risk patients, charge and procedure management, and care team coordination.*