

## Clinical Online Delivery System (CODS)

St. Vincent Health and Zanett have jointly developed **Clinical Online Delivery System (CODS)** software to support standardized, evidence-based order sets at the point of care, arming doctors and clinicians with critical information to improve medication safety and patient care. With this solution, physicians and nurses will be able to spend more time with patients and less time on the charting required of them in creating paper records.

In addition, applying clinical decision support at the point of care lays the foundation for demonstrating “meaningful use” of technology in the future, as outlined for obtaining federal stimulus funds established in the American Recovery and Reinvestment Act of 2009 (ARRA).

### The benefits of CODS include:

#### Patient Safety

CODS allows for the efficient use of evidence-based order sets and physician expert consensus. These order sets are designed to provide the best possible care with the latest available medical knowledge and medication choices with accurate dosages.

#### Cost Savings

Order sets in CODS incorporate the latest guidelines in patient management, and carefully screened choice of drugs based on appropriateness and cost effectiveness. Whenever a less expensive medication or generic alternative is recommended for a particular condition, it can be easily incorporated into the current order set and provides for an updated version for all physician users of the system.

#### System Efficiency

CODS allows for quick and easy access to the latest evidence-based order sets that can be specifically tailored to the patient condition or diagnosis. Order sets are printed legibly thus reducing the likelihood of medication errors and ambiguous treatments. It also reduces the need to call back physicians to clarify orders and correct errors in the ordering process.

#### Quality of Care

Making evidence-based medicine easily available to physicians and nurse practitioners means they are better able to apply the latest research findings, best practices and expert opinion. Standardizing order set content for each facility within the health system reduces variation leading to process improvement and higher quality.

## Bridge to CPOE™

The CODS solution was developed as a physician “bridge” strategy for moving towards CPOE (Computerized Physician Order Entry). CPOE is an application that enables providers to enter medical orders into a computer system that is located within an inpatient or ambulatory setting. CPOE replaces more traditional methods of placing medication orders, including written, verbal and fax orders.

The CODS software is accessed via a portal site that allows physicians to select their desired order items online and enables them to print a legible customized form of hospital admitting or transfer orders for their signature.



## FEATURES

### > **Web-based solution**

CODS provides doctors and clinicians with Web-based access to evidence-based clinical order sets and patient consent forms, and serves as an electronic storehouse and distribution system for each. Our solution eliminates paper-based order sets with poor version control and outdated information.

### > **Order set standardization and consolidation**

CODS provides a clean, easily readable, condensed version of only the selected items on the order set. The CODS system allows for order sets to be published, accessed and updated electronically. This makes it easier to follow the latest national guidelines and local hospital formulary or policy changes.

### > **Evidence-based guidelines**

Evidence-based information is embedded into the order sets with links to the evidence, providing appropriate guidelines for orders on admission of patients and, thus, improving quality of care.

### > **Reporting and auditing**

CODS offers the ability to audit which physicians were using the order sets, so targeted educational sessions could be directed to those not using the system. The solution enables easy, rapid feedback on order set usage by physicians by monitoring and reporting utilization metrics of specific items and order sets.

### > **Scalable and flexible**

CODS is scalable and flexible to manage centrally, but to roll-out to additional locations, as necessary. The solution integrates Patient Registration demographic information from multiple hospital systems reducing the need for many paper copies of order sets on the units at multiple hospitals sites.

### > **Quick deployment**

CODS has been designed to be easily reproducible in different healthcare environments. The technology itself can be configured to the new environment and deployed rapidly with a minimum of changes. The user access portion is built to work with existing Microsoft Active Directory information – common to most healthcare provider organizations. As the end user need only an existing computer with internet access and printing capabilities, this solution can be rapidly deployed in even small clinics and private practices while handling the back end work in a remote, central location.