Automation Systems

SafetyMed™

SafetyMed™ is a comprehensive nursing workflow automation system designed to ensure the five rights of medication administration—right patient, right drug, right dose, right route, and right time. In addition to performing bar code checking at the patient bedside, the system automates other routine bedside tasks to improve nursing efficiency and help ensure patient safety.

Patient Safety

SafetyMed helps ensure patient safety by performing verification checks at the patient's bedside when medications are administered. Nurses use the wireless handheld scanning device to scan bar code information from the patient's wristband, from the medication packaging, and from their own identification badges.

An interface to the facility's CPOE or pharmacy information system provides patient medication information which is used to confirm that the right drug is given to the right patient, via the right route in the right dose at the right time. Nurses are prevented from administering PRN doses too soon, and warnings are provided for scheduled medications being given too early or too late. Any modifications to a medication order are immediately available to the SafetyMed system, preventing the possibility of administering medications when the original medication order is no longer valid.

For those situations where a medication needs to be administered and the pharmacist has not reviewed and approved the order (e.g., pharmacy is closed, an urgent, verbal order is given to the nurse), the system alerts the nurse of any drug interactions, drug dosage, or drug allergy issues prior to medication administration.

Improved Nursing Efficiency

By automating many of the steps required to safely administer medications, SafetyMed improves nursing efficiency. The system allows the nurse to quickly determine the scheduled medications to be administered during a particular time period, facilitating the removal of medications from the automated medication cabinet.

Omnicell®

SafetyMed

When bar codes are scanned at the bedside, the system automatically documents medication and IV solution administration, creating an electronic medication administration record that can be viewed, printed as a 24-hour summary for the paper medical record, or interfaced to the hospital's electronic medical record. The system also assists the nurse with IV pump and IV set rate calculations at the bedside, ensuring proper IV solution administration and minimizing the possibility of IV pump-related safety issues.

Patient vital signs are electronically documented, and laboratory test results can be accessed through the system. With this information and the real-time patient medication profile and medication administration history, the SafetyMed wireless device becomes a valuable clinical information tool available to the nurse at all times. This information can also be made available to other authorized users (e.g., physicians and pharmacists) via a wireless Pocket PC device, further distributing necessary clinical information to other healthcare practitioners.

Leading-Edge Technology

SafetyMed is accessed through a thin client, portable wireless device via a Citrix server application for enhanced security and patient confidentiality. The SafetyMed application can be viewed on a variety of device platforms from one-quarter VGA, handheld, color-touch wireless devices to full VGA laptop or notepad computers, allowing the facility to choose the right type and mix of devices appropriate for nursing practice needs. Information from interfaces to the First DataBank clinical reference database, the facility's pharmacy information or CPOE system, and the clinical laboratory system is maintained in the system's Microsoft® SQL Server database.

About Omnicell

Established in 1992, Omnicell (NASDAQ: OMCL) provides solutions that improve patient care by enhancing the operational efficiency of healthcare organizations. Addressing the medication management and supply chain areas, Omnicell's medication and supply dispensing systems and decision support tools enable healthcare facilities to decrease costs, operate more efficiently, and reduce medication errors.

For more information about SafetyMed, contact your Omnicell account representative at (800) 850-6664 or visit www.omnicell.com.

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