Scans wrist band of the patient and the system verifies patient. A warning is issued when invalid patient is documented.

Nurse scans the medication and the system alerts when medication is invalid. Possible scenarios accounted are invalid barcode, inactive medication, expired medication, No orders placed for the medication and No schedules left for the day.

Using crystal reports, barcode labels using the font "AdvC128b" (Code 128 Barcode Symbol - Font Height 1/8" (.125") or .4 cm) are printed.

ALTEN Calsoft Labs built the Barcode Medication Administration (BCMA) allowing nurse(s) to scan a medication prior to administering to help ensure that the appropriate dosage and type is administered. BCMA validates right patient, right medication, and the right route, time.

- Scans wrist band of the patient and the system verifies patient.
- A warning is issued when invalid patient is documented.
- Nurse scans the medication and the system alerts when medication is invalid. Possible scenarios accounted are invalid barcode, inactive medication, expired medication, No orders placed for the medication and No schedules left for the day.
- Using crystal reports, barcode labels using the font "AdvC128b" (Code 128 Barcode Symbol - Font Height 1/8" (.125") or .4 cm) are printed.

THE CLIENT

The customer is a leading healthcare informatics solutions provider for more than 900+ hospitals in the US serving 15,000 patients every day.

BUSINESS NEED

The customer wanted a RFID enabled system that helps nurses and other staff to administer proper medication based on the physician prescription.

TECHNOLOGY USED

- Tools/Technology: C#.NET, JAVA/J2EE, Crystal Reports
- Test Management: Proprietary test bed and Teamtrack
- Issue Tracking: Mantis

BUSINESS BENEFITS

- Ability to track medication supply and use
- Decreased medication errors and increased staff satisfaction
- Improved pharmacy medication kit validation

ABOUT ALTEN CALSOFT LABS

ALTEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALTEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi-tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALTEN Calsoft Labs is a part of ALTEN group, a leader in technology consulting and engineering services.