



MEDITECH's robust Pharmacy solution utilizes roles-based desktops and user-defined worklists to enable pharmacists to efficiently and effectively perform their daily activities, while ensuring safe, quality care for their patients. It serves as the central component of our closed-loop medication management solution, and can be used across all healthcare settings, including acute care, long-term care, behavioral health, residential care, nursing homes, and assisted living facilities.

### ***Highlights:***

- Access all relevant data from a single, centralized processing screen
- Facilitate medication ordering, dispensing, and tracking for inpatient and outpatient prescriptions
- Reduce clinical errors with intelligent warnings, messages, and rejection notices
- Gain immediate access to enterprise-wide clinical information
- Minimize lost revenue with the option to charge on administration
- Maintain proper inventory levels by tracking perpetual inventory for multiple facilities and linking to dispensing machines
- Enhance decision support using robust reporting tools

### ***Pharmacy Enables Pharmacists and Technicians to:***

#### **Manage Workflow with Roles-based Desktops and User-defined Worklists**

MEDITECH's unparalleled integration allows staff to process all medications from one flexible desktop based on their role in care management. Information is organized according to user-defined worklists and customizable menus. Pharmacy facilitates workload by allowing staff to:

- Utilize one routine for processing all patient and order types, such as inpatient or outpatient orders, nursing home patients, and IV and oral medications
- Immediately access lab results associated with medications being ordered or reviewed
- Streamline order entry by combining medications, dosages, and directions into standard order sets
- Access the patient's electronic medical record directly from the desktop
- Document clinical interventions, adverse reactions, and progress notes all within the single order processing area
- Compile reports and statistics from the same work area
- Access customized desktops and worklists from any network device, as well as remotely.

#### **Increase Patient Safety through Real-time Access to Information and Alerts**

Pharmacists experience real-time results via a variety of clinical decision support tools, including direct access to Laboratory data, automatic dose calculations, and drug utilization evaluations.

MEDITECH ensures patient safety by notifying users of medication issues and errors during medication ordering, order review and/or verification, and administration. All conflict checks occur for new and existing orders, as well as when changes are made to the patient's profile. Conflict checks include:

- Allergies and adverse reactions maintained across visits
- Drug-drug, drug-food, drug-condition, and drug-lab interaction checks
- IV incompatibilities
- Contraindications
- Duplicate medications
- Dose checks based on a maximum dose (independent of patient size), as well as condition, age, and gender
- Lifetime dose checks for chemotherapy.

Pharmacy staff can also use rules-based logic when ordering, dosing, filling, and refilling medications to supply additional warnings, flags, and messages throughout the system. Bar code technology is available to check refill lists against medications dispensed as well.

### Minimize Charge Adjustments

Staff can reduce the time spent making cumbersome charge adjustments by controlling what constitutes charges and when charges are posted to the patient's bill. Charge capture can occur when medications are administered, dispensed, or a combination of both, virtually eliminating lost patient charges. All charges are automatically sent to billing at an organization-specified time.

### Control Inventory across the Enterprise

Pharmacy staff can manage medication inventories and update stock levels across multiple facilities via materials management functionality, as well as through interfaces with dispensing and packaging machine vendors. Pharmacy staff can:

- Update inventory levels when medications are dispensed
- Automatically generate purchase orders for vendor submission when hospital-defined minimum stock levels are reached
- Utilize bar coding capabilities to update stock levels and manage inventories
- Track controlled medication orders by inventory.

MEDITECH's dispensing and packaging machine interfaces enable Pharmacy staff to manage inventories on the location, site, facility, and enterprise level via a bi-directional interface to various HL7 compliant vendors. Pharmacy staff can:

- Access a dynamic, two-way flow of real-time patient and medication information
- Receive notifications within Pharmacy regarding medication dispensed, medication returned, machine load/unload transactions, and inventory counts
- Send notifications to the dispensing machine regarding medications ordered for the patient, and new/deleted formulary entries
- Control inventory more effectively via a link between medication administration and dispensing.

### Generate Reports to Extract and Compile Meaningful Data

Extensive reporting tools give managers access to important information in a coherent and easy-to-read format, ensuring efficient Pharmacy management. Our Pharmacy reports enable the department to monitor drug usage and administration practices to ensure compliance with organizational policies and procedures, as well as regulatory mandates. Pharmacists can easily identify ordering trends and monitor patient progress, as well as receive alerts for follow-up regarding allergies, adverse reactions, and clinical interventions in progress. Workload statistics also enable Pharmacy directors to evaluate staffing needs within the department.

The following types of standard reports are available in the Pharmacy System:

- Medication ordering reports
- Revenue and workload statistics
- Allergy and adverse reaction reports
- Renewal notices and expired order lists
- Nursing worksheets
- Drug utilization reports
- Clinical intervention statistics
- eMAR and variance reports
- Customizable MARs
- Medication monographs.

Pharmacy also offers a user-friendly ad-hoc reporting tool to create pre-defined search criteria and manipulate information on the fly. In addition, staff can use the standard MEDITECH Report Designer to create custom reports and labels.

### Reap the Benefits of Integration

MEDITECH's Pharmacy solution is a central component of our closed-loop medication management system, enabling clinicians to circumvent medication errors when reconciling, ordering, filing, and administering medications. Pharmacy staff receives immediate communication of medication orders entered via CPOE. Workflow is improved by providing clinicians with a pathway to eMAR documentation, as well as a means to monitor medication administration and ensure safe practices are followed.

Integration with the MEDITECH EHR enables Pharmacy staff to:

- Access a complete and comprehensive enterprise-wide electronic record
- Track and manage quality and safety issues, such as allergies and ADRs
- Ensure appropriate medication dosing based on lab values and results both during order entry and while processing refill lists
- Perform a cost analysis of antibiotic treatments based on microorganism resistance and sensitivity to medications
- Support more efficient claims management via J-code billing
- Enhance materials management for inventory control and tracking.

For more information about us, contact a MEDITECH Marketing Consultant.

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