MEDITECH’s Imaging and Documentation Management solution improves the efficiency of diagnostic imaging departments with tools to streamline workflows, manage workloads, and coordinate patient care from ordering through results reporting. Designed specifically for Imaging and Mammography departments, our solution expedites the entire exam process. Through roles-based desktops, your staff can order, schedule and record exams, track patients, view diagnostic images via our PACS interface, and efficiently document results. Patient tracking and follow-up tools help departments monitor patient status from arrival to departure and beyond. Radiation dose tracking and embedded decision support tools trigger interaction and conflict alerts ensuring patient safety. Result reporting is expedited with voice recognition and electronic signature. And since our Imaging and Documentation Management solution transmits exam statuses and results across Expanse in real time, clinicians always have access to the most up-to-date information. By accessing a patient’s chart directly from their desktops, Imaging staff can also easily view information such as PACS images, transcribed reports, current medications, and lab results.

Manage Workloads Using Specialized Desktops and Trackers
The Imaging and Documentation Management solution offers several specialized desktops and trackers from which Imaging staff can coordinate and manage all aspects of patient care and administrative tasks. Desktops consolidate essential routines and information into a single screen and are tailored to users’ job responsibilities, such as technologists, radiologists, and receptionists. Desktop menus can be customized to provide direct access to specific routines and reports from other MEDITECH applications, and can include custom reports created with our Report Designer tool. Imaging staff can also tailor private trackers to display orders and reports based on preference criteria that best supports their workflows. This consolidated and personalized access eliminates the need to drill down through multiple menu levels, and facilitates safe, efficient patient care.

Efficiently Manage Orders and Coordinate Patient Exams
Our Imaging desktops provide staff with instant access to relevant patient information, as well as tools to support order entry, scheduling, and exam processing for diagnostic imaging services - including specialized services such as Mammography, Cardiology, Cardiac Cath, and Neurology. Highlights include:

- Integration with Order Management that lets physicians and other providers enter imaging orders from any care setting -- including the office, clinic, ED, hospital, and the Imaging department. Orders can be modified and cancelled, with queries capturing the reasons for the changes.
- Direct access to the functionality of MEDITECH’s Community-Wide Scheduling, allowing Imaging staff to use one central desktop to book exams, facilities and resources.
- Easy documentation of exam and procedure details through a Technologist desktop where pertinent information such as start/end times, materials used, and result values can be recorded.
- Efficient internal and external film tracking through a File Clerk Desktop.
Maintain Safety Protocols through Clinical Decision Support

MEDITECH's Imaging and Documentation Management solution provides clinical decision support tools to improve patient safety by alerting all staff involved in ordering, scheduling, and performing diagnostic exams of potential interactions or conflicts. Our rules-based logic will allow your organization to define rules based on your clinical protocols and best practice workflows. Our system provides:

- Complete allergy interaction checks, including for substances used during diagnostic exams.
- Duplicate, conflict, and contraindication checks to ensure exams are ordered in the proper sequence and do not conflict with other scheduled procedures.
- Alerts specific to a patient's condition, for instance the scheduling of X-rays during pregnancy.
- Radiation tracking to monitor a patient's lifetime exposure, with alerts if the threshold is exceeded.

Improve Turnaround Times with Tracking Capabilities

Imaging and Documentation Management provides receptionists, technologists, and other department staff with built-in tools to prioritize patients and monitor procedure status from a patient's arrival to departure. This helps to minimize wait times and ultimately improve patient satisfaction. Features include the ability to:

- Track and display patient location, wait time, priority, and procedure status.
- Color code wait times and status to facilitate easy viewing of department status.
- Create customized views according to user preferences and device-specific settings.

Our Imaging solution includes a public tracker created to provide hospital staff and patients a way to view up-to-the-minute department data at a quick glance. Trackers can be utilized in staff-only or patient-friendly areas and display only predefined information. Unique patient identifiers protect patient confidentiality, and trackers can be customized to identify ED patients and to denote patient location.

Quickly Report Patient Results

Radiologists and transcriptionists can quickly and accurately report patient results based on specific needs and preferences. Data can be captured and automatically pulled into reports helping to reduce the time spent on transcription. Several other features in the MEDITECH system help reduce time spent documenting patient results including:

- A comprehensive transcription system that uses either standard word processing software such as Microsoft Word or MEDITECH's own text editor.
- Integrated voice recognition (VR) capability using any VR software that can be supported by the device accessing the MEDITECH system.
- Direct electronic messaging between radiologists and transcriptionists.
- A system-wide messaging desktop to facilitate communication between clinical, administrative, and financial staff across your organization.
- Insertion of common phrases and user-specific coded comments.
- Incorporating schematics, pictures, digital photos, and scanned pictures into reports.
- Spelling accuracy using Stedman's Spellchecker products.
- Electronic signature, including a time and date stamp, that allows for signing multiple reports with a single PIN entry.

Using an available interface, MEDITECH's Imaging and Documentation Management solution can also receive result reports and non-order-based reports transcribed in other vendors' voice recognition or transcription software outside of the MEDITECH system, and relay these reports to the patient's chart.
Through the integration in Expanse, reporting capabilities in Imaging and Documentation Management are also used by the Physician Documentation feature of our Physician Care Manager, Emergency Department Management, and Ambulatory solutions. This allows providers to efficiently document patient care provided in all care settings using a wide assortment of standard documentation templates designed to address several key specialties, such as cardiology, surgery, orthopedics, pediatrics, and pulmonology.

Ensure Accurate Charging and Financial Control

Your organization can effectively capture and track charges for diagnostic imaging exams and other department procedures, helping you expedite billing and reduce lost charges. Features include:

- Automatic charge capture at a pre-defined status — order entry, exam processing or completion, report entry, or electronic signature.
- Professional fee capture for radiologists and other professional service providers.
- Timed charge capture and multi-patient batch charging and crediting.
- Standard management and billing reports, such as patient billing activity and a discrepancy list.

MEDITECH is collaborating with the National Decision Support Company (NDSC) to comply with the Protecting Access to Medicare Act of 2014 (PAMA) which mandates that physicians consult with a qualified clinical decision support mechanism (qCDSM) that relies on established Appropriate Use Criteria (AUC) when ordering advanced imaging services. The NDSC system will embed all required data elements for a payable claim within MEDITECH.

Streamline Mammography Management

The Mammography Desktop in our Imaging and Documentation Management solution consolidates the routines needed to efficiently process mammography exams and follow up information. Imaging staff can quickly access routines such as Exam Codes, Follow-Up, and Letters, and also conveniently enter, view, and print questionnaires, exam codes, results, outcomes, findings, letters, and reports. MEDITECH’s mammography feature meets all regulatory standards enforced by The Joint Commission, the FDA, the Mammography Quality Standards Act (MQSA), and state agencies.

Promote Preventative Follow-up Care

Built-in tracking capabilities help your departments ensure patients are returning for follow-up visits and preventative health maintenance, such as mammography exams. These features include an online follow-up tracker for compilation of abnormal exams and exams requiring follow-up. Capabilities include:

- Tracking of result, follow-up, and outcome codes.
- A patient contact tracker to easily record communication with the patient—including phone calls made, messages left, and letters sent—meeting MQSA guidelines.
- Automated patient and provider letter generation for both normal and abnormal results, as determined by your organization’s follow-up protocols.

Access Diagnostic Images Via PACS Interface

Working in conjunction with Imaging and Documentation Management, MEDITECH’s PACS Interface Suite creates a cohesive clinical system with a two-way flow of data between MEDITECH Expanse and your third party PACS. Clinicians can view images when and where they want, helping to present findings more quickly, effectively improving patient care. Our PACS Interface Suite allows Expanse to:

- Transmit patient demographic, exam, and report information to the PACS.
● View status information from PACS, EKG systems, or another image source.
● Receive diagnostic images via HL7 compliant messages from the PACS.
● Access PACS images from the patient's chart and the Imaging desktops.
● Invoke images during electronic signature, and while accessing orders or reports.

**Analyze Department Statistics**

Built-in reporting and statistical tools provide important departmental information presented in coherent and easy-to-use formats. In addition to a diverse range of statistical reports, our Report Designer tool can be used to create customized reports to gather information from across MEDITECH products. And since workload statistics are automatically compiled, your organization can easily view statistics on productivity for your diagnostic imaging departments. Standard reports include:

- Order Status - Daily Log, Orders Missing Results, and reports for all cancelled, duplicate, overdue, and incomplete procedures.
- Diagnostic Imaging - Turn Around Times, Radiation History, Comparative Repeat/Rejects.
- Statistical Criteria - Accuracy, Comparative, Departmental, Workload, and Diagnostic Imaging.
- Results - Reports By Dictating Doctor, Transcriptionist, Patient, Status, and Electronic Signature.
- Management - Activity Log, Audit Trail, Medical Record Follow Up, No Show List.

**Realize the Benefits of Integration**

Using Imaging and Documentation Management in conjunction with other MEDITECH Expanse products offers several benefits, such as the ability to share real-time clinical and administrative information across the MEDITECH EHR. Additional benefits include:

- Direct access to ordering, registration, and scheduling routines from Imaging desktops.
- A single, centralized source for current and lifetime patient information, including PACS images, transcribed reports, lab results, allergies, and current medications.
- Flagging of lab information during order entry and exam processing to enhance communication.
- Pharmacy integration that facilitates documentation of contrast administration in the patient's MAR.
- Mammography result code updating from Anatomical Pathology for efficient compilation of MQSA-required accuracy statistics.
- Medical Necessity checking and capture of CPT-4 modifiers at scheduling and order entry.
- Automatic charge capture for accurate and expedited billing for Revenue Cycle.
- Quality issues and outcomes tracking for patients and non-patients with Quality and Surveillance.
- Real-time decrementing of supplies from Materials Management.

For more information, contact a MEDITECH Marketing Consultant.