

## Imaging and Therapeutic Services Functionality Brief



MEDITECH's Imaging and Therapeutic Services solution improves the efficiency of Radiology, Mammography, and other departments at your organization that use textual result reporting methods. Streamlined ordering, documentation, and results reporting capabilities facilitate exam processing, while patient tracking and follow-up capabilities help departments monitor patient status from arrival to departure and beyond.

### *Highlights:*

- Track patient progress in department through dynamic roles-based desktops
- Ensure patient safety using flags, warnings, and rules-based conflict checking
- Enter reports more quickly with rapid access to voice recognition
- Enhance communication using schematics, digital pictures, and scanned images
- Decrease report turnaround time through electronic signature
- Improve patient retention with follow-up tracking and reminder letters
- Expedite access to images through integration with PACS or other systems
- Easily track film location and entry of normal results using bar coding

### ***Imaging and Therapeutic Services Enables Radiology and Department Staff to: Manage Workloads Using Specialized Desktops***

The Imaging and Therapeutic Services solution offers several specialized desktop screens from which staff can coordinate and manage all aspects of both patient care and administrative tasks. Desktops consolidate essential routines and information into a single screen and are tailored to each user's job responsibilities, such as technologists, radiologists, therapists, file clerks, and receptionists. This centralized access not only eliminates the need to drill down through multiple menu levels, but also expedites the entire exam process and facilitates safe, efficient patient care.

### ***Efficiently Coordinate Patient Exams and Manage Orders***

The Technologist Desktop provides staff with instant access to relevant patient information, as well as robust tools to support department order entry and exam processing needs. Integrated decision support and rules-based logic capabilities promote patient safety and department efficiency by:

- Warning technologists of procedure conflicts
- Displaying exam-specific information at the point of ordering
- Flagging clinicians of potential interactions, such as an allergy to contrast media
- Prompting users to answer rules-based queries, such as a pregnancy query
- Tracking a patient's lifetime exposure to radiation.

## Improve Turnaround Times with Robust Tracking Capabilities

Imaging and Therapeutic Services 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 viewing department status at a glance
- Create customized views according to user preferences and device-specific settings.

## Quickly Report Patient Results Using Robust Tools

Radiologists and transcriptionists can quickly and accurately report patient results based on their specific needs and preferences. A variety of options are available, including the ability to:

- Rapidly enter report text using either a built-in MEDITECH Text Editor, Microsoft® Word, or other vendor transcription or voice recognition software, such as Dragon NaturallySpeaking from Nuance
- Expedite report entry by inserting common phrases and terms and user-specific coded comments
- Incorporate schematics, pictures, digital photos, and scanned pictures
- Accelerate creation of normal reports using bar coding
- Record exam histories using easily adjustable exam questionnaires.

Electronic signature accelerates the communication of finalized reports. Clinicians can verify multiple reports with a single PIN entry, as well as skip, edit, and print reports with a single click. Using messaging routines, radiologists can also communicate electronically with transcriptionists, as well as with their colleagues for peer review. Clinicians receive automatic communication of abnormal results through a worklist, pager, automated printing, or e-mail.

## Ensure Accurate Charging and Financial Control

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

- Automatic charge capture at exam entry, processing, completion, report entry, or electronic signature
- Timed charge capture and multi-patient batch charging and crediting
- Standard management and billing reports, such as billing lists, patient billing activity, and a discrepancy list.

## 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 on-line follow-up tracker for compilation of abnormal exams and exams requiring follow-up. Capabilities include:

- Tracking of BI-RAD codes, including result (Category I-V), 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 through an Interface with Image Viewing Systems

MEDITECH provides clinicians with direct access to diagnostic images through a patient's on-line medical record using a bi-directional interface to the image viewing system of your choice. Our interface capabilities, which include a standard PACS interface suite, enable your department staff to:

- View status information from PACS, EKG systems, or another image source
- Link to patient-specific images from Imaging and Therapeutic Services and the patient's record
- Invoke images during electronic signature, and while accessing orders or reports
- Transmit demographic, exam, and report information to the image viewing system.

## Track the Location of Records, Film, and Materials

To supplement PACS capabilities, staff can efficiently track all paper charts and film lent inside and outside of the organization using a File Clerk Desktop. This desktop enables clerks to:

- Check-in/out and reserve master jackets, sub-jackets, and orders
- Automatically queue reminder letters for overdue films
- Utilize a dynamic tracking tool to determine the location of film
- Scan bar codes to expedite all film tracking routines
- Track film and other materials used during the exam.

## Analyze Department Statistics

Built-in reporting and statistical tools provide department managers with access to important information presented in coherent and easy-to use formats. Standard reports include:

- Order reports, such as cancelled, duplicate, overdue, and incomplete procedures, as well as a daily log
- Statistical reports, including workload and comparative statistics
- Management reports, including Final Day Sheet, No Show List, Inventory List, Activity List, and Audit Trail
- Accuracy statistics automatically generated from captured BI-RAD codes.

Management can also utilize easily adjustable ad-hoc reporting capabilities.

## Reap the Benefits of Integration

Using Imaging and Therapeutic Services in conjunction with other MEDITECH products offers several benefits, such as the ability to view and share real-time information across the MEDITECH EHR and instantly access orders entered through CPOE. Additional benefits include:

- The ability to register walk-ins and schedule follow-up appointments from the desktop
- Flagging of Lab information during order entry and processing to enhance communication
- Streamlined workflow, with the ability for Anatomical Pathology to update BI-RAD codes, for more efficient compilation of MQSA-required mammography accuracy statistics
- Medical Necessity checking and capture of CPT-4 modifiers at scheduling and order entry
- Quality issues and outcomes tracking for patients and non-patients with Quality Management and Risk Management
- Real-time decrementing of supplies from Materials Management.

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

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