



# Data Import

Bring outside imaging directly into your EHR workflow to accelerate clinical decisions, reduce manual data entry, and improve the patient experience.

## PRODUCT OVERVIEW

Data Import is a SMART on FHIR application for importing outside imaging that operates natively within your existing EHR. It works with Epic and supports several Medicom capabilities, including Checkpoint, Patient Match, and Automatic Order Generation.

Once studies are uploaded using Medicom, they are routed straight to your archive or to Checkpoint for administrative review. By supporting direct uploads from physical media, it cuts administrative workload and reduces headaches linked to external patient data ingestion.

## Clinical Benefits: Optimizing the Care Workflow

### Reducing Manual Demographic Entry

By launching in context and automatically pulling the patient ID, name, date of birth, and legal sex straight from the open EHR chart, Data Import helps eliminate redundant data entry while minimizing ingestion errors. Users are signed in to Medicom as an extension of their EHR session, so staff doesn't have to juggle extra passwords or retype patient demographics.

- patient ID
- name
- date of birth
- legal sex

### Order Association: Connecting Scans Directly to Open Requisitions

One of the most powerful capabilities for clinical teams is order association. This allows users to query the EHR or MWL for a patient's open, pre-placed orders when the application launches. Staff can retrieve active patient orders when the app opens, using either native FHIR integration or worklist queries through ImageX.

Users can associate a study with an open order, such as an incoming trauma transfer, prior to initiating the upload process.

AUTOMATED ROUTING

Depending on upload criteria, such as order association or time of day, administrators can configure automated routing rules that allow studies to bypass staff review in Checkpoint. The studies flow directly into your archive, saving critical minutes for time-sensitive cases.

Workstation Performance: Managing Physical Media Ingestion

While modern cloud networks are fast, local clinical workflows are often held back by older hardware. Medicom incorporates specific software optimizations to gracefully handle physical constraints:

- **Smart Sequential Reading:** Ingesting physical CDs can cause performance lag if a system tries to read multiple files at once. The software manages this by reading data sequentially, one active study at a time, keeping the workstation responsive.
- **Directory Scanning Warnings:** The software automatically scans for a DICOMDIR map file on local folders. If a user selects a folder missing this directory map, the system issues a warning, saving staff from waiting on the system to parse thousands of unmapped files.

The Ripple Effect for Patients: Faster Scans, Fewer Repeat Exams

While Data Import serves as an administrative and clinical tool, its downstream effects on patient care are substantial.

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| <p><b>Accelerated Care Delivery</b></p> <p>By reducing traditional delays caused by manual patient and order association, imaging data reaches the provider significantly faster. In emergent situations, bypassing the staging area entirely means clinicians can view imaging right away.</p> | <p><b>Enhanced Data Accuracy</b></p> <p>Because the ingestion workflow operates within a secure, authenticated connection, patients can trust that their history is routed accurately to their specific record. This helps eliminate the risk of imaging data being mismatched, delayed, or lost in transit.</p> | <p><b>Avoiding Repeat Scans</b></p> <p>Ingesting outside imaging helps patients avoid redundant imaging procedures, lowering unnecessary radiation exposure and duplicate out-of-pocket costs.</p> |
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## The Connect Advanced Suite

Data Import complements other features in Medicom Connect, including:

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### Patient Link and Upload (for Patients)

These capabilities allow patients to securely view, download, and share imaging history via Patient Link, while enabling them or outside providers to upload prior exams from a folder, CD, or USB using Upload.

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### Smart Search

This automated retrieval tool shares background settings with Data Import. If a patient is pre-matched by either Smart Search or Data Import, the system can apply the same routing rules automatically and bypass Checkpoint reviews.

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### Analytics

This reporting dashboard tracks Data Import activity to give you insights into which external institutions supply your imported data.

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## Cloud-Based Architecture

The architecture uses a cloud-based upload pathway, moving data securely over HTTPS. Because it uses network connections your organization already allows, IT teams typically have no firewall changes to make. This design delivers exceptional transfer stability and achieves fast upload speeds for large files.

While the cloud can process hundreds of megabits per second when pulling data from modern solid-state drives, throughput for physical media is limited by the local workstation's optical drive. Organizations processing high volumes of physical CDs can maximize performance capabilities by matching it with modern, high-speed optical drives.

## Infrastructure Scalability and Custom Routing

Because the Data Import app makes uploading simple, facilities routinely experience a healthy increase in the total volume of imaging data entering their networks.

- **Resource Alignment:** Medicom coordinates with your IT teams during implementation to review local system resources, verifying that your internal architecture is scaled appropriately to support increased data flow without performance dips.
- **Automated Routing Control:** Advanced routing rules can be configured to manage how data flows through your network. Administrators can determine when data should bypass manual review and head straight to an enterprise archive based on whether the patient was pre-matched during the import or through Smart Search features.

## Streamlined Review and Checkpoint Integration

When studies require administrative review, staff uses Checkpoint to inspect images. To streamline this workflow, administrators can configure a button within Data Import that lets users jump directly into Checkpoint as soon as an upload finishes. Once in Checkpoint, a built-in DICOM viewer allows staff to review studies easily, with options to open images in the same window or a new browser tab. Our training sessions cover full portal deployment, configuration, and routing-rule creation to get your team up to speed quickly.

[Schedule a workflow review](#) to see how Data Import connects outside imaging straight to your archive, accelerates clinical decisions, and helps eliminate manual intervention.

