

A healthcare professional with short brown hair, wearing green scrubs, is holding a silver tablet and looking at it. An elderly woman with grey hair, wearing a white sweater over a patterned shirt, is looking down at the tablet with a slight smile. The background is a blurred indoor setting.

# Enterprise Imaging Mobile and Web Capture

Use mobile devices to securely capture, access,  
and index medical images and videos within the EHR

**AGFA**   
HealthCare

Agfa HealthCare Enterprise Imaging Mobile and Web Capture enables physicians, caregivers, and patients to publish clinically relevant medical images from mobile and web-based devices to a securely indexed entry within a patient's electronic health record (EHR). Doing so, the technology fosters increased physician-to-physician engagement across departments and beyond the hospital's walls, while creating an environment that empowers patients to become more informed and involved in the care management process.

Mobile technology is now widespread within the health-care space with physicians frequently using their mobile phones or tablets to record patient data and connect with the EHR. Enterprise Imaging's new Mobile and Web Capture technology is designed to leverage this trend to improve the delivery of care and reduce cost by uniting the convenience and immediacy of mobile computing with the power of the Enterprise Imaging platform. Now, Enterprise Imaging enables clinicians, as well as their patients, to use mobile devices to securely capture, access, and index medical images and videos within the EHR.

Enterprise Imaging's easy to use mobile interface also empowers patients to become involved in their medical care – allowing them to take photographs of wounds, skin conditions, post-surgical healing etc. as needed, reducing unnecessary and costly visits.

For instance, with Enterprise Imaging, a patient being treated for a diabetic foot ulcer now has the ability to produce and share relevant wound images within a secure application, enabling the physician to monitor the treatment progress without the need for repeated visits to an examination room.

## ENTERPRISE IMAGING “MOBILIZING” THE IMAGE-ENABLED EHR

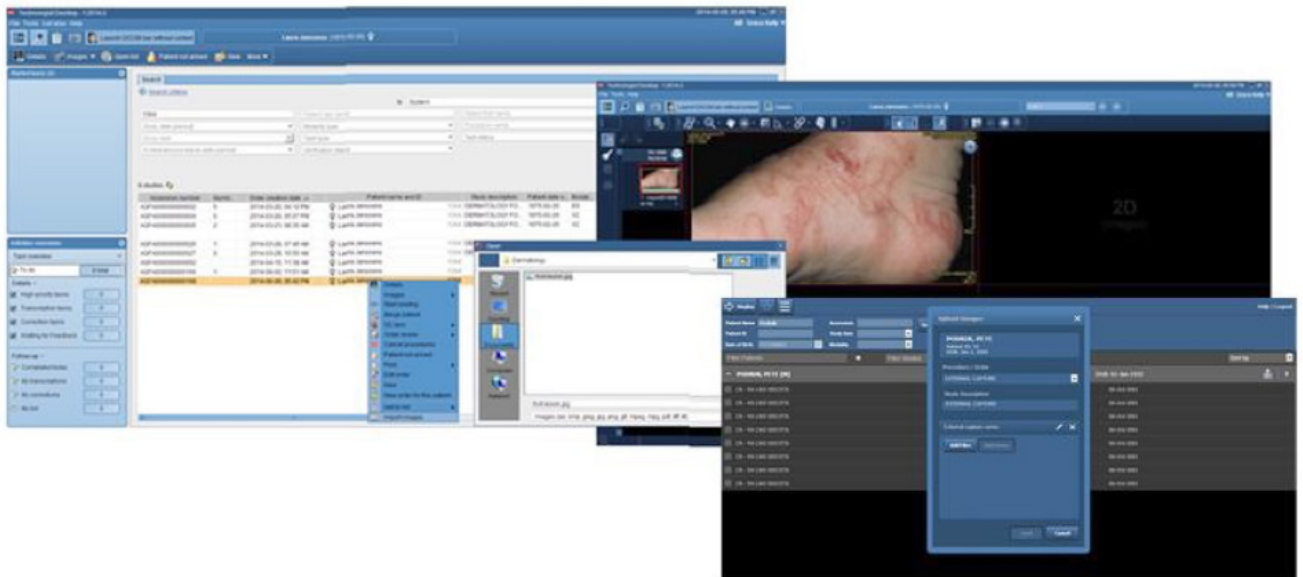
Enterprise Imaging combines an HTML5 Web-based mobile interface with a flexible workflow and robust meta-data to allow seamless accessibility while providing scalability to meet the needs of various departments within the hospital. The Mobile and Web Capture technology, leverages the power of Agfa HealthCare's Enterprise Imaging platform to deliver enhanced viewing, sharing, and integration across mobile platforms of images from all sources securely on a single mobile-based viewer.

### KEY ATTRIBUTES:

- Secure access, including from mobile devices, to imaging data from different departments to those who needs it: clinicians, referring physicians, and patients
- The ability to view images from multiple sources, within a single, patient centric mobile environment
- Seamless integration in the EHR and interoperability with solutions from top vendors
- Highly intuitive interface that uses familiar, two-finger mobile device gestures and supports QR codes for fast image sharing with referring physicians or patients

### ENTERPRISE IMAGING MOBILE AND WEB CAPTURE OVERVIEW

Images can be uploaded with context and metadata, then stored to Enterprise Imaging from mobile devices such as smart phones and tablets.



### IMAGE CAPTURE TOOL: CONCEPTS

You can find patients from a mobile device such as a smartphone or tablet, and add images to new orders or to existing studies, by using the image capture tool.

For example, a physician performing rounds in a hospital observes a medical condition and takes an image or video and adds it to the patient's medical record. The physician can review any other studies for the patient directly from the mobile device. To enhance security no images that are captured within the Image Capture Tool are stored locally on the mobile device.

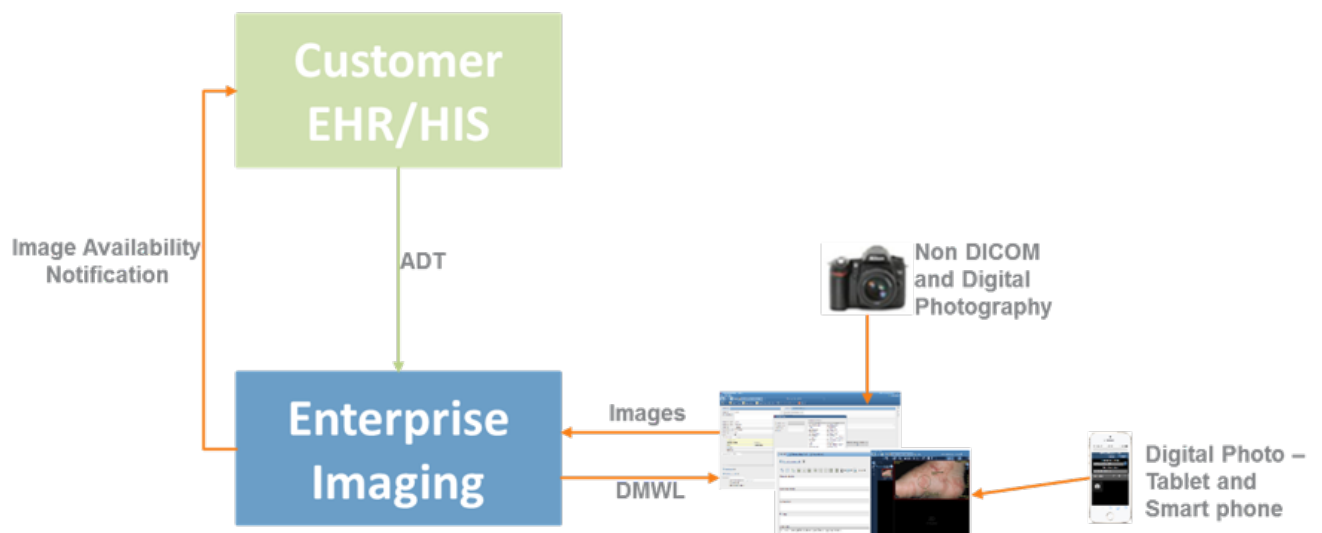


# Enterprise Imaging

Mobile and Web Capture

## ① MOBILE CAPTURE WORKFLOW

- Patient is created in EHR/HIS (e.g. during the admissions process).
- ADT from EHR/HIS is sent to Agfa HealthCare Enterprise Imaging.
- User logs into Enterprise Imaging Mobile and Web Capture interface on their mobile device and searches for a patient.
- User selects Upload Images icon.
- User selects pre-defined study from the Study Description pane on Upload pop-up.
- User edits data in the study description box, and adds additional comments, if desired.
- The non-DICOM (Mobile) images are captured; or user selects and attaches images that have previously been captured and stored on the local device.
- Images are then uploaded to the Enterprise Imaging platform
- Images are quickly available in the Enterprise Imaging XERO Viewer.



## ② DIGITAL CAMERA WORKFLOW

### Photographs acquired using digital SLR cameras (e.g. medical photography).

- Photographs are captured and stored on the device (camera) then uploaded onto a PC in the department (medical photography for example).
- Photographs can then be uploaded into Enterprise Imaging via the browser-based image capture tool on a PC .
- The images can be associated to an existing study or a new event generated in the background (seamless to the end user) and will appear in the patient record as a new entry

Image Capture Tool

Log out

Patient ID: First name: po Sex: Date of birth: Department at acquisition: Procedure definition: Scheduled procedure date: Search Stop Clear

2 patient(s) found, 2 shown

ENDOSCOPY	315 image(s)
PORTAL, PETE	08-03-19   AG00000101

Search Log out

Finish Images Cancel

Study details

Procedure: ENDOSCOPY

Scheduled procedure date:

Accession number: 88966

Referring physician:

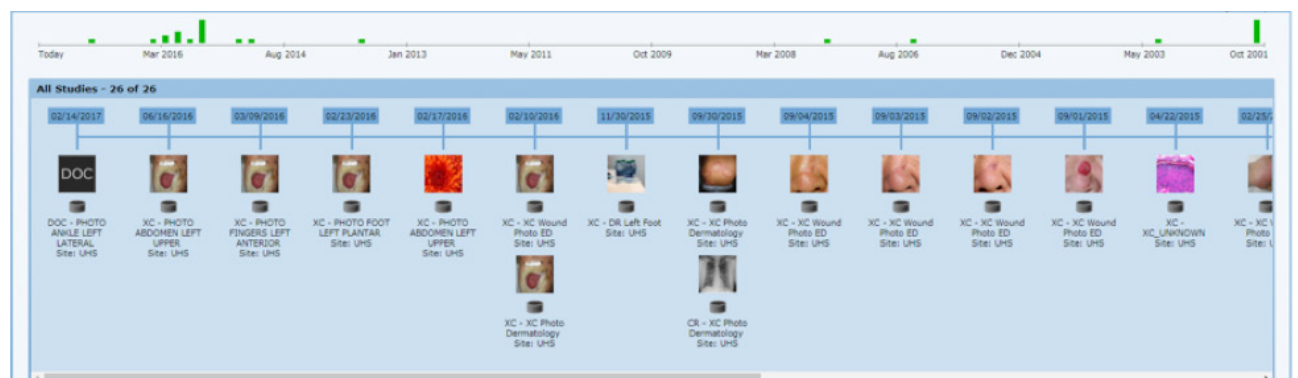
Clinical info:

Reason for study:

Upload images

Comment:

Add image Upload



**Follow up procedure:**

- 
- The figure illustrates the data transfer process from a mobile device to a cloud-based system. It consists of three sequential screenshots connected by blue arrows.
- First Screenshot (Mobile App):** Shows a mobile application interface. At the top, there is a "New Search" button. Below it, a list of patient records is displayed. Each record includes a patient ID, date of birth, and a list of procedures. A blue arrow points from the first record to the second screenshot.
  - Second Screenshot (Web Browser):** Shows a web browser interface. At the top, there is a search bar. Below it, a list of procedures is displayed. A blue arrow points from the second screenshot to the third screenshot.
  - Third Screenshot (Web Browser):** Shows a web browser interface. At the top, there is a search bar. Below it, a list of procedures is displayed. A blue arrow points from the third screenshot to the fourth screenshot.

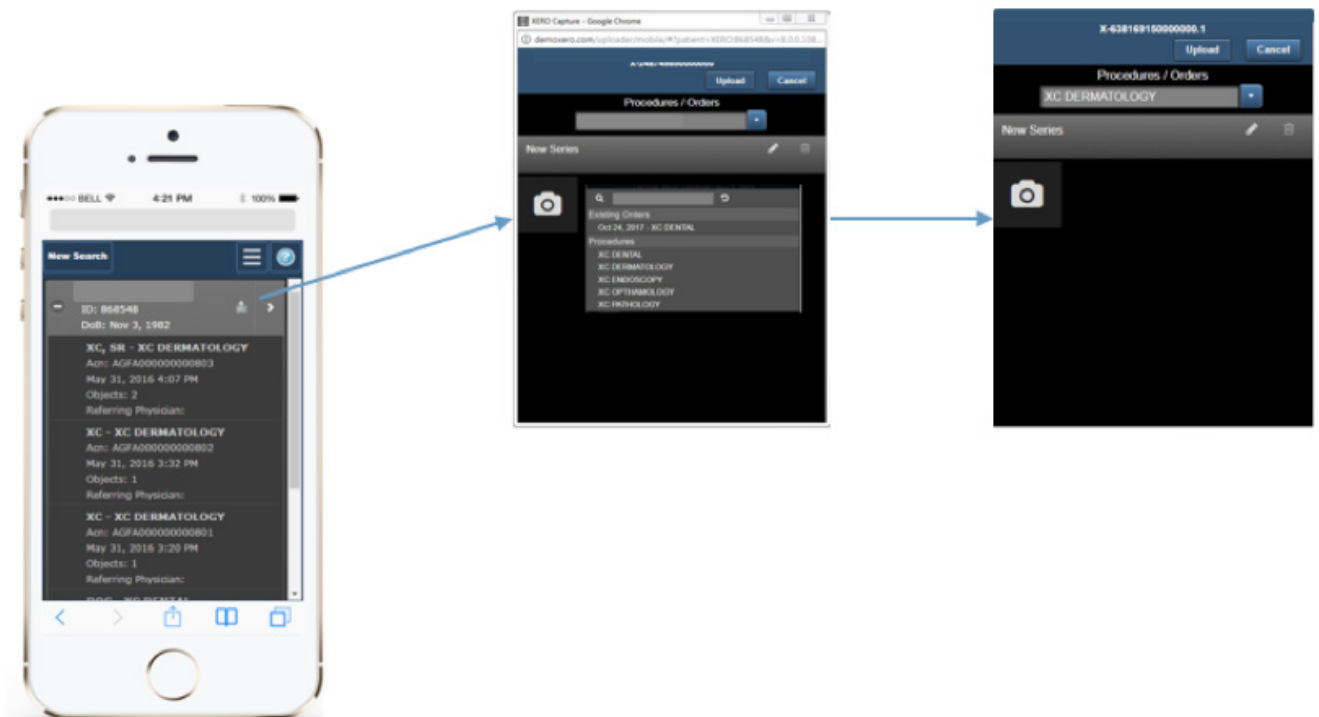


# Enterprise Imaging

## Mobile and Web Capture

### New procedure:

- Photographs are taken on the mobile device (tablet, smart phone).
- Using the Enterprise Imaging Mobile and Web Capture interface, basic order and patient information can be generated in the background, seamlessly to the end-user.
- The photographs acquired can then be uploaded and associated with the patient's file, becoming part of the patient's imaging record as a new event



### CLINICAL EXAMPLE:

An unconscious road traffic accident patient is being transferred to the local hospital emergency department. Photographs are taken of the patients wounds and need to be sent to the emergency department prior to the patients' arrival enabling the emergency staff to prepare for the patients arrival. Patient information is not available at this time therefore the photographs taken are associated with the patient John Doe / Jane Doe and uploaded into the hospitals image management system and are accessible to the emergency department staff, helping reduce the time required to start treating the patient upon arrival.

Patient Name: <input type="text" value="agfa"/>				Accession: <input type="text"/>	Search <input type="button" value="Clear"/>	
Patient ID: <input type="text"/>				Study Date: <input type="text"/>		
Date Of Birth: <input type="text" value="YYYYMMDD"/>				Modality: <input type="text" value="Photo"/>		
Filter Patients <input type="text"/>				Filter Studies <input type="text"/>	List View <input type="text"/>	Sort by <input type="text"/>
AGFA, SUSAN (O)				ID: P-2015-2	DoB: Dec 21, 1966	
XC - XC Wound Photo ED				Acn: X-244025000000.0005	Oct 7, 2015 5:50 PM	
XC, SR - XC Wound Photo ED				Acn: X-1821975950	Sep 10, 2015 6:12 PM	
XC - XC Wound Photo ED				Acn:	Sep 4, 2015 6:48 PM	
XC - XC Wound Photo ED				Acn: AGFA000000000821	Sep 3, 2015 6:48 PM	
XC - XC Wound Photo ED				Acn:	Sep 2, 2015 6:47 PM	
XC - XC Photo Dermatology				Acn:	Nov 19, 2014 4:14 AM	

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