

Share every image,
from [anywhere](#)

A photograph of two medical professionals in white lab coats. On the left, an older man with glasses and a beard is holding a tablet displaying several medical images, including a 3D skull model and various cross-sectional scans. On the right, a younger woman with blonde hair in a bun is holding a clipboard and pointing at the tablet. The background is a bright, modern clinical setting with large windows.

Agfa HealthCare
Enterprise Imaging
Exchange

Fast, secure, reliable transfer of any patient studies
between hospitals, with no CDs or DVDs

The patient's complete imaging record at your fingertips, from any source, to any site

Without the patient's complete medical imaging record, you are making diagnostic and treatment decisions with only part of the picture. These days, images can come from all along the care continuum: whether images of wounds taken in the emergency room, photos from a dermatologist's smartphone, or DICOM and non-DICOM images from radiology, cardiology, nuclear medicine and beyond.

Sharing these images – from whatever source – is **key to value-based patient care**. And that means that timely and convenient transfer of imaging data is a must. CDs and DVDs provided an interim solution, but the inconveniences mount up: they are bulky, expensive, easily lost or damaged, labor-intensive and time-consuming... the list goes on.

To achieve **true enterprise imaging**, you need an unlimited, universal, streamlined solution: Enterprise Imaging Exchange.

With unlimited inbound and outbound sharing of images, universal viewing of images from inside and outside the enterprise, uploading and downloading of images – DICOM and non-DICOM data – and a web-based way to share images with patients, referring physicians and other hospitals, Agfa HealthCare Enterprise Imaging Exchange provides the enhanced image sharing you need to **improve the delivery of care while decreasing costs**.

Enhanced
image sharing





Share more, care more

No more 'information silos'! Enhanced communication along and across the care continuum **improves workflows and regional collaboration**, and Enterprise Imaging Exchange can help you achieve it. It provides easier access to and retrieval of clinical data to promote timelier, equitable, and patient-centered care. And by avoiding delays and expediting access to imaging exams, it can help **improve the patient's experience**.

Sharing images without uploading or downloading

In today's patient-centric healthcare model, collaborating with your colleagues is more important than ever. With Enterprise Imaging Exchange, images can be shared without first being entered into the PACS. You can share one image or an entire patient imaging record. And images can be sent directly from an external PACS to a temporary cache. This enhanced flexibility and usability saves time, speeds up delivery of care and helps support informed decision making.

Creating a comprehensive longitudinal record

Enterprise Imaging Exchange provides access to the patient's imaging record from any standard data source, inside or outside the hospital walls, on a single viewer. It combines longitudinal results across PACS systems and healthcare organizations – without moving the data.



Images in the EHR, for a simplified workflow

Who wouldn't want to have images available in the patient's health record? The benefits are clear: more convenient and faster image access, optimized efficiency, greater support of patient care and safety goals, greater depth of clinical information for decision making, and enhanced collaboration across departments, hospitals or regions, to name only a few. With its advanced integration, Enterprise Imaging Exchange lets you view and share images directly from within the EHR, simplifying your workflow.

Clinical networks that support value-based care

With Enterprise Imaging Exchange, you can build clinical networks that best serve specialties, and collaborate across geographical regions. Patient care is no longer limited by physical proximity; instead caregivers can reach beyond hospital walls to exchange and share medical imaging data, to provide value-based care for the patient.

Fit for special cases

Mammography or MRI trucks, remote facilities, patient transfers, Enterprise Imaging Exchange can handle them all. Mammography buses take breast imaging on the road, to reach more women; the remote images are then transferred directly to the reading facility. For smaller, remote facilities, the concept is the same: if there is no on-site radiologist, ad hoc images can be directly transferred for fast reading.

And when a trauma patient is moved from one site to another, you need the patient information and images to arrive fast. With Enterprise Imaging Exchange, the receiving team gets all the information available and can prepare to treat the patient quickly upon arrival.





Operational Benefits

Imaging and imaging systems like PACS may have started in radiology, but they have far outgrown its borders. And while radiology continues to push imaging technology, sharing and communication have lagged behind. Enterprise Imaging Exchange [helps solve the operational challenges](#) of the enterprise imaging strategy, by establishing a [secure health information exchange network](#) between collaborating health providers.

Optimized productivity at each stage of patient care

CDs/DVDs containing patient images can get lost or damaged, the image transfer process is time-consuming and labor-intensive, and the materials are expensive. With no CDs/DVDs to prepare and transport, Enterprise Imaging Exchange improves productivity all along the line: for the referring physician and for the receiving site. And the easy-to-use Enterprise Imaging XERO Viewer makes image viewing as easy for referring physicians as for radiologists: no special training is needed to use the intuitive interface.

Meeting today's mobility needs

Enterprise Imaging Exchange is ideal for use with portable media. A web page is launched at the user sending site, and DICOM data read in from a mobile device, CD, DVD, USB or even local files on the client PC. The DICOM data is then prepared and transmitted to the Agfa HealthCare Enterprise Imaging Exchange server. A web-based queue shows the status of the data transfer. Different modalities and PACS can also be configured to transmit data to the server.

Fast data transfer and efficient management

Worried about your data arriving safely and completely?

Not with Enterprise Imaging Exchange! It optimizes and compresses the DICOM data for fast transfer, encrypts it in small packages, then sends it to the server, reducing network bandwidth and transfer time. The DICOM data is prepared and transferred over secure Internet Protocol, so no VPN is needed. And data integrity checks verify that the transmitted data is secure and reliable. All of the transfers are audited according to the IHE Audit Trail and Node Authentication (ATNA) integration profile.

Convenient image storage

With Enterprise Imaging Exchange, you don't need the cloud to be able to share images remotely – the data can be stored safely on-site, in the PACS or in the Enterprise Imaging VNA. Once the transmission is finished, the job is listed as completed, and the images are either available for viewing on the destination PACS or throughout the enterprise archive.



Managing costs and care

Do more without investing more. The innovative Enterprise Imaging Exchange lets you realize the benefits of **sharing clinical information without significant technology investments**. And by promoting new relationships between the hospital and other care providers and facilities, it also **creates the potential for increased and new revenue streams**.

Minimum software downloads for quick, easy use

Enterprise Imaging Exchange works over the internet over secure Internet Protocol. Web technology minimizes the need for software downloads, making it easy for users with different systems to join the network. The onscreen interface is a user-friendly web page that doesn't require specialized skills to import or request images.

Predictable costs you can rely on

Maximize what you already have! Enterprise Imaging Exchange leverages your existing IT investments, such as the virtual infrastructure. It has a small footprint, and works with existing IT solutions and common Internet browsers. Your monthly expenses are predictable, and there is no capital outlay required. You get an unlimited volume of exchanges, with no additional charges for the sending or receiving sites.



Why Agfa HealthCare

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities like yours a seamless flow of information and a 360° view of patient care. We have a unique, holistic approach that enables us to provide in-depth clinical know-how and fully integrated hospital-wide solutions, while our long experience in radiology demonstrates our knowledge in handling images. Our strengths in image management, workflow and IT make us adaptable to today's and tomorrow's healthcare IT challenges. We offer solutions that consolidate image data communication and exchange across the enterprise, with an intelligent workflow solution.

Agfa and the Agfa rhombus are trademarks of Agfa-Gevaert N.V., Belgium, or its affiliates. XERO is a trademark of Agfa HealthCare N.V., or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement. The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications that must be met by Agfa HealthCare. All information contained herein is intended for guidance purposes only, and characteristics of the products and services described in this publication can be changed at any time without notice. Products and services may not be available for your local area. Please contact your local sales representative for availability information. Agfa HealthCare diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

© 2015 Agfa HealthCare NV
All rights reserved
Published by Agfa HealthCare NV
B-2640 Mortsel - Belgium
56RNA GB 00201509
