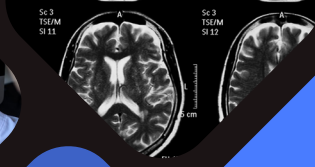
HEALTHCARE IT



ENLITIC™

Improve your data quality to improve your performance

Using advanced technology, ENDEX™ standardizes your medical imaging data by analyzing the DICOM metadata and the pixel data of the image. Then ENCOG™ uses artificial intelligence to de-identify and anonymize the pixel data, metadata, and private tags while retaining the clinical relevance.

Different descriptions for the same series:

0.5 Lung Std. Volume
Non_C
1.0 Lung Std. Volume
0.625mm Stnd
Soft Tissue
Prone HRCT
Supine HRCT
Standard

Turn into

Standardized Description

CHEST AXIAL C-LUNG THIN

Minimized Network Consumption

- Specific series routed to correct AI algorithms
- Normalized, anonymized, actionable data to database
- Specific studies routed to post processing workstation
- Studies routed to appropriate radiologist worklist

CHALLENGE 1 | Network Latency Due to Routing Large DICOM Files

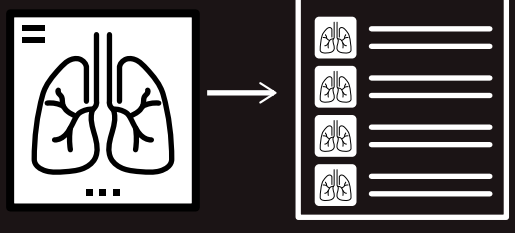
Data is routed repeatedly, consuming network capacity. Unstandardized data gets mis-routed, and resources are required to get the images to the right place.

SOLUTION | Standardized data lowers the chances of images needing to be rerouted due to incorrect or clinically irrelevant labels. Images get to their intended destination the first time without the need to intervene.

VALUE | Network traffic is improved with less consumption. IT sees an increase in workflow, and operational productivity.

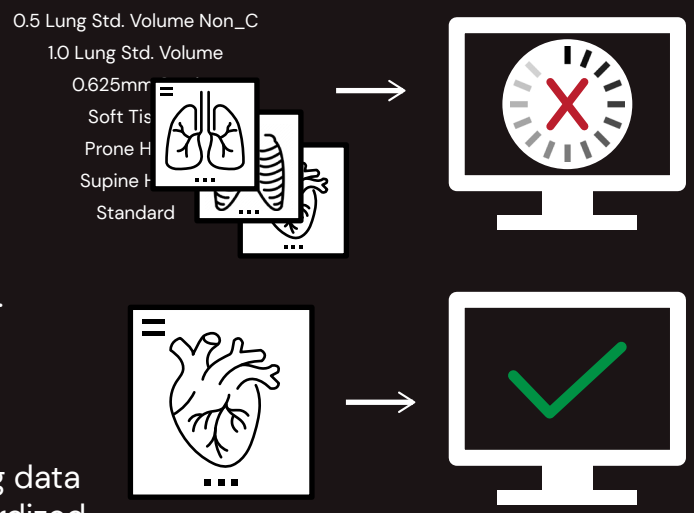
Study Routed to an Incorrect Worklist and Needing Rerouted to the Correct Worklist

Right Study Going to Right Worklist



CHALLENGE 2 | AI Orchestration Fails and Algorithms Break

Systems can't determine what series should go to the algorithm, so the entire study gets sent. Costs get accrued for failed algorithm results, time to receive AI results is long, and networks slow with massive amounts of data being sent.



SOLUTION | Standardized data allows systems and algorithms to understand the data. The right studies and series go to the AI. Processing only the series you need processed increase efficiency.

VALUE | Get better patient results by sending data to the AI you may not have sent without standardized descriptions. Save costs by only sending the right images to the algorithms and get more efficient systems.

CHALLENGE 3 | Building a RWE Database Including Medical Images is Difficult

Poor data quality hinders the ability to create the imaging aspect of a data lake or RWE database. The variety in study and series descriptions make it difficult to understand what an image is and makes the appropriate data difficult to find.

SOLUTION | Study and series descriptions are updated with accurate information. Descriptors that are clinically relevant, searchable, and provide information for analysis. Highlighting mistakes or missing information provides great QC for data quality.

Lung
0.625mm Stnd
Lung 1.0 Insp ✓
1.25mm Chest
Soft Tissue
Chest

Lung
CHEST AXIAL C- LUNG THIN ✓
CHEST AXIAL C+ LUNG THIN ✓
BRAIN AXIAL C- THICK
CERVICAL AXIAL C- BONE THIN
CHEST AXIAL C+ LUNG THIN ✓

VALUE | Analysis of medical imaging data can provide great insights into the clinical, operational, and financial aspects of the business. Additionally, healthcare systems can sell the data to earn additional revenue, and the researchers or technology companies get more valuable data.

"We are constantly evaluating products and organizations that provide greater efficiency and accuracy for our customers. Using the latest technology and resources such as ENDEX allows us to deliver these new tools more quickly to our frontline radiologists and clinicians."

-Tim Rose, Product Executive at GE Healthcare

Watch Our Demo https://enlitic.com/endex-demo/