

TELERADIOLOGY 2020

CASE STUDY: VISION RADIOLOGY

National emergency teleradiology group finds the speed and workflow efficiency they need to deliver quality patient care.

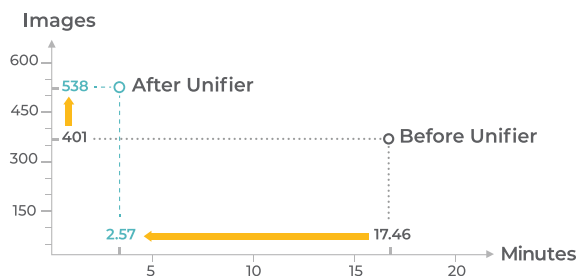
"The guiding principle behind Vision Radiology is driven by a simple, singular question, 'Is this how you want your family member treated?' From that perspective, we make clinical, business and technology decisions to support the best patient care. In the emergency setting, speed is essential and Dicom Systems helps us deliver results at much higher speeds with near-zero downtimes."

– Dr. Gautam Agrawal, co-founder and CIO, Vision Radiology

Performance Benchmarking

Before Unifier: 0.3 imgs/second, ~18 imgs/minute = 401 imgs in 17.46 minutes

After Unifier: 3 imgs/second, ~180 imgs/minute = 538 imgs in 2.57 minutes



Strategy

- Deployed Dicom Systems Enterprise Imaging Unifier platform
- Intelligent data routing across multiple sites and systems
- Parallel threading accelerates data ingestion
- Compression on the fly supports spikes in bandwidth usage
- Dicom Systems 24/7/365 availability of technical support to partner with in-house team for successful deployment

Results

3.5% READS RETURNED

BEFORE PATIENT LEAVES EXAM TABLE

15 MINUTE TURNAROUND TIME (TAT)

OR FASTER

9% READS RETURNED

BEFORE PATIENT LEAVES THE RADIOLOGY DEPT

READING FROM 14 TIME ZONES

RADIOLOGISTS CAN ACCESS STUDIES ANYTIME ANYWHERE

10X IMPROVEMENT IN DATA THROUGHPUT

ROUTE 3 IMAGES PER SECOND – BYPASS WAIT FOR DATA

Founded in 2003, Vision Radiology is based on a 'vision' for what radiology could be. The group has 53 FTE radiologists serving over 140 hospitals. Vision's core practice focuses on Emergency Teleradiology with a growing focus on non-emergent sub-specialty interpretations.