Data Migration

Reducing healthcare integration costs while increasing data quality.

eRAD's Data Migration capability simplifies the transfer of data from disparate legacy systems, while increasing the usability of that data—without the cost of third-party data migration.

PACS manipulations performed on incoming data effectively create proprietary data, and nearly every PACS vendor hides behind intellectual property arguments when refusing to disclose their Data Dictionary and Schema; both enforce the proprietary nature of their PACS. Therefore replacing one vendor's PACS with another vendor's PACS will require a time-consuming and expensive data migration.

eRAD enables better healthcare by transferring data from legacy sources while delivering data quality and liquidity. Clinical content from multiple, disparate legacy systems is reconciled to the point-of-care system—and also made available real-time during the migration. Relevant priors for the next day's appointments, and even for walk-ins, can be pulled while data is transferred, so critical medical information is unlocked and accessible immediately—without waiting for a lengthy data migration. Clinical, technical and business targets can co-exist.

Data liquidity with just-in-time migration.
Migration can be scheduled for periods of low network activity. Optimized, multi-threaded transfers can work at night even as the most relevant data is pulled for tomorrow's business. Priors for walk-ins can be pulled immediately. High volume migration can co-exist with fast study access—allowing use of the new system without an extended wait for the migration to complete before going live on the newly acquired technology.

Data coercion for clean, organized data.
Data in varying states of compliance is made usable as part of the migration process, without changing its native format. eRAD's Data Coercion forces consistency across disparate systems while maintaining data integrity.

Vendor-neutral archiving.
eRAD can migrate data from third-party legacy systems. A sophisticated rules engine means that no customization is necessary, as Boolean-based rules can be created by users. eRAD makes multiple disparate systems inter-operable.

Reduced inefficiencies and maximum inter-operability.
eRAD Services provides scripting, monitoring, server management, auditing, workflow analysis, reporting, testing and all aspects of project management for the migration. You get more than moved data; you get an efficient workflow tailored for your practice.

"eRAD offered us a simple to use, simple to implement method of getting our medical reports and images online and available to referring physicians. The solution was economical and made good business sense and we are very pleased with the outcome."

Corey Holtman
Co-Founder
Gateway Diagnostic Imaging

Under the Hood

eRAD's Data Migration services relies on flexible and powerful data coercion technology—the dynamic tag morphing and data mapping that enables reference to an internal library of PACS-specific Tags (Group, Element) during the archive's internal process of modifying a DICOM Header. This occurs in near-real-time when transmitting DICOM image data acquired on one system but destined for another.

Thus, rules and requests crafted by the user can locate accurate information. If the request is for a head CT, the appropriate exams are returned, even those labeled brain or CT head. Original data is prefixed, not edited, and so remains viable in its native format. Data coercion makes clinically useful data truly neutral—accessible by any system—and it simplifies data migration. True inter-operability can be achieved without complexity.