

Consider Image-Based Analytics as part of Your Population Health Strategy

Clinical Imaging Insight by NTT DATA

Benefits:

- Identify diseases early. Reduce costs, improve outcomes and enhance quality of life for your patients.
- Use immediately. There's no complex data integration or disease algorithm creation.
- Increase your competitive advantage. Instant access to actionable insights can improve outcomes and reduce costs of care.
- Generate revenue. Identify risk factors that increase reimbursement rates for your patients.
- Avoid capital costs. Our affordable solution is delivered as an end-to-end managed service via a secure connection.

Put population health management on the fast track

In the new risk-based reimbursement environment, undetected disease creates a significant financial risk for both payers and healthcare providers. Healthcare screening elevates those patients who may be at risk for serious health problems and complications, thus providing the best outcomes at the lowest cost. The opportunity to identify health risks and take action to prevent complications from chronic care is often overlooked with clinical imaging because of a lack of or under reporting incidental findings.

Identify patients at risk using image analytics that supports VNA or PACS workflows.

Payers will reward those who get it right and reduce reimbursements for those who don't. Many risk-stratification solutions require complicated data acquisition and integration and may lack the contribution of reliable chronic disease-screening algorithms available for medical imaging. If you don't have deep expertise in analytics, how do you get this done and reap the rewards?

Clinical Imaging Insight by NTT DATA is an on-demand, modular service that analyzes selected diagnostic studies to deliver insights into a variety of critical health conditions. The result populates reporting tools describing immediate health risk identification allowing stratification of your patient population. The imaging analytics solution works with vendor-neutral archive (VNA) or picture archiving and communication system (PACS) workflows to pre-process or post-process the studies..

Ready to use, even if you have no in-house data analytics expertise

Clinical Imaging Insight from NTT DATA begins with validation on your patient profile of data to ensure confidence in the algorithms. Once validated, the live analytics engine delivers results that become actionable insights to utilize with patients for preventative or corrective healthcare pathways instantly. Clinical Imaging Insights is affordable because of the rewards you can receive by treating chronic diseases early and the implementation is with no capital costs for hardware or software.

Value today, Prepared for the future

Our current portfolio of FDA-registered algorithms includes the detection of lung, cardiac, liver, and bone functions. That's just the beginning. Clinical Imaging Insight provides a common tool that facilitates the adoption of clinical algorithms for the detection of disease, either as a secondary finding to the primary diagnosis or as a tool for helping your clinicians focus on critical anomalies. With help from our clinical partners, we continually grow the library of automated pathways to advanced image analytics that can drive patient risk stratification and disease management for population health.

Increase the competitive value of your imaging services with AI

Diagnostic studies hold an enormous amount of untapped data beyond their primary diagnosis. Every digital image has the primary target for the study along with surrounding structure, tissue and organs. With machine vision analytics, NTT DATA provides automated screening of your images for clinical indications of possible chronic disease states and computerized measurements of critical structures. When out-of-range factors are detected, your physicians and care managers can be alerted through inputs to diagnostic reports that primary care physicians can offer to patients to pursue the appropriate follow-up and treatment. Getting ahead of health risks is a win for everyone involved — patients, providers and payers.

How it works

Clinical Imaging Insights begins with the selection and validation of algorithms of your choice. You license these algorithms through NTT DATA on our platform. The platform assures integration into the workflow within diagnostic imaging and any external analytics services. As each study is acquired, images are processed using a secure internet

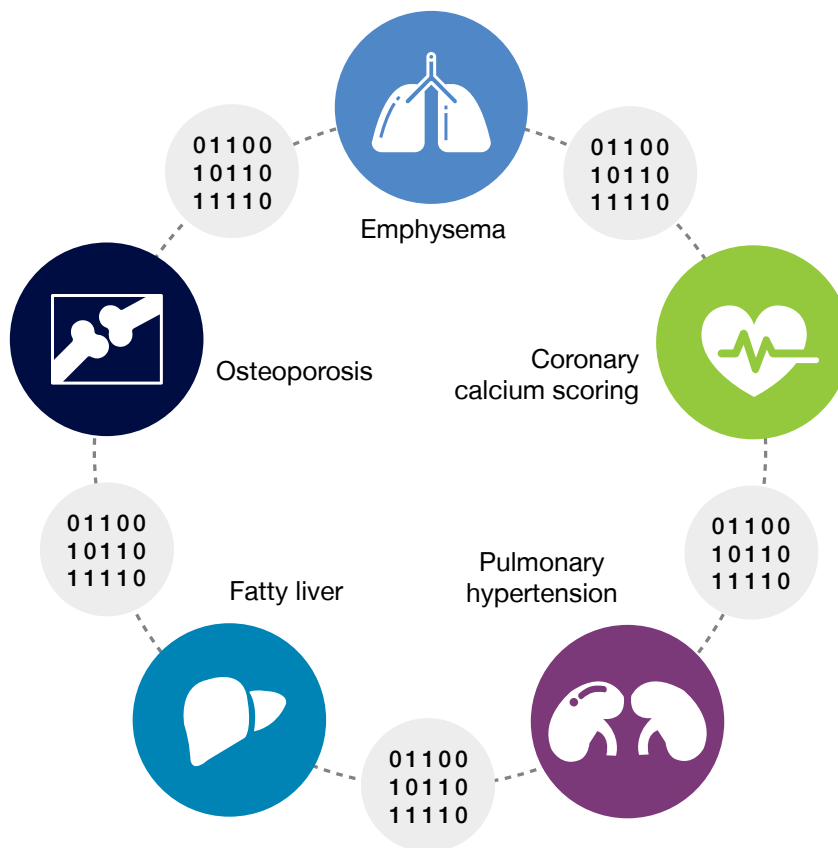


Figure 1: A future-ready platform for a growing library of tools for disease detection

connection. The overall anatomy within an imaging study is automatically evaluated using selected criteria. The solution provides clinical insights delivered with Health Level 7 (HL7) messages to destinations in your organization. Subscribers to Clinical Imaging Insights are notified as new algorithms become available in the library for evaluation. Once licensed, new processing rules are engaged and reporting can begin.

What happens as a result of the analysis?

Integrating the automated results into your clinical workflow is essential to improving outcomes. Clinical Imaging

notifications can trigger appropriate follow-up testing protocols and preventive care guidance. By including our key performance indicator dashboard for business intelligence, you can track, measure and report key metrics of flagged patients and clinical follow-up.

Contact NTT DATA to get started now

To put your population health initiatives on the fast track and get your physicians the actionable insights they need now, contact an NTT DATA representative for a no-obligation consultation and demonstration. Contact an NTT DATA expert to learn more.

Source: Healthcare Advisory Board Interviews and analysis

Visit nttdataservices.com to learn more.

NTT DATA Services partners with clients to navigate and simplify the modern complexities of business and technology, delivering the insights, solutions and outcomes that matter most. As the largest division of NTT DATA, a top 10 global business and IT services provider, we combine deep industry expertise with a comprehensive portfolio of consulting, application, infrastructure and business process services.

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