



NTT DATA

NTT DATA welcomed Dell Services into the family in 2016. Together, we offer one of the industry's most comprehensive services portfolios designed to modernize business and technology to deliver the outcomes that matter most to our clients.

Simplify Population Health Risk Identification With Image-Based Analytics

Imaging Analytics for Population Health Management by NTT DATA

NTT DATA Services
formerly Dell Services

Identify patients at risk using image analytics that work with any vendor's VNA or PACS.

your organization needs to be able to identify health risks and take action to prevent complications. And you need to do it now, because payers will reward those who get it right and reduce reimbursements for those who don't.

But many risk-identification solutions require complicated data acquisition and integration, not to mention the difficulty of creating reliable chronic disease-screening algorithms. If you don't have deep expertise in data integration and analytics, how do you get this done?

The answer is Imaging Analytics for Population Health Management by NTT DATA, an on-demand, modular solution that analyzes your selected diagnostic images to provide insights on a variety of critical health conditions. The result is immediate health risk identification and stratification of your patient population. The solution works with any vendor neutral archive (VNA) or picture archiving and communication system (PACS).

Put population health management on the fast track

In the new risk-based reimbursement environment, undetected disease creates significant financial risk for both payers and healthcare providers, and puts patients at risk for serious health problems and complications. To provide the best outcomes at the lowest cost,

Key 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.
- **Pay no capital costs** — Our affordable solution is delivered as an end-to-end managed service via a secure connection.

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

Imaging Analytics can be used immediately by any healthcare organization with an image archive. It's easy to set up and simple to use, providing reliable, actionable insights that your physicians can instantly use. And it is affordable because we offer it as an end-to-end managed service provided over a secure connection with nothing to buy — no capital costs for hardware or software.

Prepare for the future

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

Increase your competitive advantage and the value of your imaging services

Diagnostic images hold an enormous treasure trove of untapped data beyond their primary diagnosis. Every digital image shows not only the diagnostic target, but also the surrounding structure, tissue and organs. With machine vision analytics, NTT DATA Services provides automated screening of your images for clinical indications of possible chronic disease states. When signs of disease or risk for disease are detected, your physicians and care managers can be alerted and offer patients appropriate follow-up and treatment. Getting ahead of health risks is a win for everyone involved — patients, providers and payers.

How it works

You can license one or more clinical algorithms from NTT DATA. Via a secure internet connection, an imaging study is automatically evaluated using your selected criteria. If the appropriate criteria are met, the study and any associated clinical data are securely transmitted to the cloud for processing and analysis. Ultimately, the system will provide you with clinical insight, delivered as a PDF or Health Level 7 (HL7) message, to the destinations you specify, including your VNA, electronic health record or other clinical systems in your organization. You are notified of new algorithms as the library expands and, once licensed, new routing rules are engaged and reporting can begin.

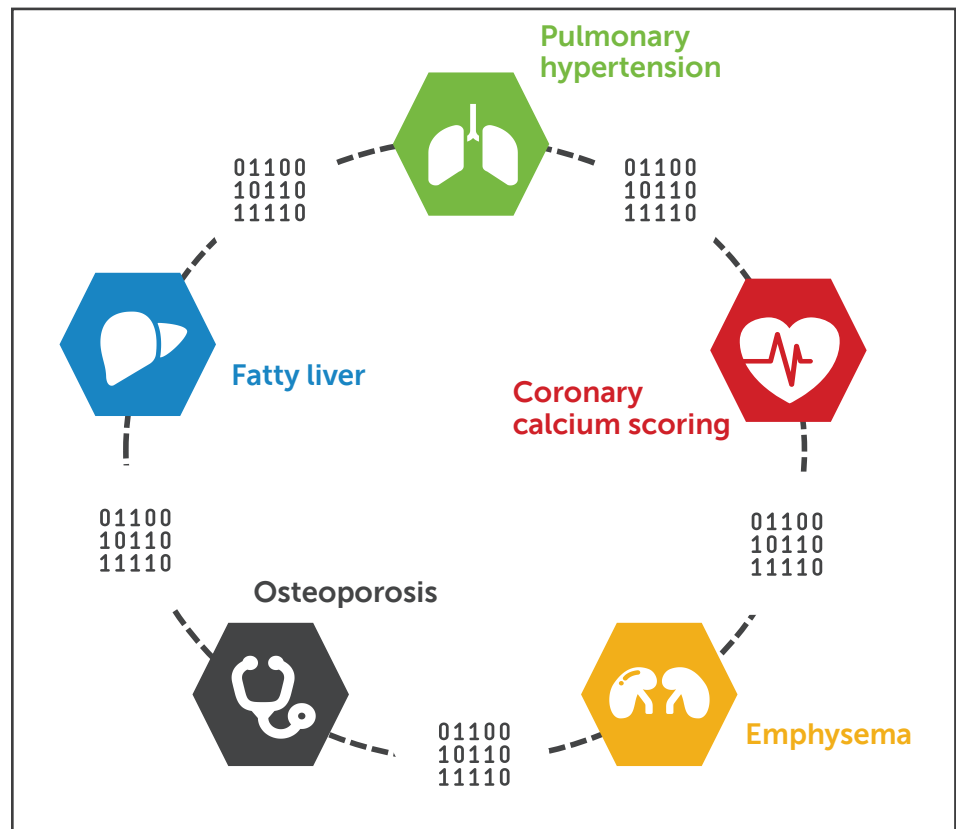
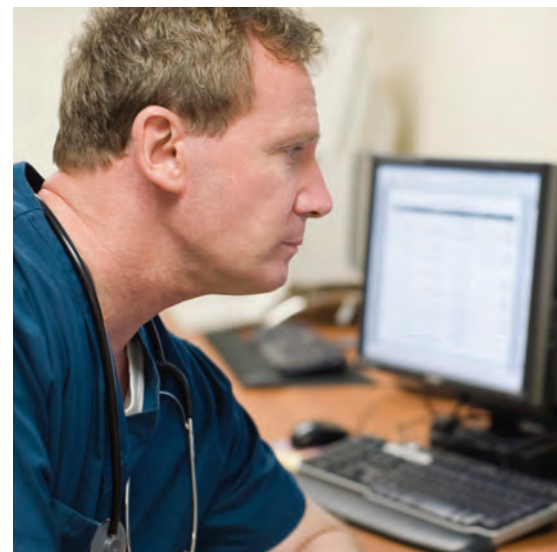


Figure 1: A future-ready platform for a growing library of tools for disease detection



What happens as a result of the analysis?

Integrating the automated results into your clinical workflow is essential to improving outcomes. Imaging Analytics 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. To learn more, contact an NTT DATA expert.

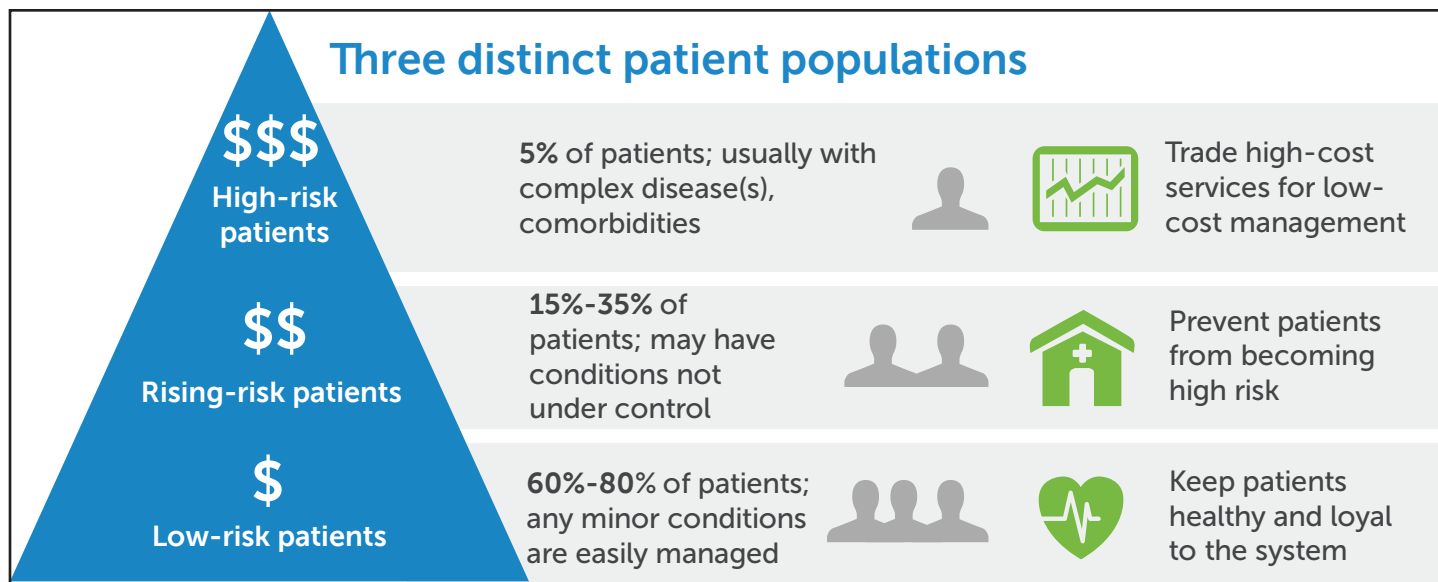


Figure 2: With no intervention, 20% of rising-risk patients will move into the high-risk category each year. This means care management efforts must focus on preventing low-risk patients from escalating over time. Risk factors, not disease states, are crucial for identifying tomorrow's high-cost patients.

Source: Healthcare Advisory Board Interviews and analysis

Source: "Healthcare Risk Adjustment and Predictive Modeling" by Ian Duncan

Visit nttdataservices.com to learn more.

NTT DATA partners with clients to navigate the modern complexities of business and technology, delivering the insights, solutions and outcomes that matter most. We're a top 10 global IT services and consulting provider that wraps deep industry expertise around a comprehensive portfolio of infrastructure, applications and business process services.

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