



## ESSENTIALS

### CHALLENGE

Healthcare organizations require enhanced tools to integrate multiple, large data sets with agile, iterative processes for more collaborative patient care delivery and clinical research.

### SOLUTION

Dell EMC Analytic Insights Module enables organizations to analyze data faster and move from discovery to actionable insights in the shortest possible time.

### BUSINESS OUTCOMES

- Improve care outcomes and patient experience
- Provide a compliant and collaborative clinical and researcher workbench, accelerating time to insights from months to weeks
- Reduce clinical research time, to move science to clinical practice
- Ensure PHI, HIPAA and HITECH compliance with end-to-end data governance

## SOLUTION OVERVIEW

# DELL EMC ANALYTIC INSIGHTS MODULE FOR HEALTHCARE

## Unlock the Value of Data Analytics for Patient Care and Clinical Research

### RAMPING UP VALUE-BASED HEALTHCARE

With the advent of value-based care, precision medicine, and pharmacogenomics, healthcare providers need more effective ways to deliver personalized patient care, while improving quality outcomes and rapidly moving science to clinical practice. To advance actionable insights on the best methods of care and disease management, and to accelerate clinical trials and protocols for translational medicine, modern data management processes are required to aggregate, manage, filter, and analyze useful, meaningful data. This means gaining enhanced analytic capabilities to derive better intelligence from the vast amounts of data residing across the continuum of care including electronic health records, medical images, pathology, clinical research studies, genomics, population health statistics and operational data.

In many cases, organizations may lack the resources and tools required by their business analyst and data science teams, clinicians, research investigators, and application developers to capitalize on predictive analytics for clinical, financial and operational improvements. This gap often leaves C-level executives unable to harness the value of data analytics to create new, innovative business models, fast-track research findings, enhance the patient experience, and ultimately, reduce costs.

Healthcare providers need a fast, easy and cost-effective solution to integrate multiple, large data sets with agile, iterative processes to uncover trends, patterns, relationships, correlations, and discoveries that can truly impact integrated patient care. At the same time, clinicians and researchers need a compliant and secure workbench that protects the security and privacy of patient data while providing full transparency across protocols, preserving data for decades.

Dell EMC Analytic Insight Modules offers the ideal solution to meet these challenges.

### TRANSFORMING DATA INTO ACTIONABLE INSIGHTS

Analytic Insights Module is delivered on Native Hybrid Cloud, a turnkey platform based on Pivotal Cloud Foundry. It is engineered to combine self-service data analytics with cloud-native application development. It provides a ready-to-deploy cloud platform that eliminates the months it would take to build your own. It provides a fully integrated platform allowing for management and preservation of structured, semi-structured, and unstructured data.

Analytic Insights Module delivers flexibility and speed, with the ability to gather data with deep awareness and rapid transformation it into actionable insights. It brings together healthcare executives, clinicians, research investigators, data analysts, application developers and IT teams. It provides each with the insights, data sources, tools and controls they need to accelerate data analytics initiatives in the new era of value-based care.

## HEALTHCARE DATA ANALYTICS USE CASES

- Genomics
- Electronic Health Records
- Population health
- Operational efficiencies
- Clinical research
- Precision Medicine
- Infrastructure and data security
- PHI, HIPAA and HITECH compliance

## IMPROVE HEALTHCARE OUTCOMES AND PATIENT EXPERIENCES

Analytic Insights Module allows organizations to gather data across the healthcare spectrum into a single organized resource. Instead of spending significant time finding, assessing, blending, and wrangling data, analysts can now focus their efforts on making predictive analytics a core organizational strategy. As a result, C-level healthcare executives and other business and clinical users can expect their analytics time to value to drop from months or years to days or just weeks.

Data analyst teams can securely share their curated data sets through the Data and Analytics Catalog with authorized stakeholders. Healthcare executives may harvest insights to create more efficient processes for patient care delivery and administration. Developers also can plug data sets directly into the application development framework in Pivotal Cloud Foundry to build data-driven applications that enhance the overall patient care experience.

## ACCELERATE PRECISION MEDICINE

By automating the lifecycle of data gathering, curation, and analysis, Analytic Insights Module enables organizations to expand their horizon of data insights. For instance, to help drive better treatment plans for disease management, providers need to gain additional insights into a much broader set of data points that integrate the patient's medical history, remote patient monitoring tools, likelihood they will follow discharge instructions, lifestyles, and demographic profiles.

## STRENGTHEN COMPLIANCE WITH STRONG GOVERNANCE

Analytic Insights Module provides self-service access to all relevant data sets across the healthcare value chain. The solution's Data Governor ensures that data is secure and compliant. It also provides end-to-end data visibility, as well as traceability to identify the original data source and everywhere that particular data travels.

Data Governor enables IT to define and enforce data security policies and user access controls. This control helps reduce the number of records at risk by up to 90 percent. Such strict governance is central to patient privacy and HIPAA compliance.

## GET STARTED NOW

Dell EMC Services offers a portfolio of consulting engagements to accelerate your data analytics initiatives. Two consulting services, Analytic Insights Module Software Installation and Analytic Insights Module Use Case Implementation are available to support and extend the value of the platform. Many customers start with our Big Data Vision Workshop to quickly identify their best data-driven use cases. We can also help enact your plans by developing your Big Data architecture, surfacing data insights, developing and implementing analytics solutions into production, and operating your Big Data environment.

Contact your Dell EMC sales representative to learn more about Analytic Insights Module and how it can benefit your organization.

## CONTACT US

To learn more, contact your local representative or authorized reseller.



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