

Diagnosoft®

# FUSION

Clinical analytics for knowledge-based care

**Empowering  
personalized care**



*The future of intelligent care*

CLINICAL  
ANALYTICS

PREDICTIVE

QUALITY CARE

THERAPEUTIC

SIGNALS

INSIGHTS

ACCOUNTABLE CARE



## Diagnosoft® FUSION Clinical analytics for knowledge-based care

Healthcare organizations today are awash with patient data, steadily streaming through EHRs and other hospital information systems. Yet despite all the expectations, the great potential of all this electronic patient data to help caregivers readily assess and improve care quality and outcomes has not been realized.

The reason? Electronic patient data remains fragmented among the disparate healthcare information systems. As a result, clinicians lack efficient and easy access to a single source of comprehensive and actionable patient-centric information. Having a single source of meaningful clinical patient information is critical in supporting a unified approach to the delivery of quality, safe and affordable patient care.

### Welcome to Diagnosoft® FUSION, and the future of intelligent, personalized care

Diagnosoft FUSION is a unique, state-of-the-art clinical analytics and knowledge support system. Utilizing Diagnosoft® OMNEA – Diagnosoft’s enterprise middleware system – Diagnosoft FUSION aggregates patient-specific data from relevant health information systems then analyzes the data and meaningfully presents it to clinicians. Diagnosoft FUSION displays longitudinal patient clinical data, and evidence-based perspective and data correlation, as well as real-time surveillance and insights of each patient’s current clinical condition and health status.

Designed with direct input from clinicians, Diagnosoft FUSION enables healthcare providers to leverage actionable patient data to support informed and proactive clinical and therapeutic decisions — decisions that can directly enhance care quality and patient outcomes.

### Meaningful, relevant and actionable patient data readily accessible when clinicians need it

To positively affect the quality and outcomes of patient care, clinical data needs to be readily accessible, expertly organized, and it must seamlessly fit within clinicians’ workflow. Throughout the continuum of care, Diagnosoft FUSION allows clinicians to view meaningful patient-specific diagnostic and care data on demand. The patient data is intelligently extracted, analyzed and presented.

Through Diagnosoft FUSION’s active care monitoring, proactive and user-configurable clinical risk factors and signals are automatically presented when changes in a patient’s conditions are detected. Diagnosoft FUSION’s clinical intelligence engine empowers and facilitates immediate intervention by clinicians, helping to prevent and limit the impact of potential adverse events and changes in the patient’s health status.

### An advanced clinical intelligence and insights engine, coupled with a user interface designed to complement clinician workflow

With Diagnosoft® FUSION’s insight engine, patient data is analyzed utilizing configurable clinical algorithms. The results are organized and presented so clinicians can immediately recognize the significance and impact of all patient information.

Diagnosoft FUSION supports prioritization of patient care since higher-acuity patients are highlighted for more urgent attention. Other dynamic visual tools, including graphs and color-coded tabs and symbols, allow clinicians to rapidly evaluate a wide range of clinical values, signals, and predictive indicators that reflect changes to the patients’ condition, and point to upcoming care requirements.

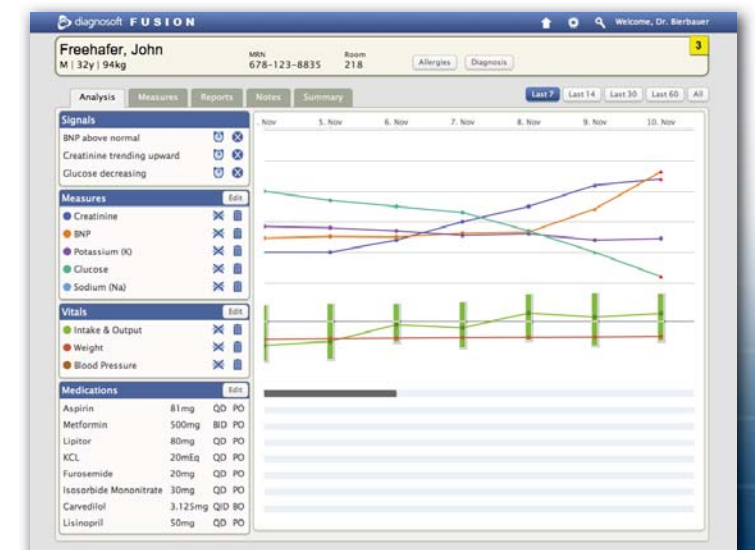
Diagnosoft FUSION’s flexibility enables clinical specialists and sub-specialists to track and monitor the highly specific patient care and disease indicators within their particular clinical domains.

### One convenient solution to view comprehensive, longitudinal and real-time patient-centric clinical data

With Diagnosoft FUSION’s comprehensive views of clinical patient data, caregivers have a more informed presentation of each patient’s disease status, risk signals and alerts, medications, laboratory values, and other user-configurable clinical insights.

Because all patient care events, test results, patient assessments and other vital medical indicators are updated in Diagnosoft FUSION in real time, clinicians have access to the latest, most accurate and most complete correlated and analyzed patient data, anytime and anywhere.

This improved awareness supports rapid responses to changes in patient status as well as proactive care that can prevent or inhibit the progression of disease and medical complications. Responsive, accountable and proactive care improves patients safety and quality of life, and reduces costs through more efficient decision-making capabilities and streamlined clinical workflow.



*Dynamic and patient-centric view of clinical signals along with correlated, longitudinal and real-time clinical data*



*Diagnosoft® FUSION supports prioritizing of patient care with higher acuity patients highlighted*

KNOWLEDGE

## A patient care solution for performance-based healthcare

Healthcare today relies upon pay for performance, value-based purchasing and quality-of-care measurements, which are forcing healthcare organizations to document improvements in delivery of quality and safe care.

As a patient-centric clinical analytics and knowledge support solution, Diagnosoft® FUSION positions healthcare organizations to meet and exceed these performance standards and regulatory requirements. For instance:

Diagnosoft FUSION can automate the capture, extraction and reporting of data required for industry quality measures, such as Medicare Core Measures, The Joint Commission's Core Measure Sets, the Healthcare Effectiveness Data and Information Set (HEDIS) and the Physician Quality Reporting Initiative (PQRI).

Diagnosoft FUSION can address federal requirements, through the HITECH Act, that will compel healthcare providers to improve their use of EMRs. Starting in 2014, healthcare organizations will face financial penalties under the Centers for Medicare and Medicaid if they do not meet the guidelines of EMR use. In addition, the government may soon require healthcare organizations to record longitudinal care plans for patients with high-priority health conditions.

### About Diagnosoft® OMNEA

Diagnosoft OMNEA is Diagnosoft's enterprise connectivity middleware platform, ensuring that all current and future Diagnosoft products meet IDN's and hospitals requirements for interoperability .

*According to the Institute of Medicine, lack of timely, accurate information and fragmented systems are contributing to the alarmingly high levels of medical errors in the U.S.*

### About Diagnosoft®

Diagnosoft develops enterprise software solutions and services that enable healthcare organizations, physicians and providers to take a more proactive, interactive and integrated approach to cardiovascular care and wellness.

Diagnosoft® FUSION, a state-of-the-art clinical analytics and knowledge support system, provides clinicians with access to aggregated and analyzed, longitudinal and real-time clinical patient data. Diagnosoft FUSION's Clinical intelligence and Insight Engine continuously monitors, sorts and displays pertinent, configurable, and actionable patient data and provides caregivers with personalized clinical signals about the patient's health status.

Diagnosoft VIRTUE, the industry's leading cardiac MRI quantification software, delivers unmatched detail and analysis of regional heart function, empowering early detection, accurate diagnosis and more effective treatment of heart disease and abnormality.

For more information, visit [diagnosoft.com](http://diagnosoft.com).

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