



# AMITECH

## WHITE PAPER

### Clinical Analytics



# CLINICAL ANALYTICS

## DATA FOG

Each day, massive amounts of consumer data is being collected from a variety of structured and unstructured resources. Through insurance claims, social media, wearable devices, physician notes and patient scans the amount of data for each patient is accumulating at a rate of 80MB per patient, per year. Unfortunately, more data doesn't always mean more clarity. As the data becomes bigger and more available organizations must be able to see through the increasing density of this Data Fog to find the needed information and act on it.

## THE INDUSTRY

Currently, very little of the richest data collected about patients actually makes it into a structured form in our electronic medical records (EMR) and clinical data warehouses. The effective management and use of this data from monitoring devices, wearable devices, and physician notes is a requirement for healthcare providers who want to deliver a better patient experience and higher quality care while reducing costs.

In both private systems and in the Medicare realm there is increasing pressure to reduce the length of stay and lower readmission rates. In this outcome-based care system, providers strive to make the patient as healthy as possible in the shortest amount of time while eliminating possibility of readmission and the potential penalties that come along with it.

## HOW WE DO IT

Amitech has the leadership and change management experience to guide healthcare systems through the strategic, technical and organizational change required to turn data into a differentiator.

We use an iterative process working with our clients to co-create a clinical analytics strategy that accomplishes business outcomes and leads to reduced costs and better patient experience.

The process begins by assessing each organization's unique business objectives and situation. These business outcomes could include better management of supply chain, reduced readmission rates, reduction in length of patient stay or any number of challenges that are facing healthcare systems today.



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## CLINICAL ANALYTICS

Amitech helps stakeholders to understand these objectives in actionable terms, and develop a comprehensive and aligned clinical analytics strategy. Next, we look at the available data and assess the relevant quality of that data. Once we have established a baseline using the best data available, we work in conjunction with our clients to build a data model and corresponding technology solution, leveraging partners, statisticians and existing tools. When putting that model into action, Amitech leverages our change management philosophy to ensure clients realize valuable outcomes. Once our model has been implemented, we monitor outcomes to measure the real value of changed behaviors. If the client hasn't been able to move the needle on their objectives, our project hasn't been successful.

By constantly reviewing and tweaking the resulting models and processes Amitech works with your team to deliver a comprehensive data analytics solution for your organization.

### About Us

As a leading healthcare analytics and strategy consulting firm, we guide our clients by focusing on the most innovative approaches to data analysis in healthcare to discover insights for healthcare systems and insurers. We believe in change. We believe in data. We can help you use data to change and ultimately lower costs, improve quality of care and achieve better business outcomes. Amitech is based in St. Louis and has more than two decades of experience as well as industry-leading talent in the business analytics, information management, strategy consulting, population health, clinical analytics, care management, digital health and big data fields.



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