

# CitiusTech Predictive Analytics Solutions



## CitiusTech Predictive Analytics: Overview

With access to massive volumes of structured and unstructured healthcare data, healthcare organizations can leverage predictive analytics, to enhance clinical and operational performance, improve quality and transform healthcare outcomes. CitiusTech's Predictive Analytics solutions can help organizations optimize operational costs and resources to generate additional revenues, drive maintenance schedules and improve customer satisfaction.

Provider	Payer	Life Sciences
Outcomes & Quality of Care	Claims Analytics	Translational Informatics
Care Delivery Process	Member Management	Public Health Informatics
RCM Analytics	Provider Performance	REMS Analytics
Readmission Management	Fraud Detection	Consumer Health Informatics
Operations Management	Risk Adjustment	Recruitment & Retention

### Predictive Analytics Across Industries

## Key Offerings

### Clinical Analytics

- Early diagnosis and disease prevention
- Identification of patient risk and re-admission analysis
- Episode-of-care analysis
- Critical disease probability & mortality

### Operational Analytics

- Worklist prioritization that allows for triaging and faster diagnosis
- Predictive maintenance of medical devices, enabling minimum equipment downtime
- Actual episode-to-date versus budgeted payments
- Case volume, staff utilization, patient load predictions to optimize resources

## CitiusTech: Intelligent Adaptive Monitoring

Our **Intelligent Adaptive Monitoring (IAM)** solution addresses a key use case for med device entities which need to augment their remote device management solutions. It provides AI/ML algorithms that complement traditional rules-based device monitoring to effectively detect and flag anomalies. Highlights of the IAM solution are:

- **IoMT** enabled, cloud-based reference architecture
- **Seamlessly embeds** into existing monitoring solutions, dashboards, architectures & processes across stakeholders
- **Human-in-loop learning:** Expert feedback looped back into the model training

IAM enables medical device companies to proactively identify potential device faults or failure, deploy their maintenance services more effectively and ensure high availability of devices.

## Customer Value

- Outcome-driven monitoring for improved clinical quality and outcomes
- Avoidance of resource crunches and reduction in healthcare costs
- Improved customer satisfaction by reducing potential downtime and minimizing adverse events
- Better operational efficiency by tracking accurate and real-time data
- Improved compliance to BPCI-A\*
- Accurate assessments and projections around SCM and inventory costs (lower financial risks)

## About CitiusTech

CitiusTech ([www.citiustech.com](http://www.citiustech.com)) is a leading provider of healthcare technology services, solutions and platforms to over 130 organizations across the payer, provider, medical technology and life sciences markets. With over 5,000 technology professionals worldwide, CitiusTech powers healthcare digital transformation through next-generation technologies, solutions and accelerators. Key focus areas include healthcare interoperability & data management, quality & performance analytics, value-based care, omni-channel member experience, connected health, virtual care coordination & delivery, personalized medicine and population health management. CitiusTech has two subsidiaries, FluidEdge Consulting ([www.fluidedgeconsulting.com](http://www.fluidedgeconsulting.com)) and SDLC Partners ([www.sdldapartners.com](http://www.sdldapartners.com)), with deep expertise in healthcare consulting and payer technologies, respectively. CitiusTech's cutting-edge technology expertise, deep healthcare domain expertise and a strong focus on digital transformation enables healthcare organizations to reinvent themselves to deliver better outcomes, accelerate growth, drive efficiencies, and ultimately make a meaningful impact to patients.

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