

CitiusTech AI-Assisted Health Solutions



CitiusTech AI-Assisted Health: Overview

With growing focus on value-based care and increasing care volumes, healthcare systems are significantly challenged without technology leverage. This is the reason there has been an exponential growth in AI – to enhance and augment diagnosis, clinical decision support, treatment planning and population health management.

CitiusTech's end-to-end approach to AI engineering brings together AI experts, healthcare SMEs and technology professionals under blended teams, enabling healthcare organizations to address specific AI needs – from inception to operationalization.

Our AI capabilities are underscored by an extensive suite of proprietary accelerators that help enhance model performance, security and project efficiencies. Key accelerators include:

- **Data Deidentification** accelerator using Safe Harbor or Expert Determination methods
- **CIX NLP** accelerator for auto-identification of procedures, diagnoses, medications etc. from free text such as clinical notes
- **MLOps** accelerator for rapid upgrades to existing models, enabling real-time feedback loops and evolving performance

Key Offerings

AI/ML Model development

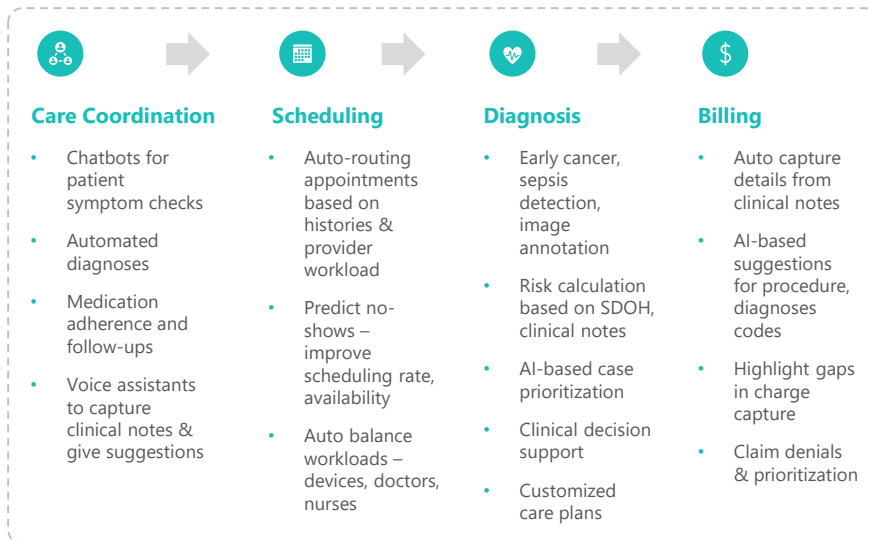
Unlock key innovation use cases:

- Auto workload assignments
- Predict no-shows
- AI-assisted ePA, eBV
- Early illness detection & prognosis
- Risk calculation, case prioritization & CDS
- Customized care plans, precision medicine,
- Automated charge capture
- AI-suggested procedure, diagnoses codes
- Claim denials & prioritization

NLP-Integrated Workflows

Leverage NLP frameworks like cTAKES and cloud platforms like Azure, AWS, to develop smart search, chatbots, voice assistants, sentiment analyses for mental health and other use cases

Model Operationalization & MLOps



CitiusTech: AI Operationalization Across the Care Continuum

Customer Value

- Faster time-to-care & improved patient outcomes
- Better provider productivity & satisfaction
- Accurate diagnoses & reduced mortality & readmission rates
- Optimal inventory utilization & replenishment
- Improved cash flow with accurate charge capture & reduced claim denials
- Reduced operational costs associated with scheduling & worklist prioritization

About CitiusTech

CitiusTech (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) and SDLC Partners (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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