

HEALTHCARE & PHARMA OVERVIEW

Driving Operational Transformation in Healthcare with AI

Healthcare organizations are at a critical inflection point, facing fragmented payer workflows, operational inefficiencies, and growing demands on care and research delivery. By harnessing AI-powered solutions with a focus on near-term impact and long-term transformation, leaders can reimagine the healthcare ecosystem—automating with precision, scaling capacity, improving margins, and delivering a seamless, human-centered experience for every patient.

COMMON AI USE CASES IN HEALTHCARE



Claims Denial Resolution

Automate claims triage and route to minimize appeals and increase STAR ratings.



Prior Authorization Triage

Categorize requests and flag issues to speed care.



Staff Scheduling Optimization

Auto-assign staff with digital agents to alleviate capacity challenges.



Intake Document Digitization

Transform paperwork into searchable data for better insights.



Clinical Trial Assistance

Improve trial efficiency by summarizing documents using LLMs.



Regulatory Compliance Automation

Automate manual processes to help meet HIPAA, GDPR compliance.

ADITI'S DIGITAL ENGINEERING SERVICES FOR HEALTHCARE & PHARMA LEADERS



AI + Automation

Streamline claims processing, patient access, and trials with intelligent automation.



Application Modernization

Modernize payer and provider cores into API-first, event-driven systems that accelerate care and compliance.



Data + Analytics

Leverage AI and data-driven insights to improve care delivery and outcomes.



Cloud + Infrastructure

Enable secure-scalable platforms to support interoperability and collaboration.

Ask us how we can automate your most costly manual workflows - from claims to clinical trials.

In healthcare, digital transformation is no longer a distant goal—it's a mandate for measurable, sustained impact. Leaders are looking for AI-powered solutions that address immediate operational challenges while building long-term value. The following priority use cases showcase where intelligent, scalable solutions are already delivering against mission-critical KPIs—driving cost efficiency, ensuring compliance, boosting STAR ratings, enhancing care quality, and accelerating R&D breakthroughs.

PRIORITY USE CASES WITH MEASURABLE OUTCOMES

Use Case	Business Impact	Target Segment	Tools & Tech
Claims Denial Resolution	↓ Rework time, ↑ STAR responsiveness	Payer	Textract, LangChain, Agent Queues
Prior Authorization Triage	↓ Manual processing, ↑ Approval speed	Payer	LLM APIs, Copilot Studio
Risk Adjustment Support	↑ RAF scores, ↓ missed diagnoses	Payer	NLP, predictive analytics
Staff Scheduling Optimization	↓ Admin time, ↑ Clinician efficiency	Provider	AI-based scheduling, CrewAI
Clinical Documentation Agent	↓ Physician burnout, ↑ Documentation accuracy	Provider	OCR, LangChain, Retrieval Models
Trial Document Summarization	↓ Regulatory lag, ↑ Submission accuracy	Pharma	LLM, OCR, Search Pipelines
R&D Data Integration	↑ Collaboration, ↓ Redundant work	Pharma	Cloud-native apps, LlamaIndex

ADDRESSING SECTOR-SPECIFIC CHALLENGES

Payers	Providers	Pharmaceuticals
Escalating claims denial backlogs and prolonged appeal cycles	Rising staff burnout driven by heavy administrative workloads	Delays in processing and analyzing clinical trial data
Mounting pressure to improve STAR ratings and CAHPS performance	Persistent bottlenecks in clinical documentation	Fragmented and disconnected research data environments
Lost revenue from incomplete or inaccurate RAF capture	Inefficient care coordination across teams and systems	Time-intensive regulatory documentation and submission processes

Across all segments, the opportunity lies in replacing fragmented workflows with agent-driven orchestration and AI-powered automation—creating connected, intelligent systems that drive measurable improvements in efficiency, accuracy, and outcomes.



HOW WE DELIVER TRANSFORMATION



AI + Automation

Reimagine claims, scheduling, documentation, and trial operations with AI agents and intelligent automation—streamlining workflows, reducing costs, and elevating the experience for patients, providers, and researchers.



Application Modernization

Transform legacy systems into agile, cloud-native platforms that improve efficiency, enhance interoperability, and adapt to the evolving demands of healthcare and life sciences.



Data + Analytics

Leverage real-time analytics, predictive modeling, and LLM-powered insights to drive smarter decisions in care delivery, research innovation, and financial performance.



Cloud + Infrastructure

Design scalable, secure, and compliant environments built for digital-first healthcare delivery and collaborative pharmaceutical innovation.



Managed Support

Safeguard and optimize your most critical digital assets with 24/7 IT performance, compliance, and security—ensuring uninterrupted operations and peace of mind.

Let's start where it matters most: clearing your operational backlog.

With AI-powered acceleration, we can transform claims, documentation, or trial workflows in under 30 days—delivering measurable results from day one.

CONTACT US NOW

ADITI
CONSULTING

Aditi is a leading digital engineering services company. We partner with established and emerging enterprises by leveraging borderless talent across three continents to achieve transformative outcomes that will reshape their trajectory. We lead and support our clients' efforts to design, build, and operate the products, systems, and processes required to deliver impact by leveraging deep insights, practical knowledge, and human spirit.

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