



AI-FIRST MODERNIZATION FOR PATIENT-FIRST CARE

Balancing Innovation and Compliance in Healthcare Transformation

What Healthcare Leaders Have Achieved with Us:

3x improvement in query handling with an AI-powered chatbot

Enhanced compliance and transparency with a trustworthy AI governance framework

40% faster patient record access through AS/400 modernization

Our Healthcare Services

Modernizing Healthcare with Strategy, Technology, and Measurable Outcomes



IT Strategy & Planning

Align your healthcare goals with future-ready IT strategies, transformation roadmaps, and governance frameworks that accelerate time-to-value.



Care Delivery Modernization

Strengthen care delivery with RCM optimization, improving revenue capture, preventing denials, and enabling real-time utilization tracking based on provider performance.



Payer & Claims Transformation

Modernize the claims lifecycle with AI-powered adjudication, real-time revenue cycle visibility, automated prior authorizations, and fraud prevention.



Pharmacy & Ecosystem Platforms

Streamline pharmacy operations with PBM modernization, compliance-ready chain management, EDI integration, and secure health data marketplaces.



Data, AI & Compliance

Unlock secure, compliant insights with predictive analytics, GenAI clinical documentation, HL7/FHIR interoperability, and HIPAA/HITECH governance.

Our Healthcare Solutions

Empowering Providers, Payers, PBMs, and HealthTech Innovators with Agile, Human-Centered AI Solutions



Member Portal

Put members in control of their care with self-service scheduling, claims and benefits tracking, and secure communication channels.



Provider Portal

Leverage integrated RCM dashboards to deliver cost comparison, provider benchmarking, and utilization insights for improved financial performance.



Intelligent Telehealth Platform

Enable seamless virtual consultations with integrated EHR access, device integration for real-time vitals, and HIPAA compliance.



EMR/EHR Optimization

Modernize EMRs/EHRs with cloud-native architecture, advanced reporting, secure communication, and AI-driven anomaly detection.



Claims Optimization

Accelerate claim processing with predictive analytics, NLP-based adjudication, and fraud detection.

AI Accelerators

Precision AI Accelerators for Every Segment of Healthcare

Hospitals

- **Clinical Documentation Copilots:** Reduce note time and enhance coding accuracy.
- **LOS/Readmission Prediction:** Early detection and triage using predictive ML.
- **Radiology Triage & QA:** Vision-based quality checks reduce diagnostic errors.
- **Prior Auth Automation:** Cut wait time and manual intervention.
- **Utilization Management:** Track KPIs to cut unnecessary admissions, optimize LOS, and benchmark cost per case.

KPIs: Reduction in Note Time and LOS, Higher Imaging throughput, Minimized Denials, Improved Utilization Efficiency

Regional Health Systems

- **Care Gap Closure:** AI agents identify gaps, automate outreach.
- **Population Risk Scoring:** Predictive analytics for targeted interventions.
- **Patient Engagement Bots:** 24/7 support to improve access and adherence.
- **Network-wide CDI/HCC Optimization:** LLM-based coding support.
- **RCM-Driven Insights:** Improve claims yield, enable provider cost comparison, and enhance resource utilization.

KPIs: Higher Rate of Care Gap Closure, Reduced Readmissions, Improved STARS/HEDIS, Higher Retention, Better Financial Efficiency

National Payers

- **Claims Adjudication Modernization:** Agentic workflows for streamlined processing.
- **Fraud Detection:** Graph + tabular ML to flag anomalies.
- **Case Summarization Copilots:** Speed up appeals and reviews.
- **Member Contact Center Copilots:** Handle benefits, status queries, routing.
- **Prior Auth Automation:** Transaction automation and necessity checks.

KPIs: Reduced Claims Cycle Time & OPEX

Pharmacy Benefit Managers

- **Predictive Adherence:** Identify at-risk patients before therapy drop-off.
- **RAG on Drug Databases:** Fast access to regulatory and formulary info.
- **Agentic Workflow:** Automate benefit checks, PA, scheduling.
- **Time-Series Forecasting:** Inventory planning, trend detection.

KPIs: Higher Adherence (PDC), Reduced ADEs, Minimized Drop-Offs, Lesser Stockouts & Wastage

Life Sciences Research

- **Drug Discovery Acceleration:** Model-based compound matching and analysis.
- **Clinical Trial Optimization:** AI site selection, enrolment tracking.
- **Regulatory Compliance:** Auto-tracking for submissions, label updates.
- **Pharmacovigilance Automation:** Adverse event (AE) triage, NLP routing.
- **Manufacturing Efficiency:** Time-series and anomaly detection models.

KPIs: High Enrolment Rates, Low Submission Time, Higher Throughput

Proof of Success: Client Stories



Patient Engagement at Scale

A healthcare organization implemented an AI-powered chatbot to manage patient inquiries. The result was a 30% reduction in turnaround time and a significant boost in CSAT scores.



Modernizing Legacy Systems

By modernizing an AS/400-based patient record system, a healthcare company reduced record retrieval time by 40%, enabling clinicians to make faster, data-driven decisions.



AI Governance in Action

A leading healthcare provider adopted Damco's trustworthy AI framework, resulting in a 25% reduction in compliance overhead, and the redeployment of 15 FTEs to higher-value care initiatives.



Pharmacy Benefit Management System Modernization

By modernizing a legacy pharmacy benefit claim adjudication system for a healthcare provider with .NET Core and Azure cloud, we improved system response time significantly, enabled concurrent user support, and streamlined data integration with Kafka middleware, resulting in faster claim processing.



Telemedicine Platform Development

A healthcare service provider launched a microservices-based telemedicine platform with multi-portal access, enhancing patient convenience, improving appointment management, enabling secure health data exchange, and boosting provider revenue through digital channel optimization.

Why Damco

Damco Solutions is a trusted partner for healthcare organizations seeking to modernize with speed, compliance, and impact.



Outcome-Focused Strategy:

We start with measurable impact metrics, not just tools.



Responsible AI Leadership:

Governance, explainability, and trust-first architecture built into every solution.



Rapid Innovation with Accelerators:

MVPs delivered 50–70% faster with RAPIDIT™ and IDP+, significantly ahead of the industry, which is 30–40% slower.



U.S. Healthcare Expertise:

Deep understanding of payer, provider, PBM, and life sciences ecosystems.



Full-Stack Capabilities:

From consulting to implementation, powered by cloud, AI, RPA, and GenAI.



Robust Delivery:

50+ AI consultants, 60+ projects, \$1M+ invested in frameworks for fast, global, outcome-driven delivery.



Strong Strategic Partnerships:


Long-term alliances with top hyperscalers like Microsoft, AWS, Salesforce, and Google.






About Damco

Founded in 1996, Damco Solutions is a trusted technology partner for businesses from different industry verticals across the world. With three decades of technology experience combined with immaculate execution capabilities and an unwavering focus on customer success, Damco has empowered businesses ranging from startups to Fortune 500 clients with its tech-integrated solutions. Headquartered in Plainsboro, New Jersey, Damco is supported by multiple state-of-the-art global delivery centers located in the USA, UK, UAE, Luxembourg, and India.

Damco Solutions Inc.

 101 Morgan Lane, Suite # 205, Plainsboro NJ 08536, USA

 +1 609 632 0350  info@damcogroup.com  www.damcogroup.com

USA | UK | UAE | Luxembourg | India