

Mazik Global's Fabric Data Solution and Generative AI for Healthcare

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By leveraging Microsoft's unified, AI-powered data platform, Mazik Global empowers healthcare organizations to seamlessly integrate, manage, and analyze data across systems—enabling a single source of truth that supports actionable insights, operational efficiency, and improved patient outcomes.

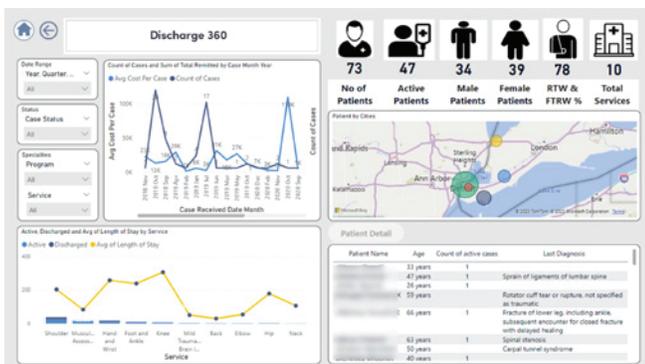
Transforming Healthcare Data into Intelligence

Built on Microsoft Fabric and integrated with Azure OpenAI, our solution enables real-time FHIR data ingestion from any Electronic Medical Records (EMR) system. Data from both EMR and non-EMR sources is standardized into the FHIR format and stored in a centralized data lake, where it can be used for advanced analytics and AI modeling.

Our platform supports:

- Predictive care planning, tailored to individual patients
- AI-powered provider performance comparison across metrics such as diagnosis, service, return-to-work percentages, and length of stay
- Clinical and pathology data summarization through Microsoft's Text Analytics for Health
- Interactive Power BI dashboards for intuitive visualizations and business intelligence

These capabilities enable organizations to identify key factors influencing patient outcomes and implement anticipatory strategies that reduce wait times, improve care delivery, and increase satisfaction.





Mazik Global's Fabric & Generative AI for Healthcare Solution Includes:

- Identify and prioritize use cases to enhance patient outcomes
- Assess current IT landscape and design modern architecture using Microsoft technologies
- Deploy and configure Azure resources for secure data extraction from EMR and non-EMR systems
- Map and convert non-FHIR compliant data into standardized FHIR format
- Develop robust data transformation pipelines for EMR data normalization
- Implement Azure Form Recognizer for automated data extraction from patient documents
- Configure Text Analytics for Health for advanced medical text interpretation
- Generate patient clinical summaries automatically using Azure AI
- Deliver 5 Power BI dashboards for actionable insights into patient outcomes, provider effectiveness, and cost of care

Key Features & Benefits

- Holistic document processing for clinical summaries and pathology reports
- Predictive care plan generation with up to 90% accuracy using AI models
- Comprehensive provider comparison across cost, diagnosis, and outcomes
- Identification of key indicators affecting return-to-work rates
- AI-enabled clinical summaries without manual intervention
- Seamless EMR integration across various platforms using rapid connectors
- One centralized data lake for advanced analytics and machine learning
- Enhanced patient care through reduced wait times and personalized treatment planning

At Mazik Global, we go beyond traditional analytics. By integrating generative AI with Microsoft Fabric, we accelerate the transformation of healthcare data into insightful, secure, and scalable solutions that drive better outcomes for both patients and providers. Our platform centralizes and harmonizes your data to empower predictive intelligence—revolutionizing the way care is delivered.