

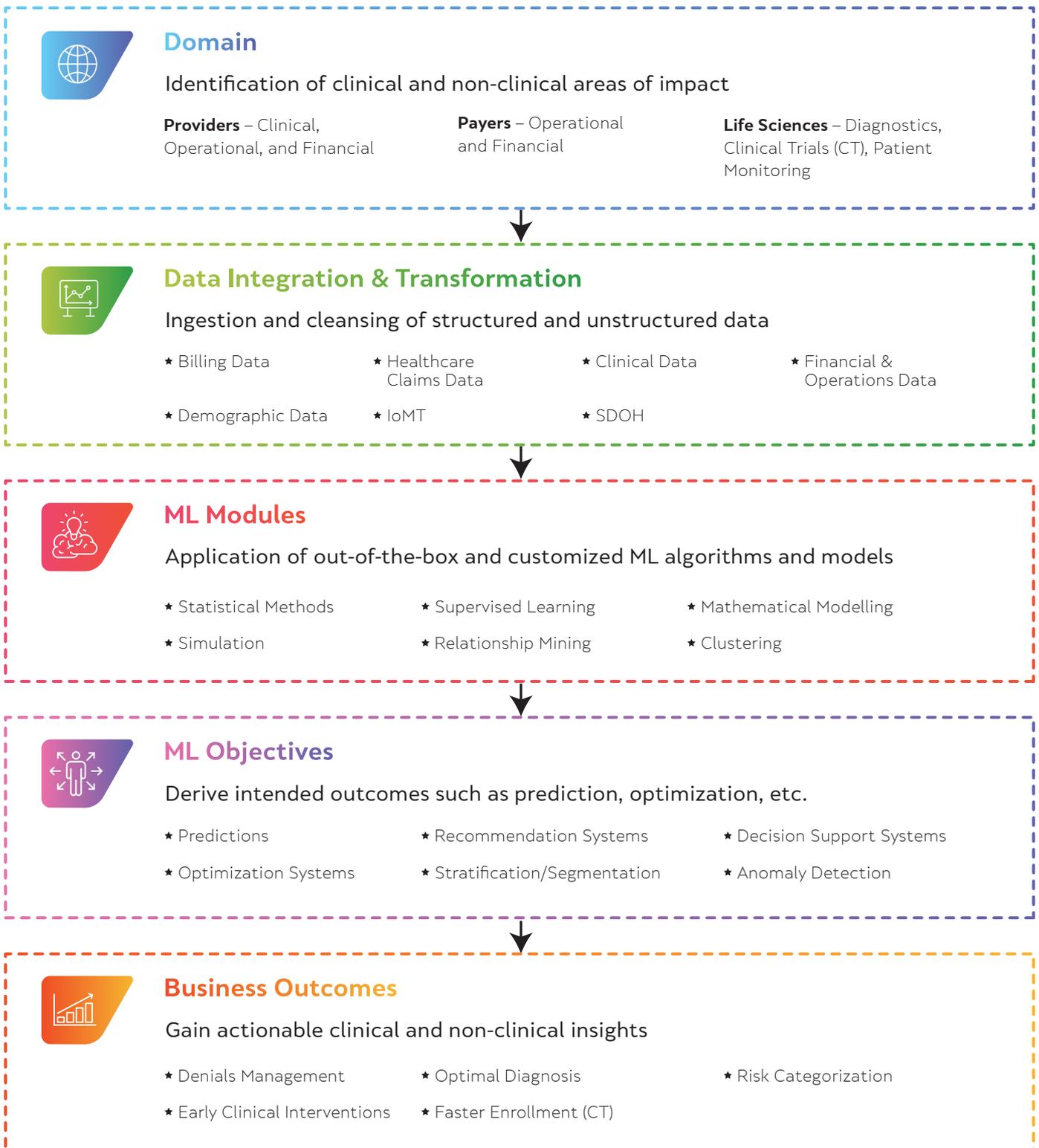


# Artificial Intelligence as a Service (AIaaS) for Healthcare

From data to accelerated healthcare outcomes through simple, repeatable, scalable Artificial Intelligence and Machine Learning (AI/ML) models

Artificial Intelligence (AI) has become an inevitable tool of innovation in healthcare, progressing from being a nice-to-have, to a must-have. GS Lab | GAVS believes in harvesting the power of Advanced Analytics and AI for smart healthcare operations. GS Lab | GAVS' Artificial Intelligence as a Service (AlaaS) is focused on leveraging AI to improve the holistic health of patients and to drive better health outcomes through preemptive care, while keeping healthcare costs low.

## GS Lab | GAVS' AlaaS Framework for Healthcare



# AI/ML Use Cases for Providers

 <h3>Care Management</h3> <ul style="list-style-type: none"><li>• Precision Dosing</li><li>• Text Analytics for Disease Diagnosis</li><li>• Hospital Acquired Infection (HAI) Identification</li><li>• Risk Stratification</li><li>• Cancer Diagnosis Optimization</li><li>• Physician Incentive Scorecard</li></ul>	 <h3>Revenue Cycle Management and Supply Chain</h3> <ul style="list-style-type: none"><li>• Denial Management</li><li>• Procure to Pay</li><li>• Charge Review</li></ul>	 <h3>Value Based Care</h3> <ul style="list-style-type: none"><li>• Re-admission Reduction</li><li>• Health Inequalities</li><li>• LOS Reduction</li></ul>
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# AI/ML Use Cases for Payers

 <h3>Member and Care Management</h3> <ul style="list-style-type: none"><li>• Member Self-Service</li><li>• Agent Augmentation</li><li>• Population Health</li><li>• Health Inequalities</li></ul>	 <h3>Claims</h3> <ul style="list-style-type: none"><li>• Fraud Detection</li><li>• Patient Financial Experience</li><li>• Claims Adjudication</li></ul>	 <h3>Other Use Cases</h3> <ul style="list-style-type: none"><li>• Simplifying Broker Experience</li><li>• Rapid Document Digitization with OCR</li></ul>
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# AI/ML Use Cases for Life Sciences

 <h3>Drug Discovery and Development</h3> <ul style="list-style-type: none"><li>• Patient Stratification</li><li>• Site Selection and Patient Recruitment</li><li>• Diagnosis and Disease Identification</li></ul>	 <h3>Sales and Marketing</h3> <ul style="list-style-type: none"><li>• Patient Engagement</li><li>• Healthcare Provider Engagement</li></ul>	 <h3>Regulatory Compliance</h3> <ul style="list-style-type: none"><li>• Advancing Compliance with Regulations</li><li>• Optimization of Submission Dates</li></ul>
 <h3>Pharmacovigilance</h3> <ul style="list-style-type: none"><li>• Drug-Event Association</li></ul>	 <h3>Manufacturing and Supply chain</h3> <ul style="list-style-type: none"><li>• Demand Forecasting and Supply Planning</li><li>• Network Optimization</li><li>• Predictive Maintenance</li></ul>	

Note: Use cases listed here are only a representative set. The actual use cases are arrived at based on customer needs.

# D3 Delivery Methodology for AlaaS

## DISCOVER

- Discuss with stakeholders to understand expected outcomes
- Validate data, processes, technology for business areas identified
- Assess data maturity
- Identify system integrations required

## DEFINE

- Identify most suited AI model for each business area
- Identify required datasets for model training and validation
- Perform required data analysis and data cleansing
- Develop system integration points/interfaces
- Customize for optimal results

## DELIVER

- Test the model with relevant testing datasets
- Deploy required integration points/interfaces
- Train the AI model, analyze results, and finetune for accuracy
- Go-live

## AI/ML Accelerators



AI/Analytics-led HealthIT Enablement to foster disruptive innovation in healthcare and nurture proficient, healthcare-ready AI/ML technologists



Proprietary AIOps Platform to drive healthcare service reliability and zero clinical interruptions through efficient IT operations powered by AI/ML



Collaboration with premier academic institutions like Indian Institute of Technology Madras (IITM) for AI/ML thought leadership and PoC development



GS Lab | GAVS is a global technology company focused on creating business impact for its 200+ customers across the USA, Europe, the Middle East, and APAC. It offers digital product engineering, AI-led managed services, and digital transformation services to customers across BFSI, healthcare, communications, and high-tech segments. With 4000+ technologists and a strong talent grooming engine, it is a trusted growth partner to its customers.

The company focuses on deep tech engineering skills, innovative win-win business models, and customer success. Its IPs, such as ZIF™, zIrrus, Rhodium, and zDesk, help accelerate technology adoption and reduce inefficiencies in operations.

For more information on how GS Lab | GAVS can help solve your business problems, write to [healthcheck@gavstech.com](mailto:healthcheck@gavstech.com) or visit us at [www.gavstech.com/healthcare](http://www.gavstech.com/healthcare)