

Pariveda Overview

Pariveda Solutions Inc. is a leading management consulting firm delivering strategic services and technology solutions. Our focus is simple. Start with the right people, deliver consistent value and partner enthusiastically with our clients. We grow and deploy talented people to solve technical and strategic challenges. We are passionate about delivering exceptional value to our clients. We excel at both thought leadership and execution. Our solutions lower risk and amplify value.

Our Clients

Pariveda solves the complex problems of clients ranging from Fortune 100 to Global 2000 to startup companies and spanning multiple industries.

Clients partner with us for our high-caliber combination of technology and business problem-solving experts, our high-quality delivery consistency and our focus on building lifetime relationships. We have served over 400 clients since inception.

Key Details



ON-SHORE ONLY

100% on-shore – in-person matters



FOCUSED TEAMS

Small teams to solve complex problems efficiently



TRUSTED RELATIONSHIPS

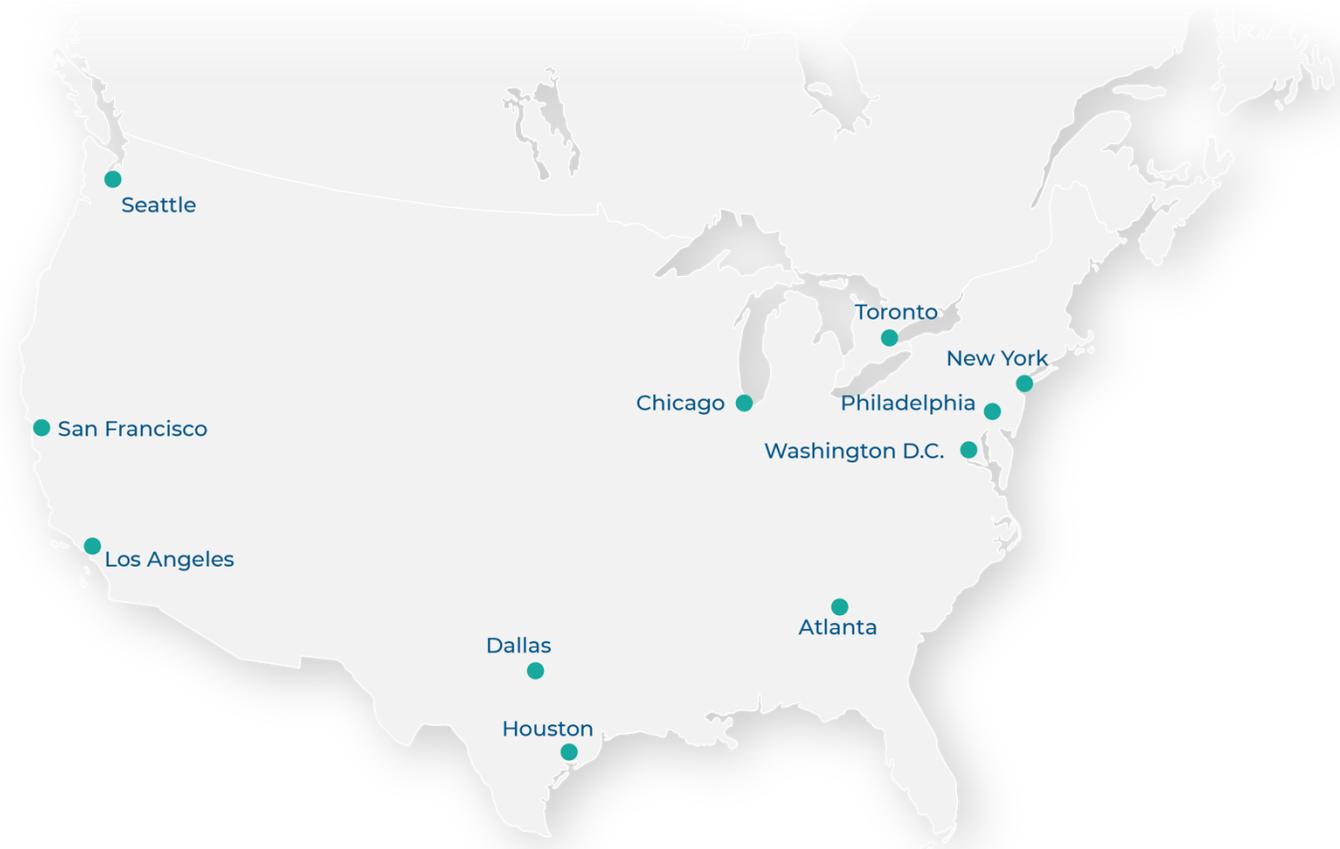
94% repeat/referral business



BUSINESS TRANSFORMATION

Valued by over 400 clients

Our Locations



Our success building modern healthcare solutions with Azure

DIVERSE
USE CASES

									
Admin	No-show Prediction	Supply Chain	Revenue Forecasting	Infection Prediction	Advanced Diagnosis	Membership Enrollment	Wellness Checks	Call Center Routing	Clinic Availability

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12+
Industry Areas

Hospitals
Physical Therapy
Health Insurance
Manufacturing and Delivery

Physician Burnout
Clinics
Dental Insurance
Pharmacies and Prescriptions

Emergent Care
Modernization
Electronic Health Records
Maintenance

25+
TECHNOLOGIES/
FRAMEWORKS

DATA ORCHESTRATION & INTEGRATION	DATA STORAGE	COMPUTE & TRANSFORM	ANALYTICS & MACHINE LEARNING	DATA & ML OPS	APPLICATION INTEGRATION	DATA EXPLORATION & CONSUMPTION
 Data Factory  Event Hub  IOT Hub  Synapse  Stream Analytics	 Data Lake Gen 2  Cosmos DB  SQL  Blob Storage	 Azure Functions  Azure Databricks  Delta Lake  Python	 Machine Learning  Cognitive Services  mlflow  ML Flow  Container Registry	 Azure Pipelines  Kubernetes Service  Azure DevOps  Container Instances	 Logic Apps  Redis Cache  App Service  Service Bus	 Data Catalog v2  Power BI  Data Share  Cognitive Search

Pariveda's Machine Learning POCs prove ideas to the point where they meet the "line of feasibility" to progress toward operationalization.



Healthcare organizations are faced with solving unknown, unmet and highly complex real-world problems that require value-driven, innovative solutions

PARIVEDA HAS PARTNERED WITH ORGANIZATIONS TO CREATE IMPACTFUL EXPERIENCES THAT DELIVER EXTRAORDINARY OUTCOMES



Optimized competitive pricing models through a cloud-based ML model to allow for top-line revenue growth and competitive advantage at a Global Medical Supplies Manufacturer



Accurately predicted back-ordered product ship dates at a Global Medical Supplies Distributor by enabling a cloud-based predictive analytics platform



Enabled organizational transformation at Major Health Insurance Company to move from a metrics-driven mindset to a customer-centric purpose-driven culture

Prevented an infectious disease outbreak, improved health outcomes and saved lives at a Pediatrics Hospital Institution by leveraging the power of predictive analytics, AI and ML



Predicted customer demand by up to 6 weeks in the future at a Major Transportation Company to dynamically adjusting capacity and price using predictive analytics and ML

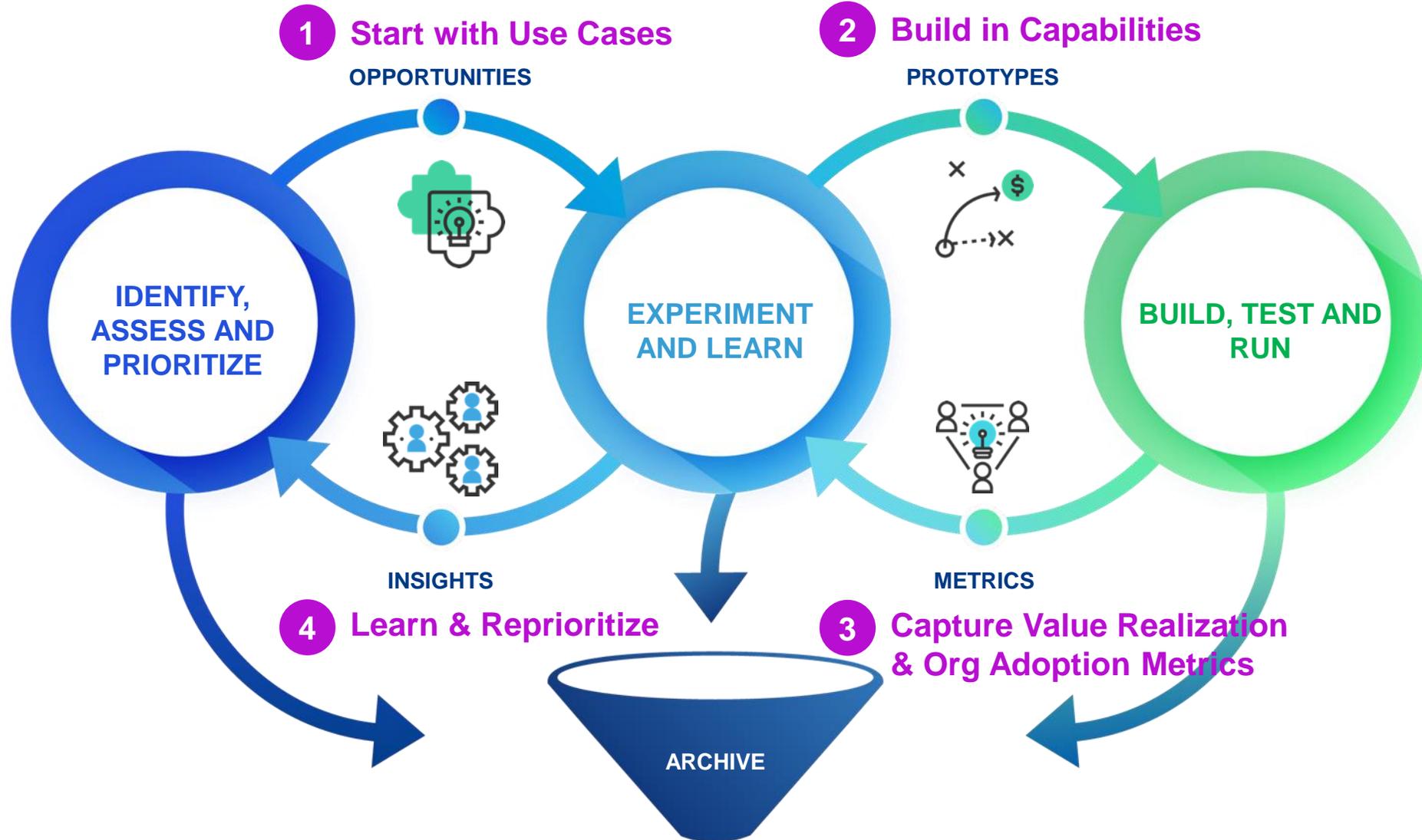


Enabled Supply Chain Agility at a consumer goods company by designing ML logic to predict market demand up to 3 months in the future, resulting in improved forecast accuracy, reduced chargebacks and reduced inventory carrying costs

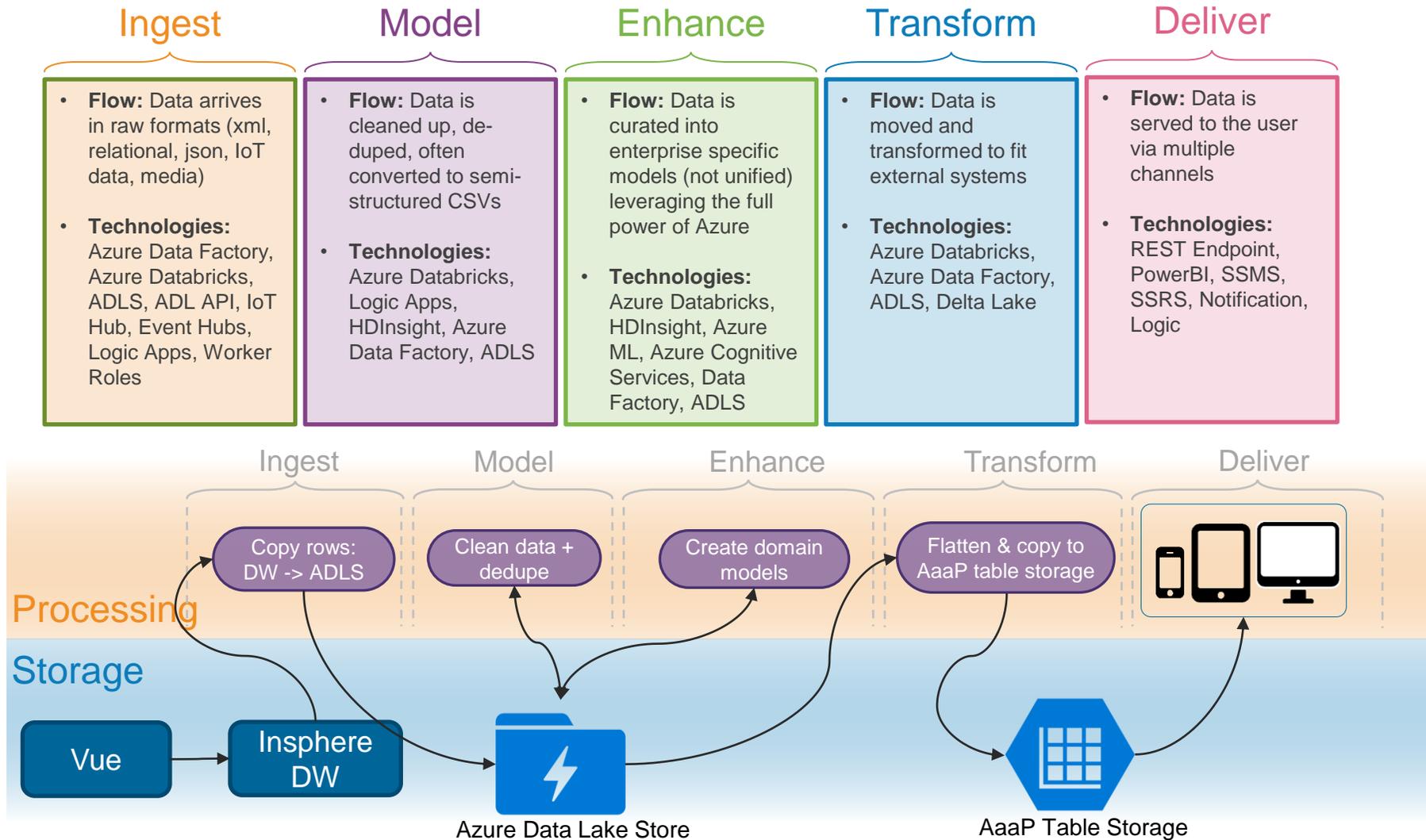


Pariveda's AI/ML Product Delivery Methodology

Three continuous loops that allow appropriate information to move through the process at an independent pace. Ideas that aren't sufficiently predictive or won't provide enough value are archived.



Pariveda and IMETD - A cloud pattern which encompasses the *what, where, when, why* and *how* for data as it flows through the data lake.



Predictive Analytics in Other Industries



Retail Energy Providers

- Predict energy consumption given individual consumer characteristics



Healthcare Applications:

Predict appointment no shows given individual patient characteristics



Worker's Compensation

- Utilize reimbursement history to submit claims with codes that will be approved



Utilize reimbursement history to follow up on rejected claims with highest probability of approval



Retail

- Utilize buying history to predict when a customer will have a life event and adjust marketing tactics accordingly



Utilize treatment history to predict when a patient may contract an infectious disease

Legacy and On-Premise Transformation to Cloud-Based Data Platform and Analytics

SITUATION

A group within a non-profit organization consisting of multiple medical centers and nearly 2,000 physicians was in the process of developing a Modern Data Enterprise (MDE). Goals included improvement of reporting, analytics of data for new insight, and elevating events for outcomes.

Pariveda was asked to review the current progress and provide guidance and support where possible to ensure platform goals are reached. Through the course of discovery Pariveda identified recommendations for process and technology improvements that would accelerate delivery and enhance the value the data platform provides long term via the use of cloud technologies, machine learning and predictive analytics.

SOLUTION

Pariveda aligned focus with the client, producing a cloud-based solution that focused on event-driven architecture, a scalable data platform / data enrichment, and predictive analytics. A multi-layered approach on security ensured maximum data integrity while allowing self-service for both the client's business partners and large customer base.

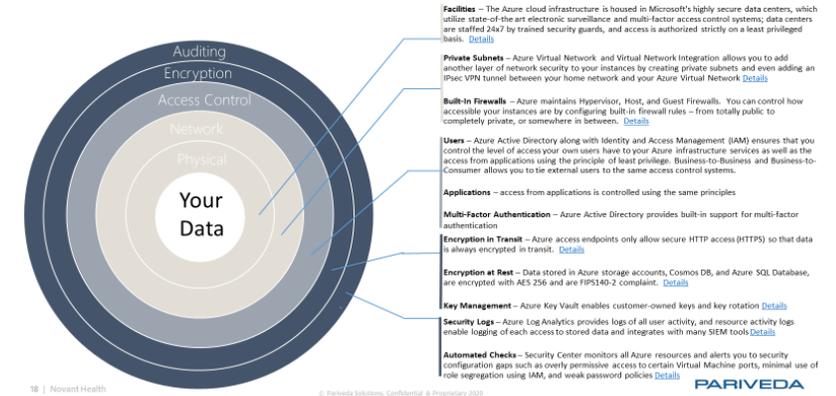
VALUE PROVIDED

Pariveda has been a trusted partner with the client and providing input, solutions, and advisory services to provide shareholder value and accelerate a new normal operating mode:

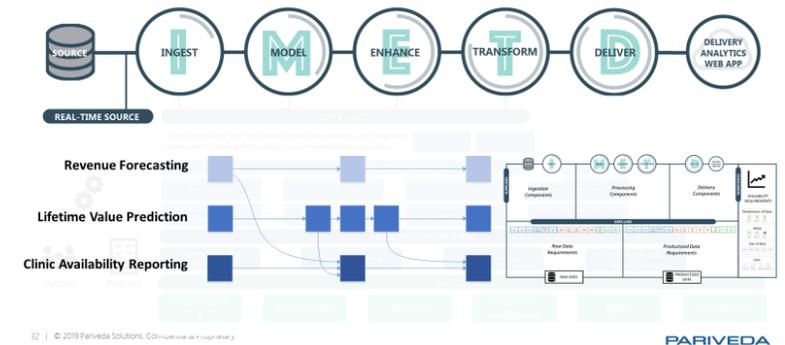
- Revenue Forecasting
- Clinic Availability Reporting
- Event-driven Data Platform

Now, the more resilient digital organization can predict and respond customers and business partners they serve.

Layered Security to Protect Your Data



Data Flow Development is Use Case Driven



Well-Child Intervention via Predictive Analytics

SITUATION

A non-profit children's hospital wanted to explore the use of Predictive Analytics and Machine Learning to guide care coordination for members who are likely to be non-compliant in the HEDIS W15 Measure. The HEDIS W15 Well-Child Measure is the percentage of patient members who attended six or more well-child visits during their first 15 months of life. Understanding which members are more likely to be non-compliant, and why, can help guide efforts to encourage members to attend more visits – promoting better health outcomes and higher ratings.

SOLUTION

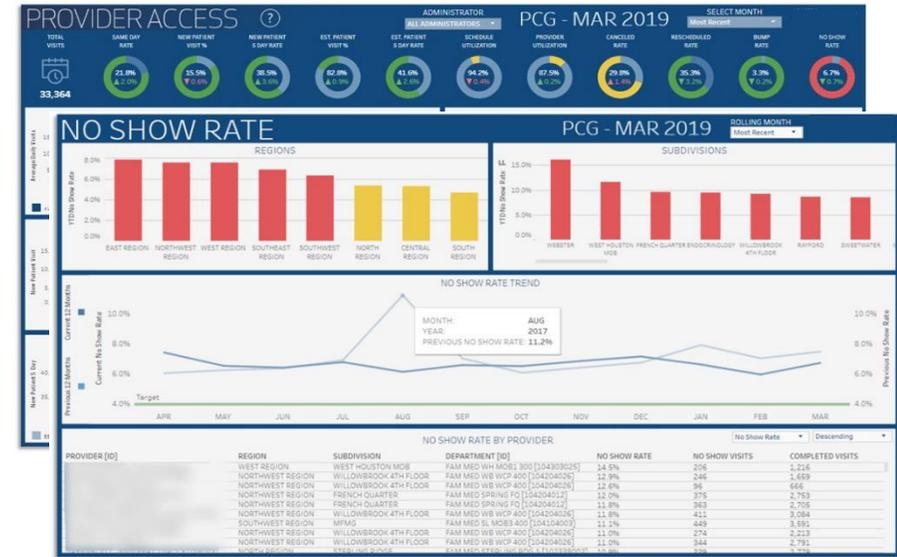
Pariveda developed a machine learning model with relevant information about the patient (age, birth outcome, etc.), mother's prenatal habits, sibling patterns, claim history, and more create to a non-compliance risk score.

Enhanced an automated call campaign targeting members at high risk for non-compliance by improving the focus and efficacy of each call using insights from the machine learning model.

VALUE PROVIDED

By predicting patients' probability of not making at least 6 well-child visits within their first 15 months of life, the model provides benefits across the following areas:

- Higher HEDIS Measure rating led to more public recognition as well as more federal funding
- Able to target high-risk patients and schedule timely outreach to encourage them to attend more visits
- Targeted approach led to lower operational costs and less call volume
- Targeted calls led to higher customer satisfaction. Previously, parents were frustrated, often receiving multiple calls a week due to a lack of strategy and data
- Prevention (vaccinations / immunizations)
- Tracking growth and development



Adaptive Organization Characteristics

