X BY 2®

CASE STUDY

Improving Population Health with Data Analytics.

One client's journey to a modern, cloud-based data platform to support value-based care initiatives.

THE CLIENT

A Value-Based Care Consulting & Population Health Analytics Services Company

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THE OBJECTIVE

Our client's core business focused on enabling healthcare providers to maximize incentives received from payer value-based programs, while also improving quality of care and optimizing operations. As value-based care expanded across the industry, our client wished to broaden their market reach and increase service offerings.

Foundational to our client's success was developing a new way for analysts and data scientists to help physician partners close gaps in care and uncover areas for optimization, while also identifying opportunities for revenue generation and cost savings. However, the client's current vendor solution was complicated, slow, manual, and inhibited their ability to derive actionable insights to bring about improvements.

BUSINESS IMPACT

50%

Improvement in quality performance for 900 network physicians

2M+

Patient gaps in care closed

11.5%

Medical spend reduction for ACO client

Simply collecting data is not enough. Healthcare organizations must unlock actionable insights they can apply across the enterprise to improve patient care, ensure compliance, personalize customer experiences and accelerate innovation.

# A modern cloud-based data platform for supporting all value-based and provider analytics and reporting.

Data Integration

Plan (member, claims, provider, gaps, and risk data), Clinical, and HIE

- 8 Health Plans
- 12+ EMRs
- 100+ Clinics
- 4 HIEs

Reporting & Analytics

- **Provider Quality** – HEDIS (30 measures), EBCR and analytics, gaps in care and treatment opportunities, cost and utilization trends
- PCMH and Physician Incentive Programs
- Revenue Management
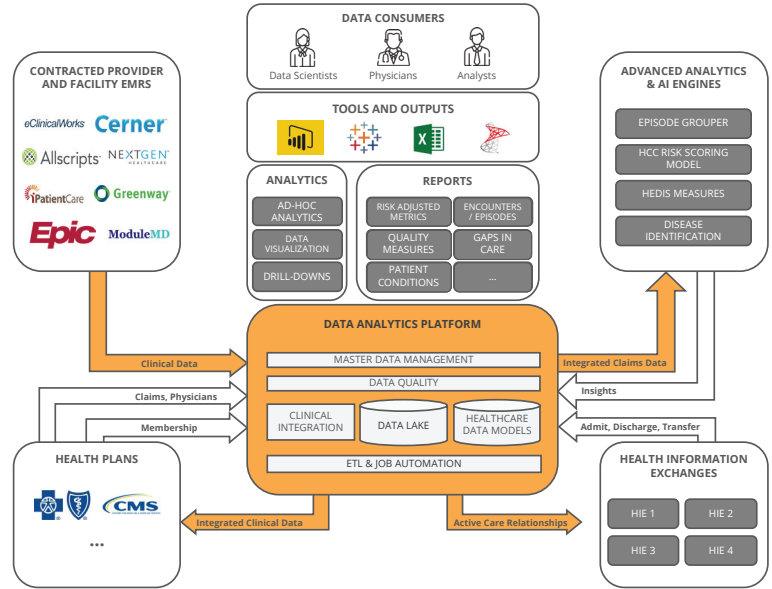
X by 2 Accelerator Solutions Leveraged

Clinical Data Integration Solution
Adapts to EMR vendors across hundreds of healthcare providers, quickly addressing data variations and customizations and shortening time to insight.

Data Quality Solution
Fit-for-purpose solution enables users to rapidly target and remediate their most critical data quality issues. Data health dashboard provides real-time data quality checks and dynamic data management.

Healthcare Data Models
Proven models reduced time to value through integration of data into enterprise reporting, analytics and operational processes, increasing interoperability and improving outcomes.

Use Cases
Bringing all of the data together in order to identify gaps in care and treatment opportunities, disease and chronic disease identification, as well as cost and utilization trends.

RESULTS

The X by 2 approach improved and modernized key areas:

		BEFORE	AFTER
	Architecture	**Rigid** – Lack of external integration points and data accessibility	**Flexible** – Scalable, cloud-based platform able to grow with increased demands
	Processes	**Vendor Dependent** – Cumbersome workflows, manual processes still required	**Self-Sufficient** – Automated workflows, self-service reporting, data gathering
	Software/Tools	**Heavy** – Complex and slow to change with expensive/recurring vendor costs	**Lightweight** – Easier onboarding and training; increased speed to market
	Data/Reports	**Fragmented** – Data across repositories, lack of canned reports, poor data quality	**Consolidated** – Reduced complexity, automated reporting, improved data quality

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