



Turning data into actionable knowledge  
for better health outcomes

# AI-Driven Insights and Actions to Improve Healthcare

HealthPointe Solutions has paired the most powerful artificial intelligence (AI) engines in the world with a comprehensive suite of proprietary technologies to enhance consumer engagement and caregiver workflow.

## We are Solving Healthcare's Toughest Market Challenges



**Big data doesn't necessarily mean good data.**

- It needs to be extracted and validated, transformed and normalized
- It needs analytic enrichment through Cognitive AI
- Only then can it be understood contextually within workflows

## We are Preparing Healthcare for AI Automation

### Today's Imperfect Solutions

#### Information Age: Big Data

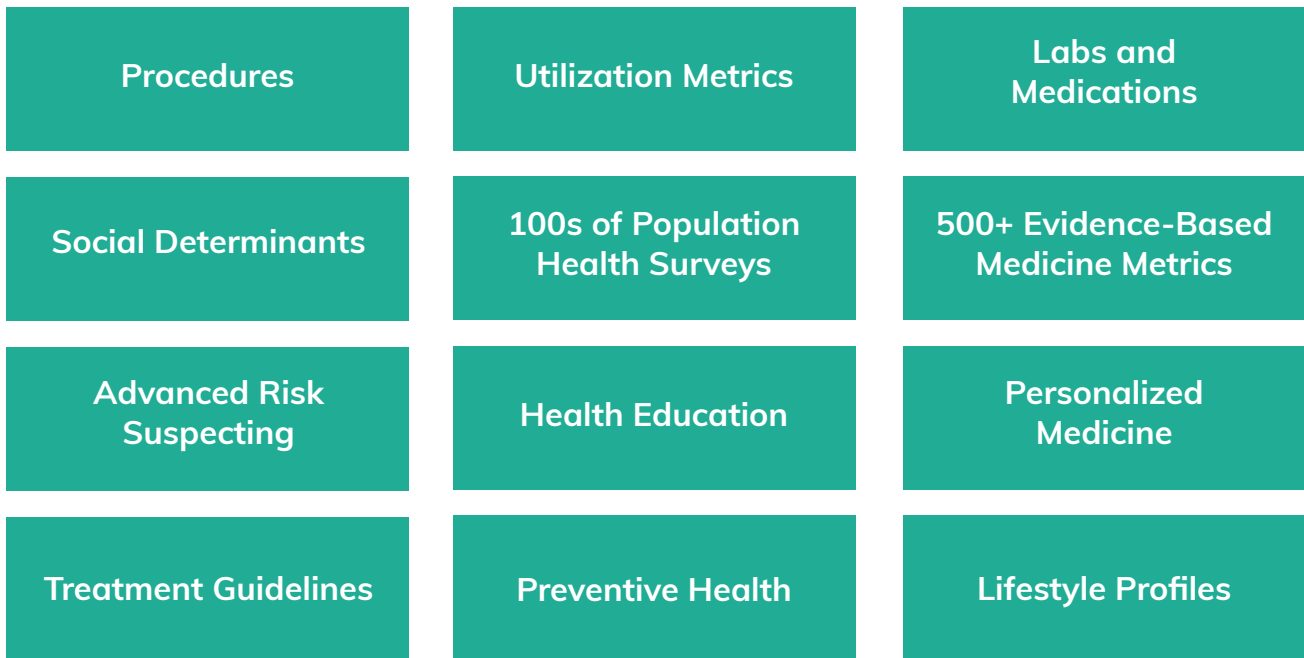
- Focuses on patterns in data with machine learning and neural networks
- Solutions need a large amount of structured data to correlate recommendations
- Generic user experience is defined through omni-channel messages
- Process and quality improvements are achieved through retrospective assessment

### HealthPointe's Experience

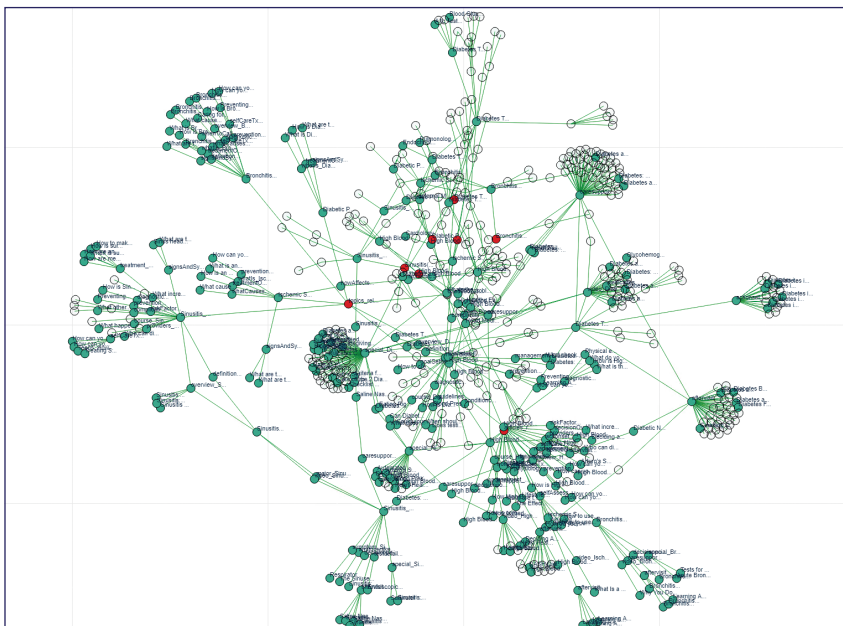
#### Knowledge Age: Value Based

- **Personalized experience is defined where consumers interact**
- **Cognitive solutions leverage knowledge for shared decisions**
- **Value creation is achieved through workflow integration and prescriptive insights**
- **Autonomous learning guides interactions from knowledge of many experts in real time**

## We Have Aggregated a Comprehensive Knowledge Base of Health and Wellness Insights



## We Create a Personalized Clinical Profile for Each Consumer



We apply Cognitive AI across each consumer profile to reason and infer not just what gaps exist in their care but how they can more proactively manage their health to an ideal state.

# The Science and Technology of HealthPointe

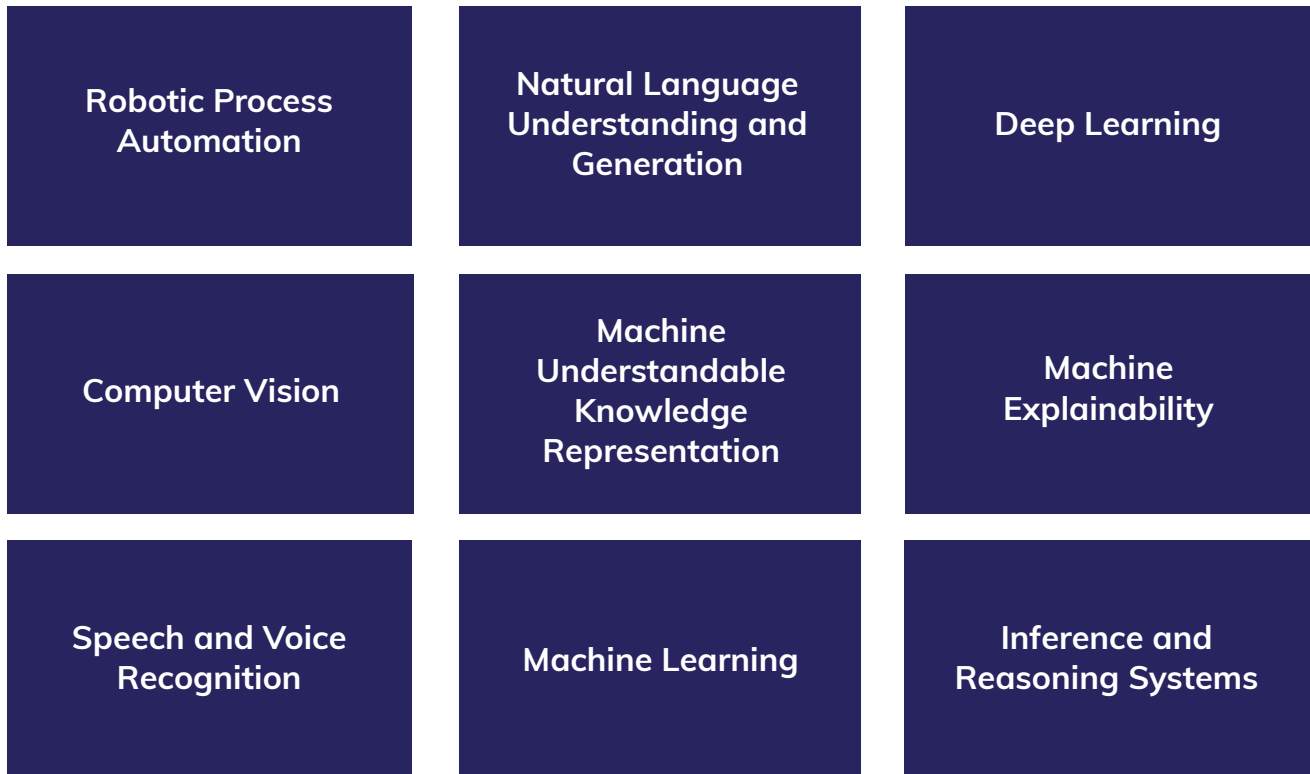
From finding patterns in data

To gaining knowledge, insights and understanding towards business value

We have built the most powerful **Cognitive AI** technology stack in the world today.

- 1 Cognitive AI**  
Able to *think*, modeled on human thought process
- 2 Self Learning Platform**  
Understands, learns and reasons in real time
- 3 True Natural Language**  
Understands true *intent*, a generation beyond current pattern matching solutions
- 4 Agent Based**  
Decentralized cognitive agents utilized to enable our AI to be everywhere, actively monitoring
- 5 Intelligent Analytics**  
Able to deal with missing or incorrect data, along with large amounts of unstructured and structured data in real time

Our health platform is powered by a comprehensive AI toolkit:



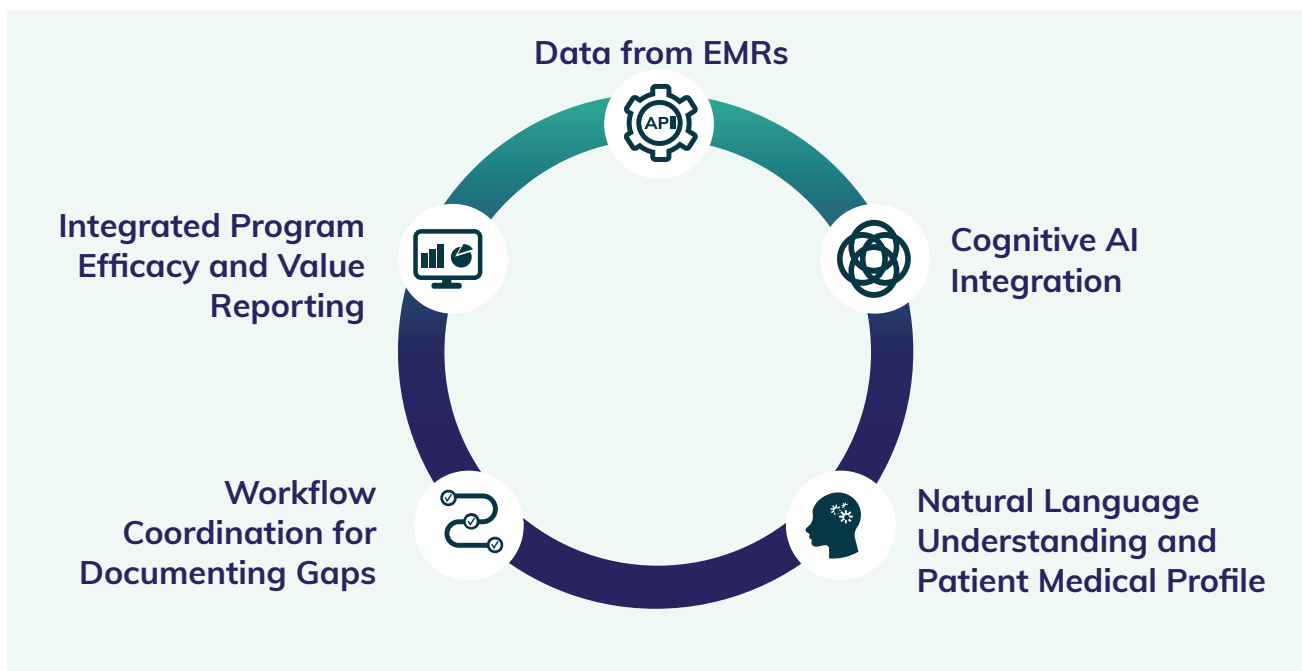
# HealthPointe Real-time Interoperability

## Our AI toolkits turn data into knowledge:

Aggregates and normalizes healthcare data from various sources

Understands context even with contradictory or incomplete information

Continuously learns from experiences and interactions



## Our solutions turn knowledge into reduced costs and better outcomes:

Interoperating knowledge with real-time analytics and messaging to optimize clinical and administrative workflows

Proactive recommendations, backed up by traceable justification, help practitioners close gaps and improve care

Unique, personalized healthcare experiences help consumers improve their health status

# HealthPointe's Product and Solutions Portfolio

Clinical Interoperability

Intelligent Informatics

Natural Language Understanding

Clinically Integrated Networks



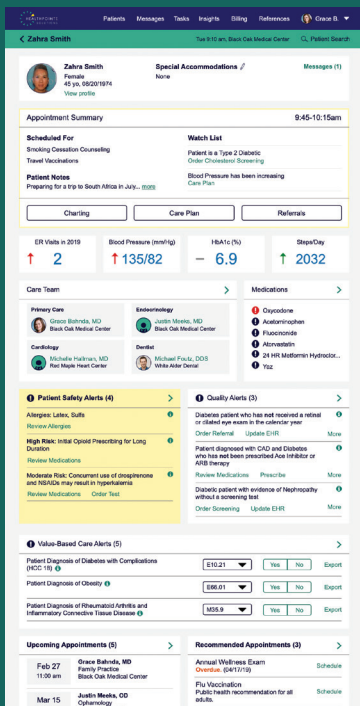
Population and Digital Health

Comprehensive Scheduling

Provider Workflow Optimization

Value Based Care

## Provider Workflow Optimization

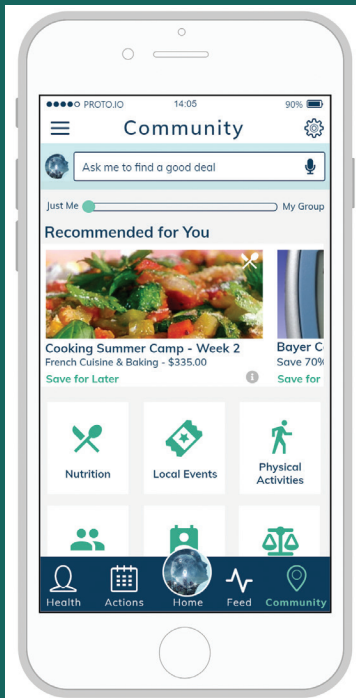


A secure, personalized profile of each consumer's health risks, appointments, and quality and patient safety gaps in care with defined recommendations for how to address them integrated within the EMR.

The system allows for the creation of a complete view of a consumer's health status and care plan directed by or supporting the practitioner for durational health management outside of each visit.



## Population and Digital Health



We deliver a truly personalized, interoperable, modular, consumer-based digital health solution managed by our Cognitive AI toolkits.

It connects health practitioners and consumers through care plans, health team coordination, population health goals and monitoring, and connected devices where they live.

## Value Based Care



**Treatment Variances**



**Risk Adjustment**



**Clinical Analysis**



**Quality Management**

The cost of manual data exchange and processing is burdensome for practitioner groups. Cognitive AI automation brings correlated quality and condition identifiers to workflow and performance monitoring.

- **Proprietary Analytics** – sophisticated prospective modeling capabilities across cost and utilization, risk adjustment, quality, patient safety and program attribution
- **Interactive Prospective Messaging and Reporting** – messaging services drive actionable, timely information in workflow or EMR

# HealthPointe Solutions Case Studies

## Creating a Clinically Integrated System of Health

*For a large retailer entering the health marketplace*

**Challenge** Create a fully integrated consumer and practitioner experience across a multi-specialty professional services clinic including ancillary providers.

**Value and Return on Investment** Created integrated analytics and workflow through clinical interoperability across five different healthcare practitioners for a consistent view of health for each consumer, including integrated scheduling, cost transparency, registration and check-in, clinical alerts (value based care), and shared decision making. Reduced consumer wait times by 20% and improved clinical quality gap closure by 37% per patient encounter.

## Improving Revenue Through Resource Optimization

*For a multi-state hospital system*

**Challenge** Help improve supply chain management for a large integrated hospital system in order to manage the right mix of nursing resources to support facility procedures. Facility pays 80% of resource costs for nursing services that are scheduled but not utilized in the care stream and facility has to pay 200%+ of base salary for resources that are brought in when understaffing occurs.

**Value and Return on Investment** Proactive prediction incorporating core data streams of hospital administration systems. Improved the optimization of resources by 7-10% for three large facilities; projected savings of \$5M per facility or \$500M in aggregate in projected cost avoidance of nursing expense and expanded capacity for resources.



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