

HEALTHPOINTE® SOLUTIONS

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

Today's 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 Al
- 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

Data Codes Metrics	Ontologies Knowledge	Messages Experiences/ Workflows
Procedures	Utilization Metrics	Labs and Medications
Social Determinants	100s of Population Health Surveys	500+ Evidence-Based Medicine Metrics
Advanced Risk Suspecting	Health Education	Personalized Medicine
Treatment Guidelines	Preventive Health	Lifestyle Profiles

We Create a Personalized Clinical Profile for Each Consumer



We apply Cognitive Al 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.



- **Cognitive Al** 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



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Agent Based

Decentralized cognitive agents utilized to enable our AI to be everywhere, actively monitoring

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:

Robotic Process Automation	Natural Language Understanding and Generation	Deep Learning
Computer Vision	Machine Understandable Knowledge Representation	Machine Explainability
Speech and Voice Recognition	Machine Learning	Inference and Reasoning Systems

HealthPointe Real-time Interoperability

Our AI toolkits turn data into knowledge:



Our solutions turn knowledge into reduced costs and better outcomes:

Interoperating knowledge with realtime 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	HEALTHPOINTE [®]	Population and
Networks	SOLUTIONS	Digital Health
Comprehensive	Provider Workflow	Value Based
Scheduling	Optimization	Care

Provider Workflow Optimization

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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



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 multispecialty professional services clinic including ancillary providers.

Value and
Return onCreated 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 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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