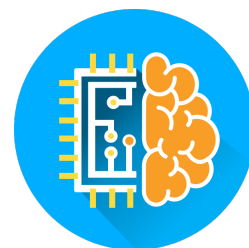


The New Healthcare.AI Product Suite Level 1

Transformative products that dramatically broaden the effective use and use cases for AI in your organization



Type: Software Suite

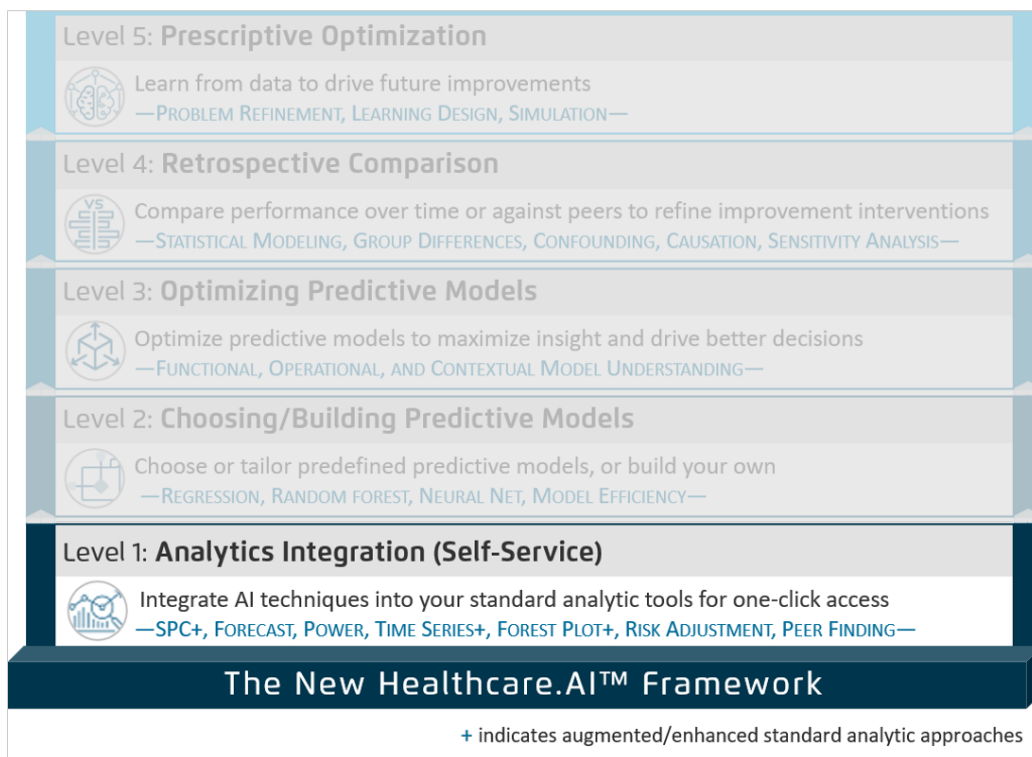
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The new Healthcare.AI™ Product Suite by Health Catalyst provides one-button AI (augmented intelligence) access into existing business intelligence (BI) tools and applications; embeds statistical, AI, and healthcare rigor into your applications; and helps analysts produce higher quality, faster insights.

Applications within the suite

- Pop Insights



The Healthcare.AI Product Suite addresses Level 1: Analytics Integration of the Healthcare.AI Framework by enabling easy integration of AI into your existing BI tools and Health Catalyst applications.

The problem

Healthcare leaders face a long list of increasingly critical business issues affecting revenue, cost, and quality. The decisions surrounding these issues make analytics more important than ever, with stakeholders needing faster turnaround with smaller margins for error.

In response, many analytics leaders are now trying to integrate AI into their analytic processes. Too often, these efforts are unsuccessful. Leaders struggle to integrate AI into current tools, integrate or change workflows, and demonstrate the positive impact of AI.

Most analytics users would prefer to integrate AI capabilities into their existing workflows, but few options exist to do so. Typical BI tools do not include AI capabilities, and most AI tools are standalone applications that require analysts to learn yet another program, language, or integration point. Both approaches limit the adoption of AI into key analytics workflows.

Our approach

The new Healthcare.AI Suite provides easy one-click AI access into existing BI tools and applications. Once installed, it can be up and running and creating insights in minutes.

The suite embeds a blend of well-established and cutting-edge statistical and machine learning techniques into your BI tools and Health Catalyst applications and accelerators. This integration makes it easier for analysts to understand and use advanced statistical and AI features in their most common use cases, within existing workflows.

The suite also helps analysts produce higher quality and dramatically faster insights. The embedded rigor means analytics insights are more accurate, precise, and consistent than before, dramatically accelerating the delivery of analytic insights from months or weeks to minutes or seconds.

Benefits and features

- **Statistical Process Control (SPC+):** Quickly draw more accurate and consistent conclusions with statistical process control integration.
- **Time Series+ Outlier Detection:** Leverage data to monitor vastly more aspects of the business with much more granularity via time series outlier detection algorithms directly.
- **Forecast:** Focus on performance trajectory and achievement rather than a single, historical point in time with a set of forecasting techniques that enable fully automated forecasting and direct control of parameters.
- **Power Analysis:** Set goals, expectations, and accountability targets with the most common statistical power analysis techniques.
- **Forest Plots+:** Understand system performance and direction to gain insights otherwise hidden in plain sight with forest plots.
- **COVID-19:** Make data-informed decisions during COVID-19 with algorithms that calculate and detect changes in measures of spread.

Use cases

- An analyst received a request from a medical director to help show a decrease in 30-day heart failure readmission. In 30 minutes, the analyst combined SPC+ charts, forecast, and power analysis into their readmission BI tool. The analyst discovered that the healthcare system's readmission rate was at goal already. Moreover, demonstrating the proposed stretch goal of a 10% improvement would take 3+ years to demonstrate based on historical volume and variation. In a joint session with the medical director, the analyst discovered an opportunity to improve follow-up visits despite being down 20% in care manager capacity. They achieved efficiency by deploying a more accurate risk prediction model for the care managers.
- Clinical, Nursing, and Quality leaders were charged with setting an annual focus with accountability targets for their multi-hospital organization. They noted that the biggest negative event rate was heart failure readmission and were inclined to set that as their focus. In 30 minutes, an analyst loaded their historical performance data, applied benchmarking from Touchstone, and fed these into their Healthcare.AI-connected BI tool. They immediately saw that heart failure readmission was among their lowest opportunities for improvement. The greatest opportunity to improve the system was heart failure mortality—with no hospital's current nor forecasted performance approaching goal. They also identified that their greatest variation and opportunity to spread best practices internally was pneumonia readmission.

Associated services

- The New Healthcare.AI Optimization Services
- The New Healthcare.AI Expert Services

Success stories

For examples of how customers have used Health Catalyst products and services to improve outcomes, see our [success stories at healthcatalyst.com](https://www.healthcatalyst.com/success-stories)

Contact us

For more information on how Health Catalyst products and services can help your organization, please contact us:

- Reach out to your sales representative
- Call us at (855) 309-6800
- Email us at info@healthcatalyst.com

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