



INSIGHTS:

HENRY FORD HEALTH SYSTEM

SUCCESS STORY

Many healthcare organizations continue to struggle with the basic building blocks for analytics - access, preparation, and extraction of actionable information. Data shows that the typical analytics team spends 80 percent of their time just gathering and preparing data, and only 20 percent on the most important work: analyzing it.¹ Henry Ford Health System (HFHS) was eager to use Premier's INsights, a self-service analytics framework, because they needed an easy, efficient way to pull clinical and patient outcomes data together, manipulate and integrate that data for on-demand use cases and create visualizations.

THE CHALLENGE

HFHS needed to increase the efficiency of their in-house analytics team. "We were looking for a way to reduce our efforts in reporting and to house everything in one area where everybody could capture all the information that's needed," said Robert Brooks, Clinical Quality Analytics Manager at HFHS.

HFHS's initial project after implementation of INsights was to centralize the information on patient safety indicators (PSIs) to enable the team to review safety events and improve their processes to prevent PSIs in the future. After the merger of HFHS and Allegiance Health, the analytics team discovered they were using different processes for generating PSI reports with differing outputs. Allegiance employed Premier's QualityAdvisor with manual processes to share data with teams dedicated to improving PSI-90 performance. Henry Ford developed an internal dashboard to display PSI and PSI-90 data. This process requires mimicking the AHRQ software and manually refreshing the dashboard. Manual systems are time- and labor-intensive, involving replicating Agency for Healthcare Research and Quality (AHRQ) codes yearly and updating them manually as necessary. This required a skilled data analyst to take time out of other tasks to complete the data analysis manually each month.



THE SOLUTION

INsights allowed HFHS to integrate and merge the streams of data, rebuild the reports to automatically update and make the resulting information easily accessible — eliminating the manual effort of the old system.

Using INsights, HFHS was able to integrate data, reduce manual processes, and gain 16 additional hours of productive time in which they could focus on actionable analytics. “With INsights, we were able to merge all the data together to get year to date views, monthly views, drill into patient detail and get trended information,” said Stephanie Belcher, Manager of Performance Analytics at HFHS.

The ability to share their work in the curated content library of INsights and make it available to other health systems, essentially crowdsourcing analytics, means a great deal to HFHS. “There’s real benefit to being able to share information between health systems for the safety of patients,” Belcher said.

THE FUTURE

You don’t have to be a data analyst to use INsights. The curated library of content and centralized environment enables analytics to be accessible to teams across the organization. Teams at HFHS such as Patient Safety have requested access to INsights so they can use the library to create their own analytics and continue the mission of improving patient care.

Going forward, HFHS plans to use INsights to implement a sepsis scorecard that will update on a monthly basis and publish it to their dashboard portal. Using INsights, they are developing an automated tool that can quickly look at quality and cost opportunities across different Diagnosis Related Groups (DRGs) and identify where there might be cost savings or length of stay savings for different DRGs. Finally, they expect INsights to help them understand surgery outcomes and factors that can improve outcomes.

PREMIER’S INSIGHTS

INsights, a part of Premier’s Clinical Intelligence portfolio, is a self-service analytics framework that enables users to easily connect and query their existing Premier clinical, operational and financial data in a high-performance analytics environment. Users can get from opportunity assessment to action quickly with commonly used query (SQL) and visualization tools.

1. <https://healthitanalytics.com/news/big-data-to-see-explosive-growth-challenging-healthcare-organizations>

About Premier

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