Bring data together for value-based outcomes

Next-generation best practices derive insights from any number of disparate data sources

HealthCatalyst | Microsoft Azure

INTRODUCTION

Digital transformation is great. But is it working for healthcare?

Even decades into the digital age, healthcare data is not yet living up to its promise. But it could.

Over 90% of organizations in all kinds of industries worldwide now use cloud computing in their operations,[1] but healthcare organizations lag behind. They are still unable to access and gain value from the data they collect. Even with the overwhelming amount of data being captured, at best, only 8% of the data required for precision medicine and population health is captured in today's EHRs.[2]

This burgeoning complexity and scale make healthcare ripe for more flexible and nimble IT infrastructures. This is not theory—it has real business impact. According to a KPMG study, organizations realize an average 30% savings from the shift to an effective cloud environment.[3]

So how do you get your healthcare organization there?

In this e-book, we'll show you how Health Catalyst has developed a new model for its **Data Operating System (DOS™)** to bring healthcare organizations the benefits of a more flexible computing infrastructure in the Microsoft Azure cloud.

30%

Average savings realized when organizations shift to an effective cloud environment.

[1] "Navigating in a Cloudy Sky," A McAfee Security Report, 2017

[2] "**Health Catalyst DOS & Product Story**," Dale Sanders, March 2019

[3] "Healthcare's Silver Lining: The Industry's Stance on the Cloud Is Transitioning from Fear to Optimism," KPMG, 2018

Feeling the data pain—it's everywhere

One of the root causes for the lag in healthcare's use of data is decentralized storage. The data is simply everywhere: It exists in different systems with varying architectures, in data lakes, and in warehouses, in a universe of formats and locations, all with different security and compliance standards.

Naturally, most of these systems don't communicate well—or at all—with each other. In addition, health systems also need to access and integrate performance data that was never designed to be joined together.

And accessing and integrating data isn't even the main goal; the main goal is to analyze the data and glean actionable insights to drive improvements.

Health Catalyst recommends its clients ask three simple questions:

1. **What should we be doing?** Are we using best practices for care delivery on any given condition, based on the literature?
2. **How are we doing?** Do our data analytics enable accurate and timely measurement of the care we provide?
3. **How do we digitally transform?** Is the data-proven best practice known and implemented throughout our organization for improved care delivery?

To transform data and best practices into clinical outcome improvements, organizations need solid answers to the above questions. If a health system has best practices covered, and its analytics are there, but the organization is inconsistent when disseminating the information, it will tend to have spotty quality of care—and not true systemwide transformation.

Health Catalyst focuses on making the data a health system's powerful and accessible ally.

Let's look at how.