



# REDUCING COSTS AND IMPROVING HEALTH THROUGH HEALTHCARE DATA ANALYTICS



Prime Dimensions offers an advanced analytics prototype application designed to maximize value in healthcare delivery by balancing of quality of care, patient outcomes and cost of services. The goal is to:

- ✓ Optimize competing priorities among providers, payers and patients
- ✓ Evaluate payment reform alternatives to the fee-for-service model
- ✓ Provide insights to Federal and private health systems decision makers
- ✓ Utilize Bid Data and advanced analytics solutions

## Problem

In 2010, total U.S. healthcare spending was \$2.6 trillion, representing 18% of Gross Domestic Product, doubling over the past 30 years. If this trend continues, estimates are that healthcare spending will reach a staggering \$5 trillion, or 20% of GDP, by 2021. Moreover, patients' out-of-pocket costs have doubled over the past 10 years.

The current payment structure results in redundant testing, medical errors, and over-utilization that maximizes providers' fees and reimbursements; focuses on volume of services provided and revenue generated--not quality and outcomes; and incentivizes multiple tests and procedures , regardless of necessity, quality, and efficiency.

**Bottom line: Projected unsustainable growth in healthcare costs necessitate using smarter health data analytics powered by in-memory, scalable platforms to transform the future of healthcare delivery.**

## Solution

Our model embeds business rules and algorithms of the Medicare Shared Savings Program (MSSP) Accountable Care Organization (ACO). Our application includes the following features and capabilities:

- ACO benchmarks and budget based on historical cost baseline, trend estimates and risk adjustments
- Performance monitoring of key measures and metrics related to cost, utilization and quality
- Predictive modeling to determine the proper mix of inputs to maximize payment incentives
- Dynamic dashboards and visualizations to perform trade-off analysis and scenario planning



## To Learn More...

Contact: Michael Joseph, Managing Partner  
703.861.9897  
mjoseph@primedimensions.com

[www.primedimensions.com](http://www.primedimensions.com)

@PrimeDimensions