Symphony AyasdiAI in the Public Sector
Introducing Symphony AyasdiAI’s Advanced AI Software

You have unprecedented and exponentially growing amounts of data at your disposal. This presents both an opportunity as well as a challenge. With the right analytical tools, you have the potential to discover critical intelligence that can help accelerate mission outcomes, and furthermore, improve the efficiency, quality and cost-effectiveness of the services that your departments and agencies deliver.

Symphony AyasdiAI offers unique applications that help government and public sector organizations rapidly uncover critical insights from their data that were previously hidden or overlooked. Based on Topological Data Analysis (TDA) technology created at the Defense Advanced Research Projects Agency (DARPA), AyasdiAI platform represents a credible, new approach to analyzing highly complex and disparate data.

“The technology at AyasdiAI, based on Topological Data Analysis, is one of the top ten innovations developed at DARPA in the last decade.” Tony Tether – Former DARPA Dir

The Benefits

Government organizations use AyasdiAI’s program performance intelligence application to analyze the health of its many ongoing programs to predict their health and success probability. The health sector utilizes our many applications like Clinical Variation Management, Denials Management, and Population Health to optimize cost, predict health risks for better preventive care and optimize clinical processes for better care to patients.

Program Performance Intelligence

Symphony AyasdiAI Program Performance Intelligence (PPI) deploys sophisticated machine learning technology to enable forward prediction of program health, up to six months into the future. Schedule Performance Index (SPI) and Cost Performance Index (CPI) are lagging indicators and by the time these indicators turn “red”, it is too late to do anything but react – an expensive and difficult position to be in.

By combining your existing data, both structured data required by Earned Value Management (EVM) and unstructured text from status reports, test reports, emails, etc., Ayasdi PPI is able to compare programs across disciplines and time, delivering insights into future program performance that is too complex for program managers and executives to process.
Clinical Variation Management

With pressure to decrease cost and improve care delivery, providers face new initiatives to transition from volume-based models into value-based modes. The good news is that there is a tremendous amount of data captured in EMR systems that can fuel essential initiatives to provide better care while reducing hospital costs.

Clinical Variation Management from AyasdiAI is an enterprise application for a broader clinical transformation that touches every part of the delivery chain – from how hospitals are organized, the conversations they have with their doctors, the confidence with which they take on risk-sharing arrangements with payers, and most importantly the care they deliver to their patients. The key lies in finding the patterns and relationships that matter in complex, multi-structured clinical and billing data.
Ayasdi’s Clinical Variation Management application:
- Discovers what’s going on in the hospital
- Surfaces the best care practices
- Builds new care paths to be added to coordination systems
- Continuously improves the care paths
- Measure adherence to new care path

Population Risk Stratification

The Population Risk Stratification application identifies, and groups patients based on similar predictive signatures. Patients may share similar conditions, but will also share other determining characteristics, whether it be procedures received, medications prescribed, or the type of coverage they have. It determines not only which groups are projected to have the highest escalation of costs, but other outcomes, such as which conditions are likely to be prevalent for each group and the predicted change in utilization.

AyasdiAI Population Risk Manager provides transparency into which key differentiators are driving the various predictions—revealing what is unique about these groups that make them high- or low-risk. Armed with information on risk profiles and drivers of future risk, clinicians and others across the care continuum can better assess individuals and the best course of care, and more confidently prescribe and justify care programs for each.
Denial Management

AyasdiAI for Denials Management is a purpose-built software application that helps healthcare providers rapidly uncover complex denial patterns and their precise drivers. The application uses machine intelligence to uncover all the patterns and relationships within a provider’s claims-related data. Hospitals benefit from using Ayasdi for Denials Management to conduct a retrospective analysis of hotspots of denied claims and determine the causes for denials. The uncovered drivers help them proactively optimize their processes to prevent future denials.

Summary

There is a tremendous opportunity for government and public sector organizations to tap into the massive amounts of complex and diverse datasets at their disposal to find important insights that accelerate mission outcomes and improve the efficiency, quality and cost-effectiveness of the services they deliver. Based on 10 years of R&D of our TDA platform, our applications help organizations discover critical insights from complex and disparate data, enabling them to make better predictions and decisions for the future.
About Symphony AyasdiAI

Symphony AyasdiAI, part of the SymphonyAI Group, is the world’s most advanced artificial intelligence software company. Symphony AyasdiAI helps organizations discover new and valuable insights in enterprise data. With unprecedented accuracy, transparency, and speed. Built upon over a decade of research and experience, Symphony AyasdiAI delivers insights to Fortune 500 companies and public sector organizations to capture growth, avoid risks and manage inefficiencies. [www.ayasdi.com](http://www.ayasdi.com)

A Symphony Group Company

The SymphonyAI Group is the fastest growing and most successful group of B2B AI companies, backed by a $1 billion commitment to build advanced AI and machine learning applications that transform the enterprise. Symphony AI is a unique operating group of over 1,600 skilled technologist and data scientists, successful and proven entrepreneurs, and accomplished professionals, under the leadership of one of Silicon Valley’s most successful serial entrepreneurs, Dr. Romesh Wadhwani.