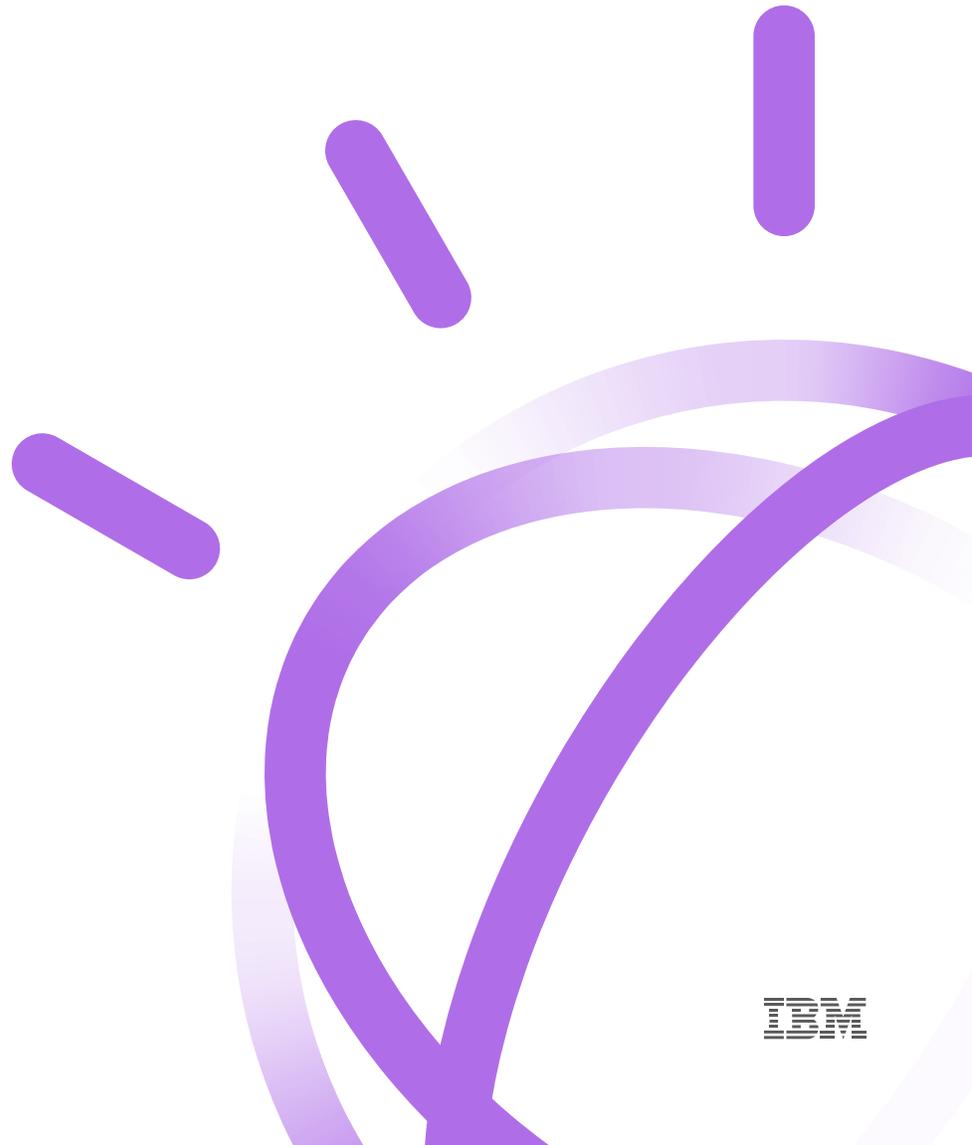


Solution
Brief

IBM Explorys EPM Application Suite

SaaS-based solutions for
healthcare transformation



Watson Health™

IBM

Highlights

- SaaS-based applications that enable rapid population management, performance, and measurement
- Identify opportunities, measure performance towards objectives, and engage providers, care coordinators, and patients
- Bridge the data gap across each venue of care and an increasingly diverse delivery model
- Robust attribution engine for aligning providers to panels and performance metrics

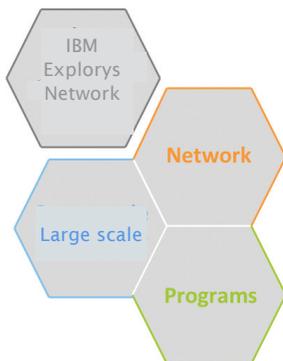


Figure 1:
The IBM Explorys Platform

Enterprise performance management EPM: Healthcare big data put to work

IBM® Explorys EPM Application Suite is a set of Software-as-a-Service (SaaS)-based applications designed to enable rapid population management, performance measurement, and effective engagement and outreach to patients and providers.

The IBM Explorys Network

The IBM® Explorys Network consists of 26 leading healthcare networks comprising over 400 billion data elements, 64 million unique cared-for-lives, 360 hospitals, and over 920,000 providers. This expansive “network” enables collaboration and collective intelligence that drives discovery into newer and improved models for care delivery and quality.

The IBM Explorys Platform

The IBM® Explorys Platform is one of the industry’s first large scale private cloud computing framework for healthcare data exploration, measurement, and engagement. The IBM Explorys Platform is a combination of provider network, large scale technology, and programs for healthcare transformation. This combination helps providers to bridge the data gap across each venue of care and an increasingly diverse delivery model. The IBM Explorys Platform includes secure data collection, curation, and governance necessary for operating in complex collaborations as well as a state-of-the-art attribution engine for aligning providers to panels and performance metrics.

The IBM Explorys Platform also unifies and enables apps, both from the IBM Explorys EPM Application Suite and third parties, to deliver powerful insight into at-risk populations, provider performance, and addressable risk for managing even better outcomes and costs.

The IBM Explorys EPM Application Suite

The IBM Explorys EPM Application Suite is a set of Software-as-a-Service (SaaS)-based applications designed to enable rapid population management, performance measurement, and effective engagement and outreach to patients and providers. These applications were built to easily identify opportunities, measure performance toward objectives, and engage providers, care coordinators, and patients.

Designed for off-the-shelf use, these applications were built to run on standard web browsers and utilize industry standard user interfaces and security mechanisms within a healthcare compliant framework.

Population and performance management

Effectively managing patient populations and care teams is core to quality improvement and cost reductions. The rising costs of healthcare and the demand for better outcomes drives an expectation among payers and patients for providers to more effectively leverage their data to improve quality, delivery, and patient satisfaction.

IBM® EPM: Explore provides sub-second ad hoc search across populations, providers, and care venues. EPM: Explore enables clinicians, quality officers, analysts, and researchers to search, compare, and analyze correlations across billions of data points in your enterprise or the universe of participating systems in the IBM Explorys Network.

IBM® EPM: Measure application is an integrated framework for correlating clinical, operational, and financial events into action-driven benchmarks and scorecards for comparison at the enterprise, department, provider, and patient levels. Designed to serve multiple roles and audiences within a healthcare organization, EPM: Measure enables senior leadership, quality officers, care coordinators, and individual providers to establish benchmark targets, view historical performance against those targets, and take action based upon specific information.

EPM: Measure includes a set of Starter Pack templates and data visualization features such as historical trend lines, comparative bar graphs, and motion charts that provide a multidimensional representation of data to reveal trends and correlations in performance. Users can edit or create their own measures using the flexible Watson Health™ Measure Definition Language (MDL). Starter measure categories include health and wellness, operational metrics, and disease management for diabetes, heart failure, hypertension, and coronary artery disease.

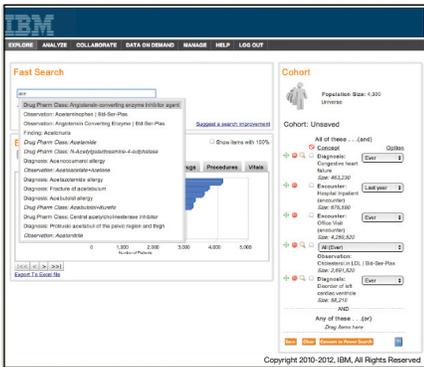


Figure 2:
EPM: Explore

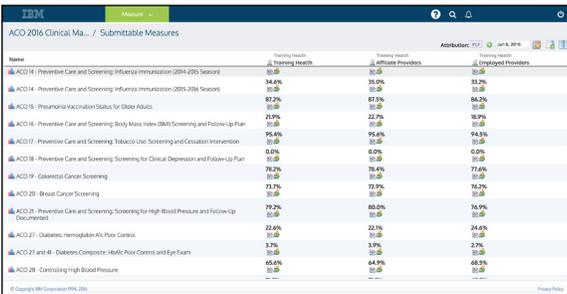


Figure 3:
EPM: Measure

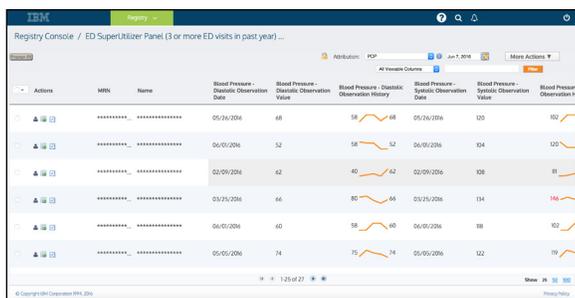


Figure 4:
EPM: Registry

IBM® EPM: Registry is an integrated framework for producing criteria-defined patient lists accompanied by extensive clinical, financial, and operational data. EPM: Registry enables you to quickly identify your target population and view data that empowers decision-making and risk stratified care management. Watson Health's flexible attribution models, business-rules engines, and sorting and filtering functions enable registries to be defined as broadly or narrowly as necessary to fit your operational needs.

EPM: Registry displays a matrix of rows (patients) and columns (data elements) that can be added to, removed, sorted, and filtered as needed. EPM: Registry includes a Starter Pack of three registries: Diabetes, Heart Failure, and Hypertension. Users can edit the starter pack registries or use the flexible EPM: Registry Definition Language (RDL) to build a registry from scratch.

Engagement and outreach

Putting discovery and measurement into action is key to the success of a pay-for-performance or accountable care model. Effectively engaging your shared patients/members at the right time and priority, as well as through the right channel, is very important.

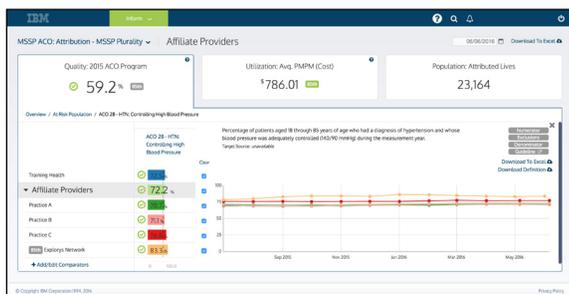


Figure 5:
EPM: Engage

IBM® EPM: Engage is an integrated solution that plugs into other applications within the IBM Explorys EPM Application Suite for managing work lists, workflow, follow-up, and outreach actions with patients or providers. Messages and reminders may be sent in a secure manner through existing EHR patient portals or directly through email or physical mail. EPM: Engage provides a communication template framework that helps to ensure consistency and message appropriateness, and to support both internal privacy policies and HIPAA and HITECH requirements. The application also supports a range of user roles which help care teams to operate within the policies and frameworks for patient interaction.

About IBM Watson Health

In April 2015, IBM launched IBM Watson Health and the Watson Health Cloud platform. The new unit will work with doctors, researchers and insurers to help them innovate by surfacing insights from the massive amount of personal health data being created and shared daily. The Watson Health Cloud can mask patient identities and allow for information to be shared and combined with a dynamic and constantly growing aggregated view of clinical, research and social health data.

For more information on IBM Watson Health, visit: ibm.com/watsonhealth.

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Note: Statistics and testing provided by the Explorys Analytics Team and Definitive Healthcare, which provides powerful intelligence on hospitals, physicians, and healthcare providers;
<http://www.definitivehc.com/>.

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