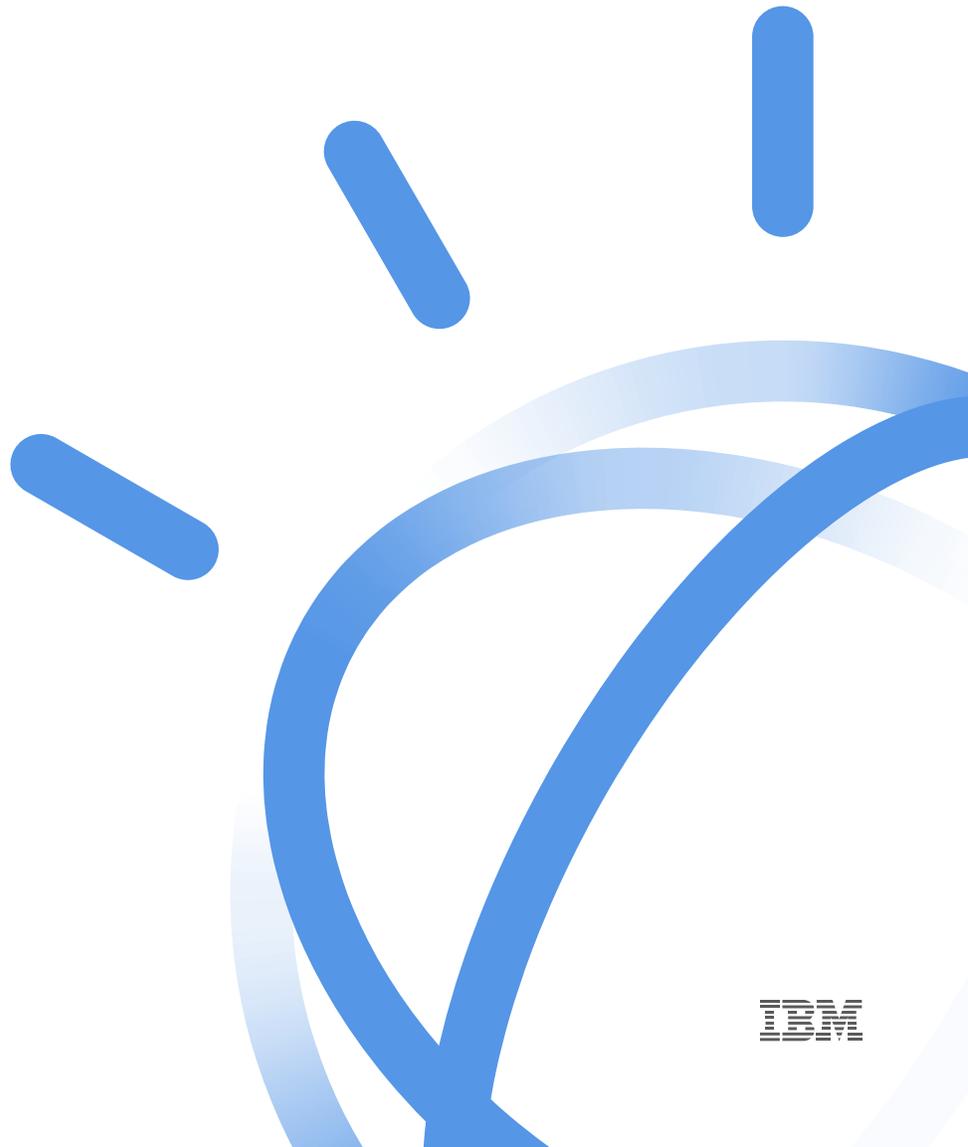# IBM Explorys
EPM: Explore

High-speed search across millions of patients and billions of facts

Watson Health™

IBM

- Utilize industry standard user interfaces and security mechanisms within a healthcare compliant framework
- Quickly search and browse populations and billions of data elements
- Statistically powerful scale and quality detection, assessment, and understanding of pharmacovigilance initiatives
- Enable users to identify underserved market segments and future research and development opportunities
- Facilitate faster and more accurate trial recruitment
- Assist users in mapping clinical records across disparate healthcare providers and clinical coding standards
- Enable users to establish trusted private collaboration networks in a secure environment

Healthcare big data put to work

The IBM® Explorys EPM Application Suite
The IBM Explorys EPM Application Suite is a set of Software-as-a-Service (SaaS)-based applications that enables rapid population management, performance measurement, and effective engagement and outreach to patients and providers. These applications were built to help users 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 health industry standard user interfaces and security mechanisms.

Browse the crowd in seconds

IBM® Explorys EPM: Explore enables care and quality program designers to search and browse populations and billions of data elements surrounding diagnoses, treatment, outcomes, costs, and demographics. Users can analyze relationships, correlations, temporal events, and historical trends or, if permitted by the customer's data sharing policies, at the detailed patient level. This helps enable the instant identification of disease hotspots, gaps in care, disengagement of patients, and inefficient variations in treatment. It can help users illuminate over-utilization of expensive venues, procedures, or medications that can contribute to higher costs and potentially put reimbursement at risk. Authorized users can also download datasets for further analysis, predictive modeling, or incorporation into third-party reporting, analytics, or business intelligence tools.

.01 second

Users can ask questions....about virtually any population of patients, any set of diagnoses, treatments, and outcomes, and get answers in practically milliseconds

Figure 1: EPM: Explore's intuitive, fast interface allows for continuous conversations with health data
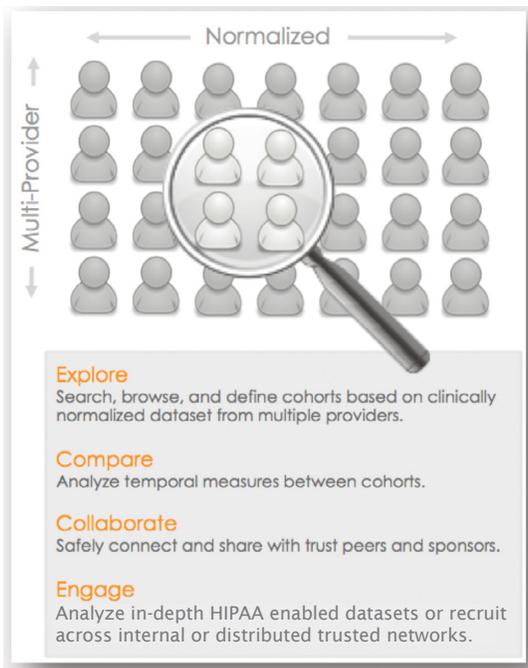

Figure 2: Explore, compare, collaborate and engage health populations with EPM: Explore

Watson Health
IBM Explorys
EPM: Explore

Improved safety
EPM: Explore can help users enhance pharmacovigilance initiatives by providing statistically powerful scale and quality for detection, assessment, understanding, and prevention of adverse effects and associations.

Insight into new market opportunities
EPM: Explore can help users provide insight into characteristics and comparative outcomes within population subsets to help users identify underserved segments where drugs may be more effective, as well as new opportunities for future research and development.

Faster and more accurate trial recruitment
EPM: Explore can help users accelerate and improve the quality of trial cohort identification. By utilizing the scale and security of the Watson Health™ private network of healthcare providers, trial sponsors can save money and prevent and potential lost market opportunities.

No more underpowered analyses
The Explorys HIPAA-enabled Platform unifies de-identified clinical data across an expanding network of healthcare providers and electronic medical record platforms, providing longitudinal insight spanning millions of patients, diagnoses, treatments, and outcomes.

One view across disparate settings and standards
The Watson Health Data Curation Engine maps clinical records within both in-patient and ambulatory settings across disparate healthcare providers and clinical coding standards into normalized classifications and ontology.

This enables standardized comparative analysis of outcomes and populations across demographic, diagnosis, procedure, observational measures, and drug and device combinations.

Connect, collaborate, and share
EPM: Explore helps enable sponsors, CROs, researchers, and investigators to establish trusted private collaboration networks that comply with rules and policies for research and inter-organization privacy standards. Features enable users to:
– Search, browse, and save cohort definitions
– Establish comparative metrics based upon temporal outcomes linked to defining diagnoses, treatments, or events
– Collaborate and share findings between trusted peers on the Watson Health secure network, while complying with HIPPA.

It is browser-based (no installation necessary!)

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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