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BIG DATA SPECIAL

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100 Most Promising Big Data Solution Providers - 2017

Data generation and utilization continues to grow by leaps and bounds and with it the investments in big data analytics solutions and services. By the same token, data scientists are now propelled to expand their research to develop newer applications that drive further transformations in the big data landscape.

In present times, companies worldwide are starting to espouse newfangled big data technologies whereby they can establish viable partnerships, delve into new markets, and transform their businesses into a data-driven brand. This scenario is further getting augmented with the big data's growing prominence in the development of artificial intelligence (AI) and deep learning applications. For the coming times, the increasing adoption of AI and machine

learning alongside the spawning of IoT applications is going to be the key to success for data-driven enterprises.

Companies striving to excel in operational productivity and mount higher in the big data value chain look for the best solution providers. To help CIOs negotiate this burgeoning landscape, CIOReview's distinguished panel comprising CEOs, CIOs, VCs, industry analysts along with its editorial board has reviewed the top big data solution providers and shortlisted the ones that are at the vanguard fulfilling the urgent demands of the industry. The listing offers a look into how these solutions are put to use, thereby enabling you to gain a comprehensive knowledge as to how they will optimize businesses.

We present to you CIOReview's 100 Most Promising Big Data Solution Providers - 2017.



Company:
 Clinigence

Description:
 Leveraging interoperability standards and facilitating data warehousing technology to help physicians and clinicians enhance their performance and improve the quality of patient care

Key Person:
 Jacob 'Kobi' Margolin
 Founder & CEO

Website:
clinigence.com

Clinigence

Empowering Clinicians to Increase Value

As payment for U.S. healthcare services transition from volume to value, clinical quality and patient outcomes have a great role to play in the finance of hospitals and clinical practices. Having been accustomed to decades of volume-based remuneration, physicians now tend to resist any change that 'slows them down.' As a result, Care Delivery Organizations (CDOs) today find it rather challenging to habituate their physicians to a new culture of continuous performance improvement. To rescue CDOs from this downside, Clinigence steps into the arena with its provision of effective solutions to support physician engagement. The firm leverages data as recorded in EHRs to deliver critical information to physicians and their staff that they can use to improve performance without slowing them down. This enables care providers to be in a continuous cycle of improvement that is the key to success in value-based care transformation.



Jacob 'Kobi' Margolin

“We want every clinician in the country to know their patient’s needs and gaps in care at the point of care”

“Fueling a continuous cycle of improvement starts with leveraging the right data,” claims Jacob ‘Kobi’ Margolin, Founder and CEO, Clinigence. However, numerous population health technologies bank on healthcare claims data for retrospective evaluation of cost and service utilization. This data is not as helpful when it comes to engaging physicians as it is seldom up-to-date, does not show clinical statistics and results, and brings in insurance data that wary doctors. Hence, Clinigence resorts to EHR data as the principal source and augments it with claims data as and when necessary. “By doing so,” Margolin remarks, “we provide physicians with information that is current, clinically rich and trustworthy.”

The unique power of Clinigence is that it can integrate with any EHR application in a matter of weeks and requires no support from an EHR vendor. Conversely, if the data is hosted by a third party source, the firm seeks physical access to the data. “Our integration methodology leverages our unique semantic architecture to “hyper-deconstruct” any (EHR relational) database, extract all structured data and load them into our cloud-based (clinical) data warehouse,” Margolin elaborates.

Over the years, the physicians had one simple message: “We don’t have time for dashboards and analytics; we are busy seeing patients. Just tell us what we need to do for the patients we are seeing today to improve their health.” Clinigence introduces Clinigence

Huddle Report (CHR)—an ingenious tactic to cater information to physicians in a way that befits their demanding workflow. This feature extends real-time visibility into business performance thereby detecting gaps in care for individual patients.

Most importantly, the firm offers its solutions on a SaaS model transferred from the cloud over the web. Although the espousal of cloud-based technologies in healthcare began significantly late, Clinigence has been swift enough to render clients maximum cloud benefits without compromising on security and privacy. Drawing on a collaborative approach to their clients, the firm paves the way for innovation.

In an instance, a small group of family doctors in Texas that, by deploying the Clinigence solution, took home an ROI of over \$25,000 in shared savings which was 100 times more than their investment. The best part is the client was able to uplift the quality of care by 15 percent within just two years exclusively through physician engagement.

The company has a single vision: we want every clinician in the country to know their patient’s needs and gaps in care at the point of care. “We are leveraging the latest interoperability standards to push this information into point-of-care systems, and where standards are insufficient, we find imaginative ways, such as the CHR,” concludes Margolin. **CR**