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HEALTHCARE 50 SPECIAL

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50 Most Promising Healthcare Tech Solution Providers 2015

Healthcare is in the middle of a transformation--a transformation driven by technologies. The emerging trends from wireless sensor technology and remote patient monitoring to Big Data analytics and electronic patient portals are redefining where and how healthcare is being delivered.

In this scenario, for the healthcare providers who are still resistant to technology, there is a big problem on hand: They are going to be left behind in the competition. In this technology "revolution", the major part is played by Electronic Health Records, which is facilitating the seamless flow of data. The goal is for doctors, nurses, patients, researchers, and insurers to share useful medical data for enhanced care delivery. Another catalyst in this revolution is the ever-increasing ubiquity of mobile and cloud platforms that surpass merely the ability to track in real-time a patient's health. These platforms capture the data from disparate sources such as wearables, phones and glucometers, and pulls it all together to give a patient and caregiver a holistic and real-time view of the patient's health.

A recent report from Accenture also points to a new trend

on the rise--emergence of machines. It's all about 'digital self scheduling'-- sharing patient's own EMRs, training machines and connecting with physicians via social platforms. According to the study, 66 percent of health systems in the U.S. will have self-scheduling by the start of 2020. And nearly half of health execs strongly agree that within three years, they'll need to focus on training machines just as much as training employees.

As more healthcare organizations invest in these technologies and system capabilities, they're seeing positive results. The implications for privacy are numerous and worrisome, but so are the consequences of not seizing this opportunity to save lives and improve quality of life.

In this scenario, in order to simplify and assist CIOs identify the right Healthcare Technology solutions; CIOReview presents "50 Most Promising Healthcare Tech Solution Providers 2015." A Distinguished panel comprising CEOs, CIOs, VCs, analysts, and the CIOReview editorial board has selected the top solution providers. In our selection process, we looked at the vendor's capability to fulfill the need for cost-effective and flexible solutions that add value to the Healthcare landscape.



Company:
AnesthesiaOS

Description:
Developed by Anesthesiologists, AnesthesiaOS is a cloud-based, modular EHR formulated for speed, intuitiveness and mobility

Key Person:
Terrence Ray,
C.P.A.
CEO

Website:
anesthesiaos.com

AnesthesiaOS

Navigating a Changing Healthcare Landscape

Presently the evolving healthcare landscape places an urgent emphasis on improving the quality of patient care and reducing overall costs. A combination of regulatory and marketplace forces, such as profitability, consolidation trends, shifting ownership patterns and changing federal reimbursement policies, create a compelling need to leverage technology to improve clinical outcomes, lower costs and effectively management operating margins. More significantly, the proliferation of new technology in healthcare is rising and is creating new opportunities. “We see most healthcare organizations are pivoting towards more advanced technologies such as electronic medical record (EMR) and finding ways to better manage patient records while creating smarter workflows,” states Terrence Ray, C.P.A. CEO, AnesthesiaOS. Based in Houston, TX, AnesthesiaOS leverages new technologies with the vision of advancing medicine by creating smarter workflows has built a cloud-based, modular EHR that focuses on the mobility of an enhanced patient care experience and not the mobility of a particular device and/or workstation.

The Anesthesia platform is uniquely designed as a multi-platform Anesthesia Information Management System [AIMS] and enhances workflow and transforms point-of-care clinical documentation through effortless data capture via a web portal, Windows Surface Pro tablet, iPad or any Web-Enabled device. “The platform allows any provider to easily complete an anesthesia record within minutes while focusing on the quality of patient care and not merely documentation,” says Christopher Ray, M.D. CTO, AnesthesiaOS.



AnesthesiaOS has partnered with DELL and Microsoft and leverages their innovative technologies and world class services to offer advanced analytics as well as enterprise wide deployable solutions. AnesthesiaOS provides an advanced ad-hoc Business Intelligence engine, which allows providers to create any desired clinical and/or performance report. “The tool uses a very intuitive drag and drop process to create reports that can evaluate metrics such as the amount of use and wastage of all controlled substances, quality metrics, OR performance, or details about any one or group of procedures.” affirms Christopher.

Customers leverage AnesthesiaOS and its robust business intelligence to improve healthcare efficiency and effectiveness. In an implementation highlight, one of AnesthesiaOS’clients was facing challenges in their surgical operations, which occurred at multiple locations. As these were occurring at

many different locations, there was a lot of paperwork to be done—at least five different sheets of paper for each patient had to be combined together along with the anesthesia record and sent back to billing companies. It became a logistical nightmare in running the business and making sure all the data was present. In summary, AnesthesiaOS was able to eliminate the paperwork resulting in a smarter workflow. Furthermore, all signatures and data were documented digitally with the company’s software solution.

“**The platform allows any provider to easily complete an anesthesia record within minutes while focusing on the quality of patient care and not merely documentation**”

In the days to come, AnesthesiaOS is focused on delivering valuable insights to providers at the point of care through machine learning. “By effortlessly capturing all the data that is lost with paper related workflows, we improve the point of care experience but we also learn from each and every patient care episode. An important aspect of our vision is to leverage predictive analytics and machine learning to assist providers with making better clinical decisions which will ultimately improve the quality of care.” concludes Christopher. [OR](#)