

# THE DOCTOR'S TABLET

The official company newsletter of ABC Lifesciences Co.



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## PUSHING PAST BOUNDARIES IN CARE DELIVERY

Written by Dr. John Doe

There's nothing quite as exciting as artificial intelligence right now and with a rapid growth and exciting opportunities surrounding - it's the best time to utilize its potential for healthcare. The use of artificial intelligence within the healthcare industry is expected to grow rapidly at an annual rate of 40% through 2021 - to \$6.6 Billion, from approximately \$600 Million in 2014. AI engines can reduce and mitigate risk of preventable medical scenarios in three critical ways:

**Automate reminders** - Great for helping patients take medication within a specific timeframe.

**Identify people at high risk** - Discovering those in need of medical intervention and trigger medical staff alerts to create custom care plans.

**Deliver personalized dosage recommendations** - Based on each patient's unique body chemistry and associated environmental factors.

## ABC THERON FX AS A CLINICAL DECISION SUPPORT TOOL

Written by Dr. Nikola Tesla

Clinical decision support (CDS) provides clinicians, staff, patients or other individuals with knowledge and person-specific information, intelligently filtered or presented at appropriate times, to enhance health and health care. CDS encompasses a variety of tools to enhance decision-making in the clinical workflow. These tools include computerized alerts and reminders to care providers and patients; clinical guidelines; condition-specific order sets; focused patient data reports and summaries; documentation templates; diagnostic support, and contextually relevant reference information, among other tools.

Clinical decision support (CDS) can significantly impact improvements in quality, safety, efficiency, and effectiveness of health care. The Office of the National Coordinator for Health IT (ONC) supports efforts to develop, adopt, implement, and evaluate the use of CDS to improve health care decision making. We aim to help the health care industry create the technical infrastructure needed to allow health systems to share data with each other electronically to provide the most complete information possible into CDS systems. Complete records allow CDS systems to help with diagnoses and track for negative drug interactions by having a better view of a patient's whole health.

A hospital in Alabama decreased its sepsis mortality rates by 53 percent after implementing a computerized surveillance algorithm. Real-time analytics alerted providers to new diagnoses of sepsis or worsening vital signs, and also provided reminders about best practices for treating patients with the deadly condition.



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**Mayo Clinic is currently employing a CDS tool that helps nurses deliver complete and accurate phone screenings of patients.**