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Top Five Digital Health Technologies in 2019

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Constantly evolving, digital technologies are finding new applications in the health sector. Even when the industry continues to struggle with digital transformation, new applications emerge every year. This article takes an in-depth look at the five most progressive technologies that will have a significant impact on the healthcare sector in 2019. These technologies offer solutions to key challenges in various healthcare sectors, just like the PA ILottery bonus code does for casino enthusiasts.

1. AI Will Create The Radiologists Of The Future

Today, radiologists spend long hours carrying out tedious manual tasks when analyzing images. The heavy workload means that they barely have enough time to study the images. That usually leads to errors and misdiagnosis, especially when dealing with large data analysis with an increase in patients.

With semi-automation, AI algorithms can be used for image analysis to save time and increase productivity. Artificial intelligence that learns the user preference will streamline image analysis processes and accelerate them by reducing the number of clicks required to perform a task and cutting down on guessing time.

2. Blockchain Is The Key To EHR Interoperability

Have you ever visited a different hospital and the doctor had trouble accessing your medical history? For doctors, this major challenge results in longer in-patient stays in hospitals, poor referral management, preventable readmissions, and regulatory non-compliance. Moreover, patients would like to easily access their treatment records if they can't remember the instructions.

To improve access to medical records, the Centers for Medicare (CMS) have decided to replace the current EHR incentive program to promote interoperability. That will enhance efforts from hospitals to enable financial and clinical data interoperability for their patients. That enhances seamless data accessibility between third-party and native health IT workflows powered by the blockchain and artificial intelligence.

3. Virtual Clinical Trials Using Wearables And Mhealth Apps

During clinical trials, the pharmaceutical industry faces significant cost burdens in recruiting and retaining patients. Additionally, the cost of on-site monitoring, adhering to the increasing

complexities of clinical trials and regulatory pressure are also major challenges. However, mHealth apps and wearable devices are offering a solution.

Wearables have given birth to the concept of virtual clinical trials. This concept reduces the costs while helping streamline the processes.

4. Augmented Reality Is Revolutionalizing Surgeries

Over the last decade, real-time data streaming and diagnostic imaging have changed the way doctors plan for surgeries. However, that hasn't done much to save time when conducting the surgery. In 2019, experts believe that AR will be fully commercialized and become a futuristic tool in surgical planning, collaboration, and integration to improve the patient's safety.

5. Consumerism And Quantified Self For Health Insurance

The rise of "quantified self" (the act of using personal data to enhance a person's quality of life) has been a transformative force in healthcare. With products and services digitization, the world is welcoming a new era of consumerism the health sector. Experts believe that this technology will increase the popularity of health data and lifestyle-driven health insurance plans.

Bottom Line

In 2019, digital technologies are evolving to offer new solutions to key challenges affecting various sectors in healthcare. The top five applications above, only reflect a small percentage of how digital solutions are constantly changing the health industry. As such, the future already looks great when it comes to promoting patient safety and doctors' efficiency.

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