

5 technical innovations for physician practices

June 25, 2020

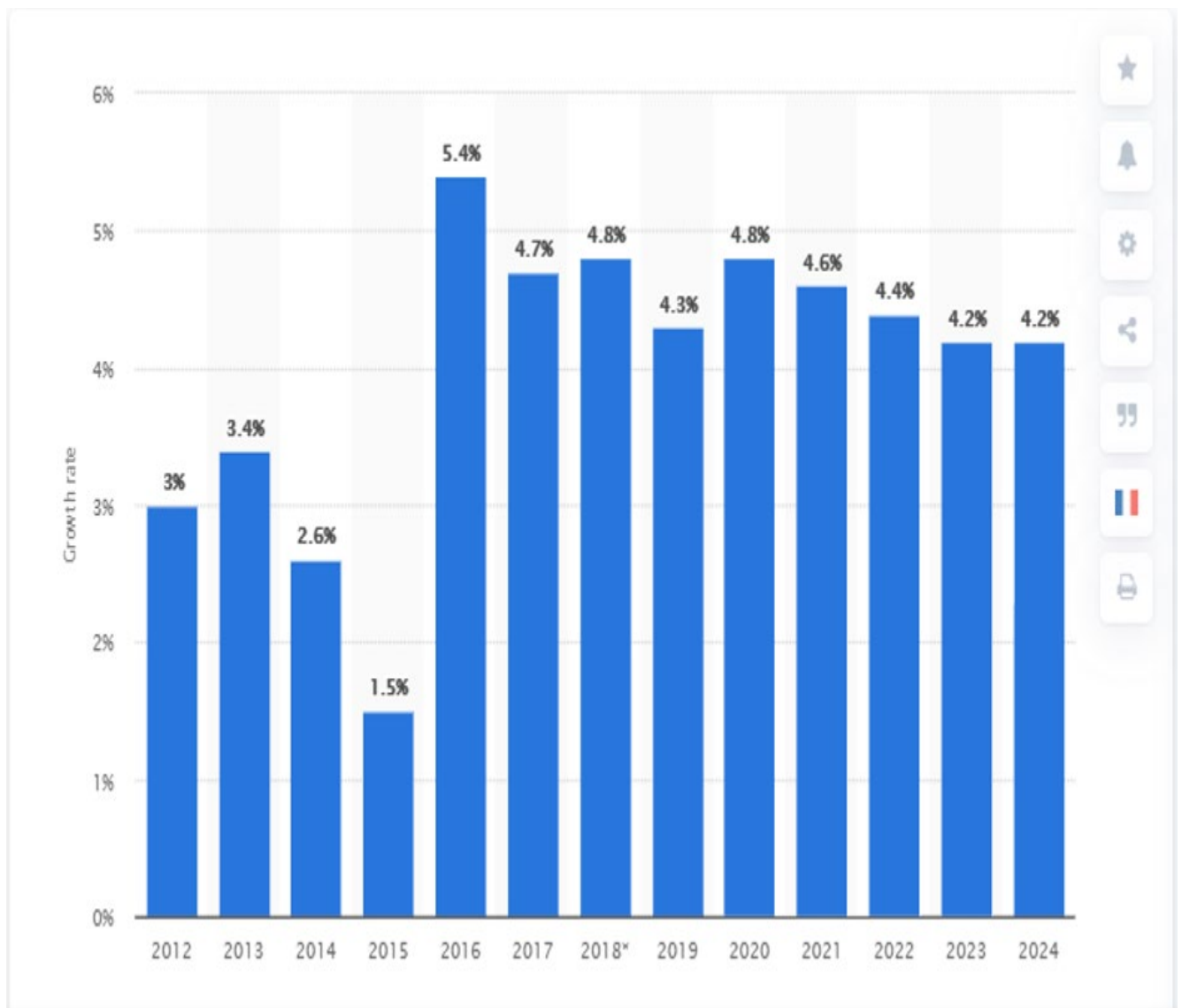
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Relevant Topics

Scale up your practice with these innovations.



In today's world, technology is playing an unmatched role in every industry as well as in our daily lives. Of all of the industries that technology has positively impacted, healthcare remains to be the most significant one.



Worldwide Research and Development Spending Growth Rate in Medical Technology (Source - Statista)

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Medical technology is a comprehensive field where innovation plays a vital role in sustaining health. Areas like pharmaceuticals, biotechnology, medical devices and equipment, and information technology have all made notable contributions to ameliorating the health of people across the globe.

In this piece, we will be looking at a few technological innovations that physicians can incorporate within their practice to scale it up.

Trending: [Keeping up with regulatory changes during COVID19](#)

Patient Engagement Solutions

Physicians can involve themselves with their patients in a better way by leveraging patient engagement solutions such as [healthcare mobile apps to scale up](#) their practice. These platforms help physicians to stay in touch with critical patients, and both can exchange essential updates. The physician can also offer guidance for small ailments the patients face.



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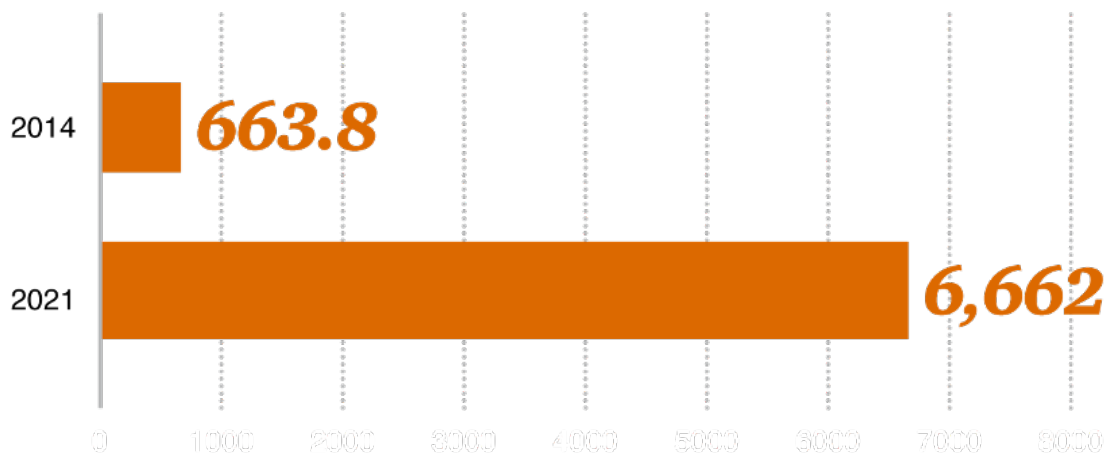
(Source: [SAG ipl](#))

At the same time, patients can easily keep a track of their blood pressure, blood glucose level, physical activity, scheduled medicines, and so on. These features within the app not only help patients to maintain their health but also provide the physician with essential data whenever required in a hassle-free manner, further motivating physicians to achieve better patient outcomes.

Artificial Intelligence

The application of Artificial Intelligence (AI) is developing rapidly in healthcare.

Figure 1: Artificial Intelligence Market for Healthcare Applications, World, 2014, 2021 (in Millions)



Source: Frost & Sullivan 2016 Transforming healthcare through artificial intelligence systems

artificial intelligence market for healthcare applications, world

(Source: pwc)

Diagnostics is one of the many ways AI is transforming clinical care. Utilizing AI to detect data patterns that are comparatively difficult for humans to trace can provide a deeper understanding of certain diseases and new insights into their mechanism of progression. Beyond diagnosis, it will also enable personalization and evidence-based optimization of treatments within the physician's practice.

Physicians can also use AI to examine their discussions with patients, take notes, and enter required information directly into [Electronic Health Record \(EHR\) systems](#). These applications will gather and study patient data, then present it to the physician.

Automation

Automating manual processes of a physician aids the administering of important patient information in an efficient, fast, and precise manner. By leveraging an integrated physician-patient workflow system, physicians gain benefits of both time and accuracy in the sharing of billing and other clinical information.

A few years down the line, the capabilities of EHRs to generate and extract data in as close to real time as possible will be reinforced further via new application programming interfaces and novel ways to harness data. This can optimize patient care in the clinical setting as practitioners get the information they need at just the right time in just the right setting and greatly reduce physician burnout.

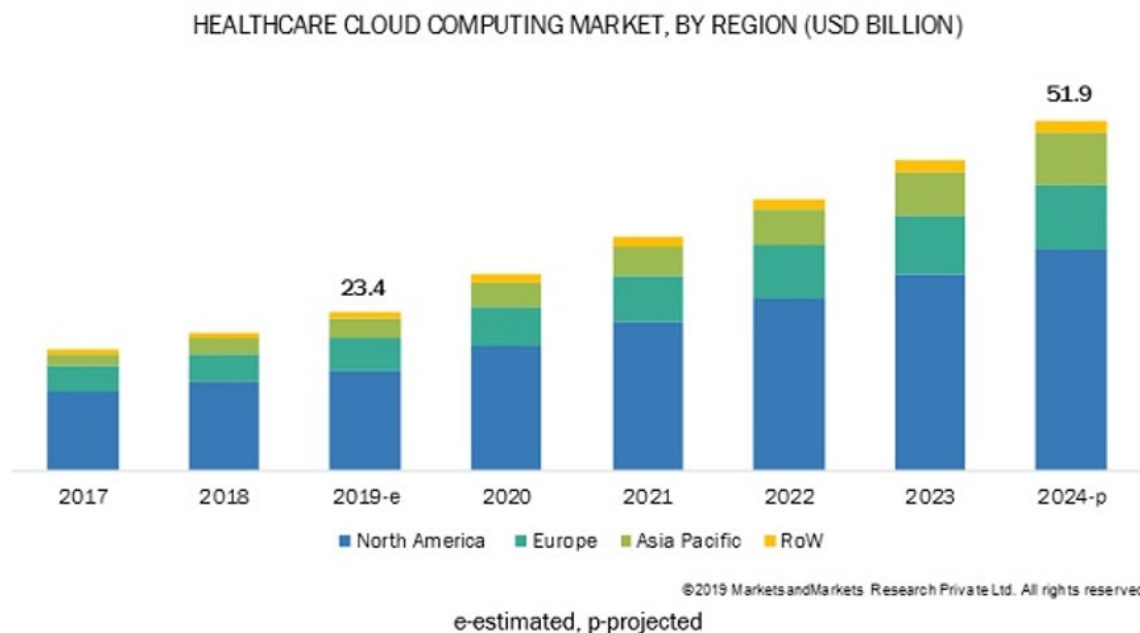
Read More: [5 questions to ask about wRVU compensation](#)

Cloud Computing

Cloud computing is a robust solution that enables physicians to leverage a network of remotely accessible servers wherein they can store large troves of data in a secured manner.

According to [one recent report by BCC Research](#), the global healthcare cloud computing market is anticipated to hit \$35 billion in the next 2 years, with an annualized growth rate of 11.6%.

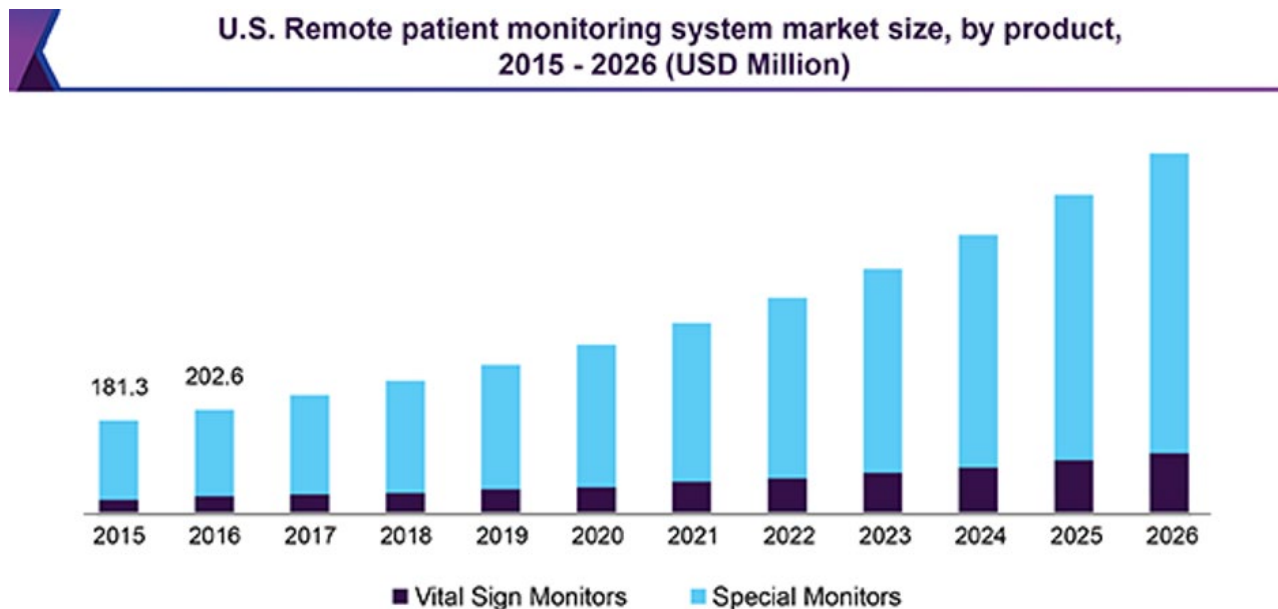
Physicians can now easily outsource data storage and security with HIPAA-compliant cloud storage platforms. These platforms provide data storage of patient EMRs that abides by legally mandated requirements for data privacy and security.



healthcare cloud computing market

(Source: [MarketsAndMarkets](#))

Remote Monitoring Solutions



u.s. remote patient monitoring system market size, by product 2015-6

(Source: Grand View Research)

Remote patient monitoring solutions make patients active participants in maintaining their health. When your patients feel more empowered in the process of acquiring care, they will naturally become more invested in improving their health with your guidance.

[Wearable healthcare technology](#) provides an excellent means for patients to share data with their physicians. These devices track things like exercise routines and sleep patterns, which have a significant effect on holistic wellbeing, but aren't included in medical records.

With regular, remote updates provided willingly by patients, doctors will be able to see less congested waiting rooms, as well as improved patient health overall