

TOP TECH TRENDS IN

Healthcare Sector

POISED FOR GROWTH IN

2022



According to the Centers for Medicare & Medicaid Services (CMS), National Health Expenditure (NHE) was **\$12,530** per person in 2020, accounting for roughly **19.7%** of GDP.



A study by Humana Inc. revealed that over **25%** of US healthcare spending is wasted, which can be attributed to administrative difficulties, duplicate services, unnecessary treatments, prescription pricing, and readmission rates.

Now, with the struggles of **COVID-19**, it's no wonder that digital technologies are changing the healthcare business this year. So, let's look at these developments and how they'll affect healthcare in 2022. In this infographic, we'll look at the **top six healthcare technology trends for 2022**.

1 ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) is a promising healthcare technology that allows for automated service delivery. The following are some of the applications of AI in healthcare:

- Collection, management, and processing of a large amount of data.
- Deriving important information patterns for future implementations.
- Using chatbots to provide human-free communication.

According to a study, the value of AI-powered healthcare services would exceed **6.6 billion dollars** in the next years.



2 WEARABLE DEVICES & SENSORS

Wearable technology in healthcare might be a promising approach for ensuring that everyone has access to assistive healthcare. The following are some of the most frequent wearable gadgets used in hospitals and remote care:

- ECG monitors
- Biosensors, Smart health watches
- Blood pressure monitors, etc

Overall, wearable technology in healthcare is predicted to change traditional methods and improve services by **75 percent** in the future.

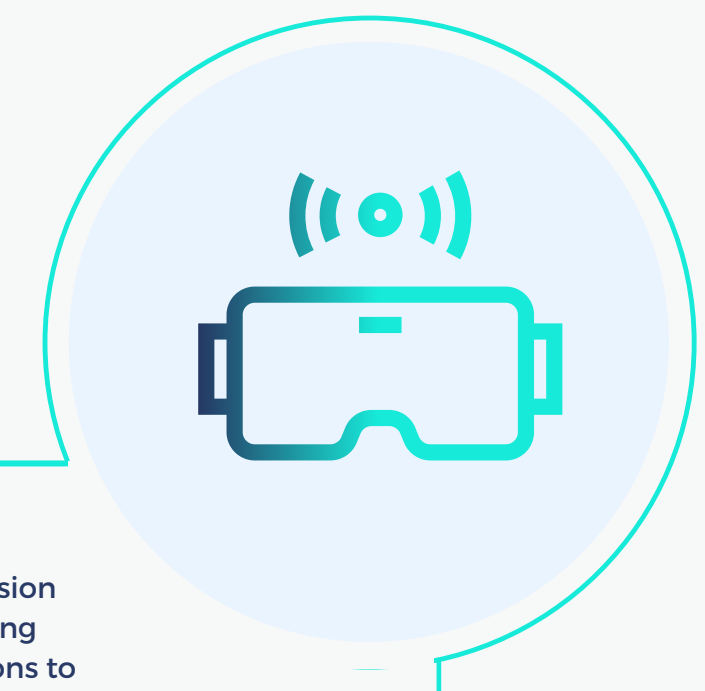


3 VR AND AR AUGMENTATION

AR and VR have been at the forefront of transforming the experiences of both patients and healthcare providers recently. The following are some of the most popular applications of virtual reality in the healthcare industry:

- Essential medical knowledge is being imparted to physicians and surgeons through virtual training.
- Medical personnel and surgeons are being assisted with surgeries and practice procedures.
- Research & development industry has been strengthened to provide future healthcare professionals with better study materials.
- Team discussion when making critical decisions to obtain patient consent has become easier.

According to Harvard Business Review research, surgeons who have received VR training perform **230 percent better than those who have not**.

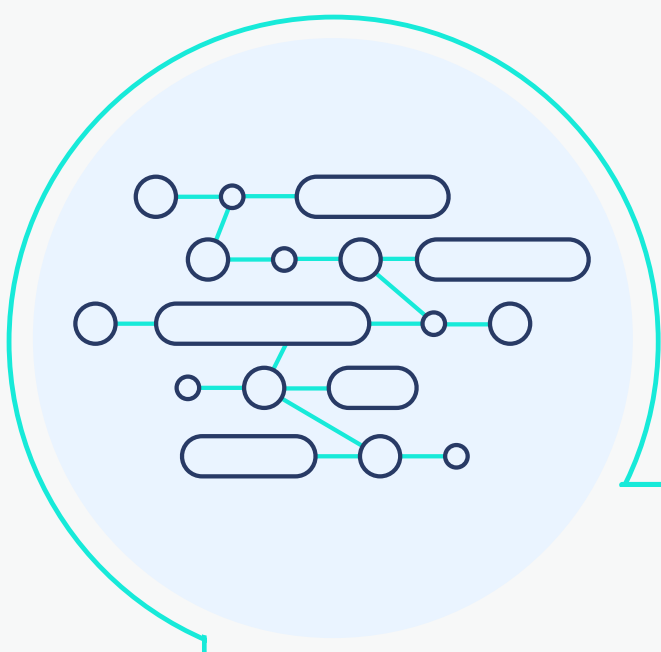


4 BLOCKCHAIN TECHNOLOGY

Blockchain technology is expected to be the next big thing in the healthcare industry, ensuring safe and streamlined service. The following are examples of blockchain applications in healthcare:

- Data protection and secured access methods.
- Improving the collection, management, and processing of patient data & insights.
- Enhancing the usage of healthcare applications for paying medical bills and conducting safe online transactions.
- Assuring the highest level of protection for sensitive patient information.

As a result, by 2025, the healthcare sector's utilization of blockchain technology is estimated to **exceed \$5.61 billion**.



5 CLOUD COMPUTING

Cloud computing has evolved as a profitable technology that is boosting several organizations and sectors throughout the world, including the healthcare segment. In the healthcare industry, cloud computing is used in:

- Creating self-contained systems that require less management and are more productive.
- Streamlining data flow via cloud-based technologies. Providing authorized users with data storage and remote access.
- Ensuring consistent performance even at the most remote locations.
- Improving team cohesiveness and cooperation. Also increase the efficiency of patient-doctor communication.

The cloud-healthcare sector would increase above **64 billion USD by 2025**, with prior annual cloud computing sales calculating up to 28.1 billion in 2020.

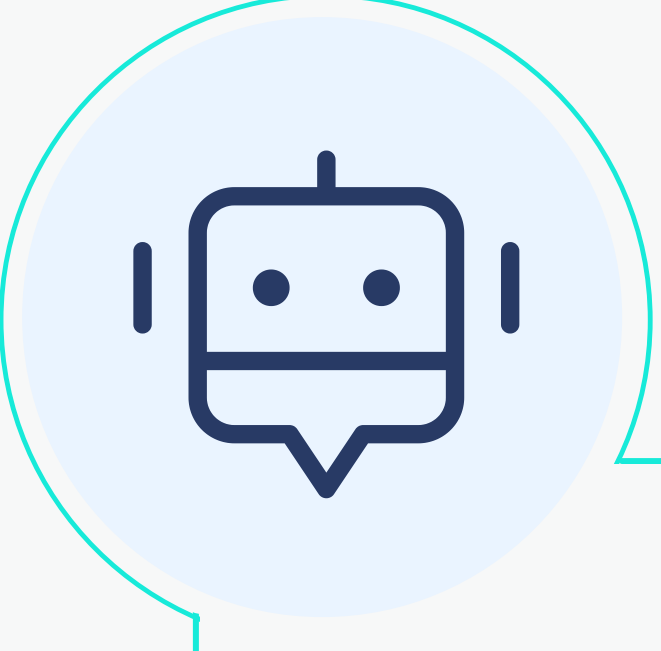


6 ROBOTICS

Still, in a nascent stage, Robotics is one of the most intriguing technical breakthroughs in healthcare. The following are some of the most prevalent applications of robotics in the healthcare industry:

- Surgical and assistive robots help both patients and medical professionals during surgeries and treatment.
- Robotic companions can help you maintain your health daily if you have no one to take care of you.
- In instances like the pandemic, disinfectant robots could play a crucial role in keeping your home free of germs.
- Patients can also manage and monitor their health issues with the help of self-assistive robots.

Furthermore, the **Exo Skeleton robot** has shown to be a successful implementation in providing surgical assistance. Robotics has also shown promising results when treating individuals with physical ailments, particularly spinal cord injuries.



ScoreDoc is one such advanced technology designed to bridge the gap between you and your potential healthcare service provider. Through ScoreDoc, you can compare online reviews of your prospective healthcare provider on various internet platforms before scheduling an appointment.

Sources

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