

Apex Business Intelligence (ABI)



1. Creating trust in digital information overload:

COVID-19 brought with it the information epidemic, termed by WHO as “infodemic”. This was created due to the influx of false information that was being scattered across various social, physical, and digital environments in the healthcare industry. 2022 brings providers to focus on enhancing access to trusted information and evidence-based quality rich health content for patients and professionals. Offering content that emphasizes patients’ experiences, enables clinicians to provide accessible and accurate health information. Hence, this is a key element in this information-saturated environment to create trust with patients in the age of digital information overload. This crucial component is still missing in the digital health space, as it has mostly prioritized workflow improvements and technological innovations.

2. Telehealth as a crucial unit in healthcare infrastructure

As healthcare technology trends advance into the new year, social distancing and self-isolation have upended care delivery services. This event caused various healthcare organizations, facilities, and clinics to adopt virtual care models and tele health services. For the past few years, healthcare trends have undergone rapid evolution. Hence, it has been observed that tele medicine and tele health services have proven to be beneficial when offering patient care services. Telehealth has become a resilient care delivery model and has established itself as a prominent fixture in the healthcare ecosystem. Providers are expected to strengthen formal training, enhance research, and promote the best practices telehealth has to offer to care delivery teams and patients. Specialties including mental health services and primary care delivery will predominantly shift their base to the virtual care model. This transition will have an immense impact on the history of medical sciences development.

3. Big data technology in Healthcare:

Big data collects massive amounts of health data information by adopting new technology in the healthcare industry. It gathers all patients' medical information and records, utilizing the same to manage hospital and healthcare system performance. Big data as a part of healthcare technology trends are transforming the industry at an increased pace. One of the largest medical systems will be using devices to monitor patients and assist medical professionals and providers with feature-rich quality care services. The big data market globally is expected to cross USD 35 billion in 2022 with a CAGR of 22.07%. Big data technology in healthcare which has been considered an emerging healthcare technology will continue to be motivated to provide better care delivery via EHRs, workforce management solutions, and practice management tools.

4. Growth of IoMT:

Internet of Medical Things or IoMT has been introduced as a connected infrastructure in the healthcare ecosystem. Its main aim is to provide effective care delivery in rural and underserved communities and to patients who are seniors and chronically ill, unable to attend their appointments with their providers. Data integration and innovation in the healthcare environment enable patients in accessing better quality treatment from the comfort of their homes. Health data can now be monitored by attending physicians with the help of personal health monitoring equipment. IoMT can be better categorized under the broad term where every technology of the entire industry improves patient health outcomes. Therefore, the Internet of Medical Things will continue playing a better role in enhancing patient care services.

5. Digital Therapeutics:

Digital Therapeutics or DTx is notable due to its delivery of care via software. Digital health and wellness applications can be determined under digital therapeutics that are already accessible to the patient populations. DTx diverges from the larger healthcare environment and still requires proper regulatory

approval that can be replaced or used alongside necessary treatment. Typically, therapies are conducted through digital spaces that are administered with mobile apps and smart devices. These can be clinician-facing, patient-facing, or a combined version of both. Virtual reality, a subsequent form under DTx is set to make a way in the upcoming decade. This is already in use for planning complicated surgeries, treating developmental disorders, or for medical training through virtual environments.

6. A hybrid approach to care with merging technology in Healthcare:

Telehealth services were considered a novelty before the pandemic and only a small percentage of healthcare facilities offered this service. As we transitioned to our current conditions, the healthcare industry has since observed an immense boom in virtual care services over in-person visits. It has also been noted that patients are expecting their care providers to offer a tele health appointment when going forth with their scheduled visits. Hence, providers will find it to be beneficial by offering tele health services in their practice. This hybrid approach can be considered in providing extended long-term care delivery services.

The hybrid approach of combining in-person and virtual care visits adds to the revenue stream and will keep improving patient experience in the coming years.

7. Prioritizing protection of patient data with risk Management strategies:

Cyber attacks and other ransomware towards healthcare organizations were challenging in 2021. With added risk-related concerns with IoMT, cloud computing, interconnected data systems, and more kept IT leaders occupied in finding the right strategy to manage such risks. IT members and staff are prioritizing risk-management strategies to curb the sudden cyber attacks to protect patient data across the healthcare ecosystem. Implementing the right healthcare data protection with [HIPAA compliance](#) applications can reduce cyber threats and leakage of patient data and information. In 2022, healthcare leaders are looking to strengthen their IT security and compliance further, by enabling better data management strategizing with emerging technology in healthcare.

8. Driving improvement in population Health Management :

Data analytics in healthcare built a point of focus for research amongst providers and researchers. Additionally, they faced challenges with the decision-making approach in real-time due to the rapidly changing circumstances during the pandemic. The requirement to improve, monitor, and respond to population health structures for improving patient health outcomes became a standpoint for public health agencies to consider. Integrating data visualization, implementing enhanced data sharing platforms, and dashboards for viewing population health will be a remarkable success in the new year.

9.Virtual simulation transforming education for nursing professionals:

Online learning and virtual simulation have been predicted to become commonplace when administering nursing education strategies. Healthcare technology has been known to eliminate the traditional roadblocks of staffing challenges as it offers more flexible services and solutions for both professionals and students. Virtual simulation benefits the retention of knowledge and improves clinical reasoning skills. Hence, improving educational outcomes for nursing professionals and students.