EDITORIAL

The healthcare technology needs you

Sumarno Adi Subrata[1] ✉, Jonathan Bayuo[2], Busra Sahin[3]

Author information
[1] Department of Nursing, Universitas Muhammadiyah Magelang, Indonesia
[2] Department of Burn Care, University of Ghana, East Africa
[3] Department of Nursing, Adnan Menderes University, Turkey

✉ adisubrata@ummgl.ac.id

https://doi.org/10.31603/ihs.5265

Abstract
The growing evidence and technology in healthcare improve the patient's health across a continuum of services in clinical and community settings. A multidisciplinary team should work in tandem on this phenomenon. Therefore, innovative healthcare technology must be designed intensively to optimize productivity, provide new insight, and support the standard treatment for particular diseases. In the coming years, technology is needed to change the way of caring for the patient. Updated studies should be developed and published focusing on innovative technology, including in Medicine, Nursing, Pharmacy, and other health-related topics.

Keywords: Healthcare; innovation in technology; patient care; outcomes improvement; chronic illness

The growing evidence and technology in healthcare improve the patient's health across a continuum of services in clinical and community settings. A multidisciplinary team should work in tandem on this phenomenon. Therefore, innovative healthcare technology must be designed intensively to optimize productivity, provide new insight, and support the standard treatment for particular diseases. In the coming years, technology is needed to change the way of caring for the patient. The concept is a fundamental aspect because recent technology has shaped up in front of our practice with advances in digital healthcare services, such as 3D printing, robotics, nanotechnology and even artificial intelligence (The Medical Futurist, 2021).

Some people construct barriers in response to the winds of change, while others build windmills. This Chinese adage reminds us that we are presented with alternatives in times of crisis. These decisions, in turn, influence the future growth trajectories that organisations will take. When the COVID-19 crisis struck, we wrote about how the healthcare industry could pivot from merely supporting core operations to generating quick breakthroughs that saved lives and minimised the pandemic's impact. This was accomplished throughout the fall of 2017. Even if vaccines are being distributed, the winds of change continue to blow strongly as new outbreaks and virus variations continue destabilising our lives and economies. To continue providing an adequate response, sustaining the current rate of innovation will be necessary. Over the previous year, the healthcare industry was subjected to significant disruption in the form of novel business models, unexpected collaborations, and expedited timeframes, which required organisations to reconsider how they carry out their day-to-day operations. There is a good chance that many of these developments will continue. Ninety percent of the industry leaders that we polled, including representatives from pharmaceutical and medical technology businesses, health systems, and payers, agreed that the pandemic would profoundly disrupt how they conduct business, necessitating the development of new goods, services, procedures, and business models.

We conducted interviews with healthcare professionals to gain a deeper understanding of how the priorities of healthcare leaders have altered. In particular, we inquired about their strategies for putting their companies in the best position to accomplish their innovation goals. We asked about the innovative skills they believe will become increasingly important. They focused on two primary areas where the COVID-19 pandemic has brought about significant changes that they anticipate will persist. The healthcare industry has been known for a long time to be behind the curve when it comes to the adoption of digital technology; nevertheless, the pandemic brought a significant jolt of urgency to embrace new tools and technologies. A few months into the epidemic, providers rapidly scaled their offerings. They saw anywhere from 50 to 175 times the number of patients via telemedicine compared to what they had been doing before the outbreak. Providers have also generally embraced digital connection with

patients and communities, such as proactively messaging about COVID-19-related protocols. This is one example of how providers have adopted digital engagement. In the meantime, pharmaceutical and medical technology businesses have increased their investments in digitally enabled clinical trials and models for client involvement.

The pandemic highlighted the extent to which healthcare may be provided remotely, including through virtual care and remote patient monitoring, as well as through virtual cooperation for experts working in the pharmaceutical and medtech industries. However, many aspects of healthcare still require care to be provided in person. This concept allows for greater flexibility and enables organisations to draw from a wider pool of diverse talent than was previously possible. One executive said, "You can now attract anyone, anywhere," concerning the hiring process. Leaders in the healthcare industry are also reassessing established standards in the workplace and implementing new policies, such as providing aid to employees experiencing weariness due to videoconferencing. Another respondent shared that "COVID-19 has shone a light on culture, whether good or bad." As a result, it has prompted participants in the healthcare industry to reevaluate working conditions and offer greater flexibility to staff. For many healthcare organisations to adapt to these transformations and the myriad of other shifts that are coming, they will need to transform their operations and mentalities. Research done in the past indicates that giving priority to innovation during times of crisis can assist in unleashing development during the subsequent recovery, given that leaders approach it with dedication and establish essential competencies and processes.

As was said in our earlier piece, achieving long-term success through innovation entails adhering to eight fundamental practices (exhibit). Even though all eight are significant and cover the entire innovation cycle, from strategy to execution, the respondents to our most recent study agreed that choose, evolve, accelerate, and extend are the four that are currently the most vital and will continue to be so as a direct result of the epidemic. Updated studies should be developed and published focusing on innovative technology, including Medicine, Nursing, Pharmacy, and other health-related topics.

Reference
The Medical Futurist (2021). 10 Ways Technology Is Changing Healthcare. Retrieved https://medicalfuturist.com/ten-ways-technology-changing-healthcare/# (Accessed, July 13, 2021)