The transparency of the therapeutic process

The goals to improve the quality of medical care but being captivated by digital health may bring unforeseen challenges. For instance, the amount of data is enormous. The physician’s options and decisions are now based on the availability of medical data. The number of clinical data that is now available and accessible to the doctor is more than enough. Through improving the information and awareness, patients can be better informed and involved in their healthcare process.

Fresenius Medical Care, one of the world’s largest suppliers of products, solutions, and services to treat chronic kidney disease, is engaged in adapting equipment to the era of digital health. The company provides dialysis treatments for 322,253 patients in 58 countries worldwide.

According to Mr. Ikan, Fresenius Medical Care’s digital approach is focused on improving the availability and accessibility of medical data. "This is the hottest trend in the healthcare world today. Through the use of Artificial Intelligence and algorithms, we are striving to make medical information more readily available and accessible to all. Through improving the information and awareness, patients can be better informed and involved in their healthcare process.”

Mr. Ikan joined Fresenius Medical Care in March 2018. In his last position, he was the General Manager of Philips Israel. Mr. Ikan noted that Israel is becoming a digital health powerhouse because of the technological advances being channeled into digital healthcare.

Almost every medical equipment company is already adapting to digital health. For example, Fresenius Medical Care has a widespread implementation of decision support systems. Fresenius Medical Care uses an electronic medical recording tool that enables 85,000 patients that require regular dialysis to be monitored. This produces data from which death and complication rates can be assessed. The patients that require regular dialysis also have their medications and treatments monitored. The data and various data models are being developed.

According to Mr. Ikan, the next step in the evolution of digital health is applying AI to medical data. “The use of AI is huge in a hospital’s clinical environment. For example, AI can help doctors and patients in improving the flow of information, we can improve the quality of medical services that are received in the center and the periphery, and will enable and increase the remote medical support of physicians.”

According to Mr. Ikan, the volume of clinical data currently available to the physician is huge. As a result, the number one task of every healthcare system is to enable the quick and efficient retrieval of information, so that informed clinical decisions can be made as quickly and accurately as possible.

In the world of healthcare today, the important mission is to make medical information secure and accessible to the patients themselves. “The more information is available and accessible to the doctor, the better the doctor can diagnose the patient. As a result, the number one task of every healthcare system is to enable the quick and efficient retrieval of information, so that informed clinical decisions can be made as quickly and accurately as possible.”

According to Mr. Ikan, the use of information from cyber-attacks is protecting the information. "We are in contact with the Israeli Ministry of Health about disease and treatment, but also with recommendations to lead a healthier lifestyle, drug surveillance applications and tools can provide patients and their families, not only with data about medical conditions they were suffering from such as heart failure and diabetic foot, but also with information on available treatment options. This will be enabled by the implementation of Artificial Intelligence and algorithms, based on smart-data processing.

Mr. Ikan also emphasizes that accessibility of clinical data will also reduce disparities in the healthcare system and technology providers.

"In the world of healthcare today, the important mission is to make medical information secure and accessible to the doctor and the patient as quickly and efficiently as possible.”

Due to a vast array of technologies that digital health covers, the market for it is huge, and is only expected to grow.

The challenge of securing medical information

Mr. Ikan noted that Israel is becoming a digital health powerhouse. “One of the biggest challenges for the digital health revolution is protecting the information. We are in contact with the Israeli Ministry of Health about disease and treatment, but also with recommendations to lead a healthier lifestyle, drug surveillance applications and tools can provide patients and their families, not only with data about medical conditions they were suffering from such as heart failure and diabetic foot, but also with information on available treatment options. This will be enabled by the implementation of Artificial Intelligence and algorithms, based on smart-data processing.

Mr. Ikan also notes that one of the hottest trends in the digital health world is clinical data security, according to Mr. Ikan, “Clinical data security is now a high priority for medical centers and technology providers. Clinical data security is now a high priority for medical centers and technology providers. Clinical data security is now a high priority for medical centers and technology providers.”

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