

# Future of Healthcare

Name-Md.Uruj Akbar Rahman

Roll No-21111029

Email-mduruj9599@gmail.com

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## 1 INTRODUCTION

The future is limitless when we talk in respect of healthcare. Advancement of technology also pushes the boundaries of health care in the aspects of healthcare system. The integration of health care information is critical to the acute, appropriate application of care in a now fragmented health care system. The internet and its related advancing technologies will play a crucial role in patient related healthcare information and how communication systems have impacted healthcare in today's generation. Health insurance firms are also seeking to the net to provide easy to understand based access to member benefits, health and wellness information, forms and claims activity.

## 2 A FUTURE WHERE THE MODE OF APPOINTMENT CHANGES

The present healthcare system is more of a sickcare system, built in the middle of the last century. Although there's been tremendous progress in the field of medical diagnosis and treatments, but the process of care hasn't impacted much. It's largely fragmented methodology where people who are sick or acutely ill are taken care of and treated by the medicos. The chronic disease which in a way take away 70 percent of healthcare budget is way far out of the league of the present system.

Supposedly someone is not feeling well so he/she go and get a check up done by their GP and then run some tests and scans, wait for their results and then get specifically treated. This could be very different if we start looking at healthcare from the perspective of the patient. That is first to help the patient understand that they are the drivers of the impact on their chronic condition so that they get actively involved in managing it.. The aim is to proactively keep them well rather than react when they become ill. This could be done in several ways such as delivering knowledge on management of their health in terms of eating, sleeping, smoking, drinking and regulation of medication on basis of how and what type of illness they get. It's not just telling them what to do (most people who smoke know that it's bad for their health), it's truly engaging them, providing them with smart technology so they can closely monitor themselves and the aspects of their habits affecting their health. They can have devices that will constantly measure the likes of their heart rate, blood pressure, breathing, weight or other activity levels. Both the person and remote-care team can monitor their health. Patients can be engaged through social networks which are actively designed for the purpose of health "Care Hubs" can act like a control centre, looking at the health of the masses, based on a combination of streaming information from the patients and the health records they keep. They could help patients who shows any need of indication the need of support, either by a two-way video consultation or a visit. We're essentially talking about a 24-hour connection between the patient and those monitoring them. Chronic patients have to live with the condition 24/7, so the care should reflect that.



Figure 1: ROBOT INTERACTING WITH AN ELDER PERSON

In the future the patients will still need specialists with expert knowledge, but thanks to the internet and tech era patient and specialist don't need to be in the same space at the same time. A connection of care means several experts can look at the case simultaneously. This would enable the early diagnosis of the issues by constantly being under the supervision of the specialists before the health becomes more critical

### **3 A FUTURE WHERE ELDERS ARE UNDER CARE BY ROBOTS**

As the people become more aged, it becomes more and more important to help enhance their experience of later years of life which may help the individual to live a healthy life with extended longevity. The robots are going to be playing a very important aspect regarding this in the future.

The biggest problem in old age is regarding the psychological aspects of living alone. The robots are going to be like the 'smart pets'. The people can talk to them and they will respond, and that's important. Obviously they won't replace a person, but can fulfill a similar role to that of a pet, but without the associated responsibilities.

Such robots can be programmed to carry out simple tasks. You can ask them to find things of your uses like the glasses, mobile phones, pen etc. This robot can move around the house, it can take a cup of coffee from one room into another, it can remind you to take your medication and bring it to you from another room. But they're also aware of how your health is keeping up, and will be ever ready to connect to the outside world to call for help in case of an emergency.

This is just the a simple glimpse of what the robots will be capable in the future – in the present these robots are way expensive and operation user interface is not that simple for the common . The most important barrier is the need of a hand that can carry out many tasks. A robot can be designed to accomplish a particular task but would be to complex to integrate other tasks also in the same hardware.

However, it is important to recognize that robots are not a replacement for the humans. They are simply the innovations done by the humans to make their life simpler. So it is quite clear to state that they constitute a small part of the solution but they are not the entire solution.



Figure 2: ROBOT PICKING UP PATIENT AFTER SURGERY

## 4 CONCLUSION

Digital revolution undoubtedly is going to modify the way we develop, practice, and deliver healthcare and medicine. This paradigm shift will directly influence the evolution of health-care systems. Technology gives us deep access regarding more precise and personalized medicine. However, with the increasing development in technologies, the most important concern is going to be keeping control on the price. Patients should be the main focus of the Healthcare System. Technologies that provides long term benefit with less money driven to the patient shall be accepted. Human relationship and empathy between the medical staff and patients should remain essential. The efficiency of the system should be an equilibrium between value-added medical service, global cost of the solution and maintaining the social bond.