Chapter 1

Cybernization of the Healthcare Organization of the Cyber World

ABSTRACT

The health information technology (HIT) era has rapidly changed how medical and healthcare sector communicate, diagnose, treat and cure patients. Advances such social media, instant messaging, and e-mails all created to make communication faster, easier and more convenient between families and friends and people across great distances. In our modern cyber world this is done by augmenting innate human knowledge handling capabilities with computer-based technology (CBT). This chapter provides a holistic perspective of technologization or cybernization of different organizational relationships. This chapter shows that ICT can be used to remove or destroy inner and external barriers between people, organizations and departments or functions. By failing to utilize HIT and a technologicalship philosophy, a healthcare organizations risk being isolated, while successful healthcare organizations move ahead toward the rest of the 21st century with its borderless or virtual reality.

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INTRODUCTION

The information technology era has rapidly changed how we deal with education, medical and healthcare issues as well as all human interaction in general. Advances such social media, instant messaging, and e-mails all created to make communication faster, easier and more convenient between families and friends and people-professionals across great distances. People are now more easily communicating face-to-face anytime they want from anyway here they are (Lin et al 2016). Even dating sites successfully match thousands of males and females each year as suppose, friends and/or lovers. Parents can more easily keep in touch with their children throughout the day and patients can also faster and easier keep in touch with their healthcare settings or physicians/nurses.

In our modern cyberworld, this is done by augmenting innate human knowledge handling capabilities with computer-based technology (CBT). Limiting ourselves to paper, pencil, typewriters, filing cabinets, manual archives, shelving systems, face-to-face meetings, stationary telephone conversation, fax machines, postal services, etc., is hardly a recipe for the twenty-first century.

We have to admit that technology has changed and is still changing our organizations, our way of thinking, our behaviour, attitudes, life style and type of relations. In short, the ICT, CBT and other nanotechnologies are the latest paradigm shift which has shafted the entire way of our minds and lives. Here are some examples:

- We search all kind of information online (e-information)
- We meet and chat with new people online (e-meeting/smart meetings)
- We buy, market and sell everything online
- (e-shop, eBay, e-marketing)
- We search and apply for conferences online, we even attend conferences online (e-conferences)
- We manage and govern our organization and even nations virtually (e-governorate)
- Some people find soul mates and dating online (e-marriage and e-dating)
- Some people are committing some crimes online such as money laundry, pornography, sexual abuse, terrorist activities, etc. (e-crimes)
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