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OPPORTUNITIES AND CHALLENGES OF INTERNET OF THINGS IN HEALTHCARE

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ABSTRACT

The use of Internet of Things (IoT) devices besides gaining popularity in our daily lives, are gaining speedy entry into the healthcare arena and are being appropriately termed as Internet of Healthcare Things IoHT). Most of these devices are wearable and allow continuous monitoring of physiological functions without manual intervention. Some of these are catalyzing remote healthcare, such as Telehealth and eHeath. However, their use in healthcare poses a special challenge due to accuracy and security requirements of the health information. The health data between the IoHT devices and remote sites is mostly transferred wirelessly and is apt to interception as these devices being tiny to small lack the necessary processing power for encryption. Despite this drawback, the future of IoHT devices appears bright due to advancements in nanotechnology and Arterial Intelligence being incorporated in them.

KEYWORDS: *eHealth, IoHT, IoMT, IoT, Telemedicine, Medical Sensors, Wearable Devices*