The rise of Internet of Things has many potential lifesaving applications within the healthcare industry to increase the value of the patients care. By collecting data from bedside devices, viewing patient information, and having the doctors' diagnosing in real-time, the entire system of patient care can be improved. Healthcare services based on Internet of Things have great potential in the medical field.

However, to take advantages of IoT, it is essential that medical enterprises and community should trust the IoT systems in terms of performance, security, privacy, reliability and return-on investment, which are open challenges of current IoT systems. In this paper, we discuss today´s issues, including benefits and difficulties, as well as approaches to circumvent the problems of employing and integrating Internet of Things devices in healthcare systems. Additionally, we will discuss several top level use case scenarios that can be used using Data Science and machine learning algorithms (document retrieval based on TF-IDF and kNN, recommender systems, deep learning) based on the Turi Graphlab Toolkit API.