

## **NR 541 Week 5 Discussion**

Select one of the following trends (or another trend of interest to you). Discuss your understanding of this trend in healthcare and its relevance for informatics nurse specialist practice. As an informatics nurse specialist leader, what recommendations do you have for managing these impacts?

Increased use of artificial intelligence-use this as example

Artificial intelligence (AI) is positioned to revolutionize the healthcare industry. AI is not just one technology, it is a collection of technologies that perform various functions depending on the task or problem being addressed (Robert, 2019). The premise behind AI is teaching computers to learn, reason, perceive, communicate, and make decisions as humans do. Healthcare is a very data-rich industry. The speed and efficiency in which AI can recognize patterns and mine data from millions of electronic health records can not be matched by humans.

Between electronic health records, wearable medical devices, and digitized diagnostics, it is estimated that the average person, in their lifetime, will leave a trail of more than 1 million gigabytes of health-related data (Sensmeier, 2017). AI can process, compile, and analyze this data far faster than any human ever could. Despite the ability to mimic human thought processes and learning, AI is not a means to replace humans.