Question1:

managed. There are also [federal guidelines and regulations](https://www.healthit.gov/topic/health-information-privacy-law-and-policy) regarding the use of patient data. The data harvested by healthcare organizations is no longer uniquely derived from HIT systems. [Wearable technologies](https://www.wareable.com/wearable-tech/ten-ted-talks-wearable-tech-connected-self-555) have emerged in the market. Mega companies like Apple or Samsung, have also teamed up with some telehealth platforms to connect doctors, institutions and insurance companies.

Evaluate the impact of data derived from wearable technology on healthcare technology.

Include the following aspects in the discussion:

* Select [Apple's Health Kit](https://www.zdnet.com/article/apple-health-and-apple-healthkit-what-you-need-to-know/) or another consumer platform of your choice.
* Discuss how the consumer wearable market is changing the healthcare delivery process.
* Summarize why cybersecurity continues to be a major obstacle to consumer wearable adoption specifically in HIT space.
* Discuss your personal perspective on how the lack of ethnic diversity in data collection impacts the future of healthcare research.

Question 2:

Each week, you will be asked to respond to the prompt or prompts in the discussion forum. Your initial post should be 75-150 words in length and is due on Sunday. By Tuesday, you should respond to two additional posts from your peers.

**Enterprise and Independent Data Mart Model**

The texts and lectures have explored data from several perspectives. It is time to take a deeper dive into the world of data. Catalyst provides several short articles for [5 Reasons Healthcare Data Is Unique and Difficult to Measure](https://www.healthcatalyst.com/insights/5-reasons-healthcare-data-is-difficult-to-measure). Each short article provides for a free downloadable pdf, be sure to do this as some concepts may require repeated review. Explore the first three "reasons" that healthcare data is unique. Now view the following article: [Healthcare Data Warehouse Models](https://www.healthcatalyst.com/insights/best-healthcare-data-warehouse-model). Multiple models are explained, and it is worth your time to explore them. For the purposes of this discussion, we will focus on [The Enterprise Data Model Approach](https://downloads.healthcatalyst.com/wp-content/uploads/2013/07/enterpruse-data-model-grphic.png) and the [Independent Data Mart Approach](https://youtu.be/68dHWXn_rn0). The Enterprise Model is called a top-down approach and the Independent Data Mart Model, a bottom-up approach. Feel free to explore the recommended approach late in the article.

Assess the advantages and disadvantages of the "top down" and "bottom-up" approaches of data collection.

Include the following aspects in the discussion:

* Summarize in your own words the basic tenets of each model (Enterprise and Independent Data Mart Model)
* Discuss the advantages and disadvantages of each approach
* Reflect on which model an organization you have worked for might have started with and why