**Unit 8**

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**Content**

* **Data Drivers and Organizational Alignment**

**Introduction**

The complexity of HIM technology requires a sound strategy throughout the implementation phase and well into the end-user experience. Continual and ongoing evaluation of the systems is very important to ensure compliance with regulations and appropriate use of EHR and other components. Health care managers must understand who their target audience is when developing a strategic plan related to HIM systems. They also need to have a strong understanding of the data that is collected through the systems and how that data impacts decision making. In this unit, you will have the opportunity to develop a strategic proposal analyzing the priorities of a typical health care organization. You will also be tasked with understanding how data drives decision-making processes and how health care organizations set strategic goals.

Through a review of the media and previous assignments, you will define the data drivers important for organizational improvement and decision making and how to communicate these in a compelling way.

You will identify the strategic goals of the organization and begin to draft an outline for key improvements, which align with these organizational goals.

Learning Activities

**[u08s1] Unit 8 Study 1**

**Studies**

**Readings**

Complete the following to prepare for the discussion in this unit and the Unit 9 assignment.

**Decision Making**

* + Kortteisto, T., Komulainen, J., Mäeklä, M., Kunnamo, I., & Kaila, M. (2012). [Clinical decision support must be useful, functional is not enough: A qualitative study of computer-based clinical decision support in primary care.](https://bmchealthservres.biomedcentral.com/articles/10.1186/1472-6963-12-349) *BMC Health Services Research*, *12*(349), 1–9.

**EHR Data Considerations**

* + Blumenthal, D., & Squires, D. (2015). [Giving patients control of their EHR data.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4265221/) *Journal of General Internal Medicine, 30*(Suppl. 1), 42–43.
  + Payne, T. H., Corley, S., Cullen, T. A., Gandhi, T. K., Harrington, L., Kuperman, G. J., . . . Zaroukian, M. H. (2015). [Report of the AMIA EHR-2020 Task Force on the status and future direction of EHRs.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5009932/) *Journal of the American Medical Informatics Association, 22*(5), 1102–1110. doi:10.1093/jamia/ocv066
  + Westra, B. L., Christie, B., Johnson, S. G., Pruinelli, L., LaFlamme, A., Park, J. I., . . . Speedie, S. (2016). [Expanding interprofessional EHR data in i2b2.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5001775/) *AMIA Joint Summits on Translational Science, 2016*, 260–268.

**Predictive Modeling**

* + Zhao, J., Henriksson, A., Asker, L., & Boström, H. (2015). [Predictive modeling of structured electronic health records for adverse drug event detection.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4660129/) *BMC Medical Informatics and Decision Making, 15*(Suppl. 4), S1–15.

**Learning Components**

This activity will help you achieve the following learning components:

* + Understand how to align data to goals.
  + Understand contemporary data analysis trends.
  + Understand data best practices.
* [Toggle Drawer](https://courserooma.capella.edu/webapps/blackboard/content/listContent.jsp?course_id=_122058_1&content_id=_6473295_1&mode=reset)

**[u08s2] Unit 8 Study 2**

**Assignment Preparation**

By the end of Unit 9, you will complete a Health Information Improvement Proposal which seeks to synthesize all the work you have completed in the course to create a coherent proposal for implementing improvements with regards to HIT and creating stakeholder buy-in.

Before you begin to create your proposal, you should consider preparing yourself by completing or thinking about the following.

**Step One – Understand Your Audience**

Complete the following:

* + Determine which key stakeholders and decision makers demonstrate the greatest influence on the organization.
    - Who are the key stakeholders and what are their priorities?
  + Identify each category of data required to drive decision making and improve organizational performance for implementation of an EHR or HIM system (for example, Patent satisfaction surveys).
  + Align EHR or HIM components with the organization's strategic goals.

**Step Two – Data Analysis Recommendations.**

* + Research methods for communicating data analysis recommendations to audiences that are not well-versed in data practices or terminology.
  + Determine the most relevant data best practices for the audience, organization, and EHR or HIM systems.
  + Research contemporary data analysis best practices and tools.
  + Remind yourself of Independence Medical Center's clinical goals, needs, and financial and technical readiness.

**Learning Components**

This activity will help you achieve the following learning components:

* + Prepare to complete the Health Information Improvement Proposal assignment.

[**[u08d1] Unit 8 Discussion 1**](https://courserooma.capella.edu/webapps/blackboard/content/launchLink.jsp?course_id=_122058_1&content_id=_6476280_1&mode=view)

**Aligning Data Drivers with Organizational Goals**

For this discussion, you will take on the role of an organizational leader. You will be in charge of ensuring secured funds for specific EHR or HIT system improvements for the next fiscal year. It has been suggested that the way to guarantee funding is to demonstrate the alignment between the data drivers underlying the desired improvements and the organization’s goals or mission. **350 words+**

As part of this discussion, research an organization (this could be a current or former place of practice or any organization that interests you and for which you can obtain the necessary information) and its possible or existing technology improvement plans as well as its goals or mission.

For your main post of the discussion, in your role as a leader championing specific needed improvements, please address the following:

* + Briefly describe one or more changes to an organization’s EHR or HIT systems.
  + Explain the data that illustrates that these changes are needed.
    - Explain how these changes will improve quality and patient outcomes.
  + Briefly describe the organization’s mission and one or more relevant goals.
  + Illustrate how the data drivers and improvements align with one or more organizational goals or its mission.

Support your post with at least one peer-reviewed source, using course readings or other scholarly literature. Include APA-formatted in-text citations and accompanying congruent APA-formatted references.

**~~Response Guidelines~~**

~~Respond to at least two of your peers. Take on the role of a member of the financing committee that approves spending for improvement projects.~~

~~Address the following in your response to your peers:~~

* + ~~Comment on the appeal of the changes within the context of how well the data drivers support the proposed changes.~~
  + ~~Comment on the strength of the alignment between your peers' data drivers and improvements to the organization’s mission and goals.~~
  + ~~Provide one suggestion for making your peers' proposed changes more appealing to a member of the financing committee.~~

**Learning Components**

This activity will help you achieve the following learning components:

* + Describe needed changes to an organization's health technology.
  + Identify data that illustrates the need for changes.
  + Identify organizational goals.
  + Identify the alignment between data drivers and organizational goals.
  + Explain how technology changes will improve quality and patient outcomes.
  + Apply current APA style guidelines.
  + Write clearly and accurately.