Database Exploration and Nursing Contributions (PSLO)

Student Name: Summer Beach

Instructions

Read the scenario below and complete all six (6) of the steps outlined below.

Scenario

You have a close friend Janet, age 70, who is experiencing chest pain and has a history of coronary artery disease. Their significant other has called 911 and is calling you before the ambulance arrives and asks you what hospital they should go to for the best care if they get to choose. (Note, in most instances, patients don't get to choose)

Fortunately, in your nursing informatics course you learned about the hospital compare website that illustrates hospital patient experience, quality, and outcomes.

You complete the following steps to come to the decision about which hospital you will have the ambulance take Janet to.

Process Steps

Step 1

Go to the comparison tool on Medicare.gov website's: Find & compare nursing homes, hospitals & other providers near you.

Step 2

Pick 3 hospitals near you. (Click on hospitals and enter in the zip code you wish to investigate.)

List the list the three hospitals you selected in the table in Step 3 below along with the zip code utilized to find the hospital. Note: You may need to redo the search if there are gaps in the data you need to explore.

Step 3

Using this website, click the compare box to compare your selected hospitals and find the following information for each hospital and list the findings in the table below.

Criteria	National rating/average if listed	Enter Hospital 1 name: Legacy Meridian Park Medical Center and zip code: 97062 (97223 is the zip code I searched)	Enter Hospital 2 name: Providence St. Vincent Medical Center and zip code: 97225	Enter Hospital 3 name: OHSU Hospital and zip code: 97239
Overall star rating		5	5	4
Patient survey rating		4	4	4

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Patient survey rating -Patients who reported that their doctors "always" communicated well.	80%	81%	82%	78%
Patient survey rating - Patients who reported that their nurses "always" communicated well.	79%	80%	85%	80%
Patient survey rating - Patients who "strongly agree" that they understood their care when they left the hospital.	51%	51%	54%	57%
Patient survey rating - Patients who reported YES that they were given information about what to do during their recovery at home.	86%	87%	88%	88%
Timely and effective care: Percentage of outpatients with chest pain or possible heart attack who got drugs to break up	53%	Not available	Not available	Not available

Criteria	National rating/average if listed	Enter Hospital 1 name: Legacy Meridian Park Medical Center and zip code: 97062 (97223 is the zip code I searched)	Enter Hospital 2 name: Providence St. Vincent Medical Center and zip code: 97225	Enter Hospital 3 name: OHSU Hospital and zip code: 97239
blood clots within 30 mn of arrival				
Complications & death: Serious complications	1.00	0.86	1.00	0.82
Complications & death: Death rate for heart attack patients	12.4%	11.8%	10.7%	12.8%
Complications & death: Death rate for CABG surgery	2.9%	Not available	2.8%	2.9%
Unplanned hospital visit: rate of readmission for heart attack patients	15%	14.7%	14.1%	13.9%
Unplanned hospital visit: rate of readmission for CABG surgery patients	11.9%	Not available	11.2%	11%
Payment and value of care: payment for heart attack patients	$26,800	$25,122	$24,699	$26,610

Step 4

It is time to choose the hospital.

1. What hospital will you recommend for Janet?

   I would recommend Providence St. Vincent Medical Center.

2. Why did you choose this hospital and what specific metrics influenced your decision?

I chose this hospital because Providence seemed to have the best overall statistics and outcomes. The specific metrics that influenced my decision were 85% of patients reported their nurses always communicated well, they have the lowest death rate for heart attack patients, the death rate for CABG surgery patients is lower than the national average, the readmission rates for heart attack patients is almost 1% lower than the national average as well as being lower than Meridian Park, they also have the lowest cost for heart attack patients. The patient is older and most likely on a fixed income so the cost being lower may be important.

Step 5

Address each prompt on **Data Transparency** below in two to four (2-4) sentences.

Prompt	Response
What is the value of the transparency of the hospital compare data (consider for hospitals that are scoring well and those that are not)?	The value of transparency of the hospital compare data is that you, as the consumer, can make a more informed decision about care. Janet has a history of coronary artery disease and may possibly having a heart attack, so it is helpful to know how well a particular hospital deals with cardiac issues. If a hospital has a poor track record with readmissions, mortality, or poor surgery outcomes then that may not be the best option to go to for care. At the same time, it would be reassuring to know that the hospital one is receiving care from has good outcomes and doctors and nurses who communicate well.
What financial implications (reimbursement and patient selection) result from the Hospital Compare data displayed?	The financial implications that result from the data would possibly be important to someone in Janet's position. She is 70 and possibly on a fixed income as well as most likely on Medicare. It would be important for her to consider what a particular hospital payment amount is and balance that with care level. I don't think it should be the top priority, but it definitely should be a consideration for someone when considering a hospital for care.

Step 6

Consider the type of care you would expect Janet to receive at a quality healthcare facility. Explain three (3) ways that technology, information, and communication systems can be implemented to provide Janet, a client with a history of coronary artery disease, with safe, efficient, and optimal nursing care. Support your ideas with sources from CSP library (i.e. peer reviewed articles) using proper APA-style citations and references.

1. One way that Janet could be provided with safe, efficient, and optimal nursing care is through the use of Electronic Health Records (EHR). EHRs allow for all of Janet's previous healthcare and background

information to be shared with her new nurses and doctors. This can allow for continuity of care and for safety with things like allergies and medicines that she is taking. The use of EHRs has been shown to improve patient outcomes, make care safer for patients, and to reduce cost of care (Upadhyay & Hu, 2022). The use of EHRs can also help doctors to understand what care or procedures Janet has already undergone so that they can make a quicker assessment of what care might be warranted in this trip. The use of EHRs will allow for multiple departments to communicate with one another in coming up with a plan of care for Janet (Upadhyay & Hu, 2022). The nurses and doctors are able to notate the record as care is occurring or new symptoms appear, and this allows for care decisions to be made right then.

2. Another way that Janet could be provided with safe, efficient, and optimal nursing care is through the use of EKG/ECG monitoring. Since Janet has coronary artery disease and is now experiencing chest pain, it would be necessary to monitor her heart activity to see what is going on with her. This allows for clinicians to differentiate between life-threatening and non-life-threatening conditions (Zegre-Hemsey et al., 2017). Janet's doctors would be able to use this technology to determine her course of treatment in a quick manner and in real time (Zegre-Hemsey et al., 2017). By using ECG monitoring, they could determine whether she was experiencing myocardial ischemia, any type of arrhythmia, or a possible ST-elevation that may require rapid intervention. The quicker that ECG monitoring is implemented the higher likelihood of a good outcome for Janet is to be expected (Heger et al., 2021). Once monitoring is implemented, any type of result or information can then be shared with multiple departments so that they can collaboratively work on her care to ensure the best treatment and therefore the best outcome for her.

3. One other way that Janet could be provided with safe, efficient, and optimal nursing care is in utilizing the SBAR in transitions of care from the ambulance team to the ED team and then to the next department she receives care from. Using a clear and concise SBAR can help to facilitate efficient, concise, and accurate information about Janet's situation. Using the SBAR can allow for information to be passed between healthcare professionals in a predictable flow that creates an organization in the patient's care (Achrekar et al., 2016). When there is a breakdown in communication in healthcare situations it can lead to adverse events. Effective communication is key in preventing this and leading to safe care of patients (Shahid & Thomas, 2018). When a structured, consistent, and reproducible form of the SBAR is used it has proven to lead to improved patient outcomes and in patient satisfaction (Shahid & Thomas, 2018). In Janet's case this could be helpful as she is most likely going to experience multiple transitions in her care from her arrival at the hospital. Proper utilization of the SBAR can keep all of her medical teams on the same page and in the same mental space when it comes to her diagnosis and treatment, leading to continuity in her care and better outcomes for her.

References:

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