CapstoneProject Milestone 1:

Practice Issue and EvidenceSummaryWorksheets

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**Directions**

1. Refer to the guidelines for specific details on how to complete this assignment.
2. Type your answers directly into the worksheets below.
3. Submit to the Dropbox by the end of Week 3, Sunday at 11:59 p.m. MT.
4. Post questions about this assignment to the Q & A Forum. You may also email questions to the instructor for a private response.

**Practice Issue Worksheet**

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| **List the topic and include the citation for the systematic review you have selected:**Preventingcentral venous catheter-related infectionsLai, N. M., Lai, N. A., O’Riordan, E., Chaiyakunapruk, N., Taylor, J.E., &Tan, K. (2016). Skin antisepsis for reducing central venous catheter-related infections. *Cochrane Database of Systematic Reviews,* (7), CD010140. doi:10.1002/14651858.CD010140.pub2.Chamberlain Library Permalink: <http://onlinelibrary.wiley.com.proxy.chamberlain.edu:8080/doi/10.1002/14651858.CD010140.pub2/full> |
| **What is the practice issue you have identified related to the topic you have chosen?**Staff education/quality improvement programs |
| **Define the scope of the practice issue:**In preventing catheter-related infection, education and training of healthcare providers is an essential practice especially during insertion and maintenance of the CVCs. This practice does not only ensure the patients’ safety but also reduces healthcare costs for the patients. Operators are basically required to be well equipped with skills out of their work experience and training sessions because the rate of risk of infectious complications dependson an operator’s skills.  |
| **What is the practice area?**Education |
| **How was the practice issue identified?** (check all that apply)The practice issue was identified by determining the;* Safety/risk management concerns
* Unsatisfactory patient outcomes

Significant financial concerns |  |
| **Describe the rationale for your checked selections:**Quality improvement programs address safety/risk management concerns, patient outcomes and essential financial concerns. Unskilled operators increase risks of infectious complications to patients who tend to be dissatisfied with the outcome of the medical procedure. If the preventive process is not also cost-effective to the patient then it is not such essential basing on the financial concerns of specific individuals.  |
| **What evidence must be gathered?** (check all that apply)The evidence that must be gathered should be from; |
| * Expert Opinion
* Patient Preferences
 | * Clinical Expertise
* Financial Analysis
 |
| **Describe the rationale for your checked selections:** Opinions from an expert in the same field could help address the problem because he/she has clinical expertise in handling such medical issues. Patients’ preference should be highly recognized and considered important because it is a determinant of the patient outcome after any procedure of preventing catheter-related infectious complications. Financial analysis is also an important aspect because patients should be involved in practices that are cost-effective after accessing necessary information about financial requirements.  |

**Evidence Summary Worksheet**

**Directions**: Please type your answers directly into the worksheet.

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| **Describe the practice problem in your own words with reference to the identified population, setting and magnitude of the problem in measurable terms:**Quality improvement programs or in other words, staff education to nursing professionals is an aspect that has a lot of weight. This is a problem to a number of healthcare facilities which not only have partially skilled personnel but also an insufficient number of operators. Patients are normally at a greater risk whenever there are less nurses attending to them. The doubling of patient-to-nurse ratio endangers patients because there will not be full nursing attention to each particular patient in a populated environment. Reduction of trained nurses in a setting where there are more patients is a contribution to the alteration of the catheter-related infection just because there is inadequate catheter care. Therefore, there must be enough of trained nurses to meet the patient care needs in the organization.  |
| **Type the complete APA reference for the systematic review article you chose from the list provided;It must be relevant to the practice issue you described above.**In Bennett, J. E., In Dolin, R., & In Blaser, M. J. (2015). *Mandell, Douglas, and Bennett's principles and practice of infectious diseases*. Philadelphia, PA: Elsevier/Saunders. |
| **Identify the objectives of the article.**The objectives of the article include;* Ensuring people have clinical and scientific knowledge
* Helping people to identify and respond to any given infectious disease with the most effective treatment procedures
* Giving the most comprehensive guide in diagnosis and treatment of infectious diseases

**Provide a statement of the questions being addressed in the work and how they relateto your practice issue:**The author addresses questions about pathology, immunology, and epidemiology giving a more in-depth explanation of each. The question about dealing with infectious agents of a disease is also tackled in satisfying manner. The areas addressed in response to the questions are important in the staff education because specialists who deal with prevention of catheter-related infections need to be skilled in the above stated fields to handle patients.  |
| **Summarize (in your own words) the interventions the author(s) suggest to improve patient outcomes.**Patient outcomes greatly depend on the knowledge perceived by various specialists in any given medical field. Therefore, to improve patient outcome according to the author’s suggestions requires that nursing team must be well knowledgeable about the current and other new emerging infectious diseases. **Summarize the main findings by the authors of your systematic review including the strength of evidence for each main outcome. Consider the relevance to your project proposal for the Milestone 2 project paper.**The author works with an intention to equip healthcare providers with basic knowledge and other technical skills in handling patients especially in specialized cases of malaria, anthrax and burns. It is exceptionally a highly relevant article to my project proposal because it gives clear information in respective fields under all revised chapters.  |
| **Outline evidence-based solutions that you will consider for your project.**Some of the evidence-based solutions I will consider for my project include the viral therapeutic human immunodeficiency, bacterial drug resistance and the most recently emerged epidemics to do with viruses. **Discuss any limitations to the studies performed that you believe impacts your ability to utilize the research in your project.**The limitations that are noteworthy in the article are one;all investigations are only based on bacterial pathogens. There is no incorporation of fungal, viral and parasitic organisms in as much as the discussion about the point in preference was well done.More devotion is entitled on investigations in distinguishing pathovars from nonpathovars, something that does not really add up when it comes to catheter-related infectious complications.The article cannot also be downloaded into simpler portable formats hence making access of information very limited.  |