Clinical Data Management and Evaluation  
**NURS: 5010**

Clinical data management is essential for evaluating Evidence Based Practice/ Performance Improvement projects. A high caliber data management plan will provide key stakeholders with the information necessary to make decisions. Components of high caliber data management plan include identified processes and outcomes linked to variables and data sources; adequate statistical power; data cleaning and manipulation techniques; statistical methods; and a meaningful presentation of variables that addresses the concerns and questions of key stakeholders. This course will provide students with the knowledge and skills necessary to develop and execute the data management plan for the final project.

**COURSE OBJECTIVES**

Through discussion and completion of assigned activities, the student will be able to:

1. For a given problem, define key variables and linkages between goals, objectives and outcome measures including access, cost, quality, and safety and their influence on health care. (DNP II.2.d., DNP III.3)

2. Analyze the critical elements necessary to effectively select, use and evaluate health care and administrative information. (DNP III.5, DNP IV.2)

3. Appropriately define, collect, enter, and transform accurate data. (DNP III.5)

4. Demonstrate data management skills including definition of key variables, collecting key data, enter data into appropriate software and execute an evaluation plan. (DNP IV.3)

5. Interpret data for practice, clinical, administrative and population processes and outcomes emphasizing the role of data variability. (DNP III.5)

6. Evaluate the impact of a project based on the analysis and decision-makers. (DNP I.3)

7. Evaluate ethical and legal issues within healthcare systems relating to the use of information, information technology and communication networks. (DNP IV.4)

For more information:
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