NR 542 Week 7 Discussion: Decision Probabilities

As you analyze your data, the use of decision trees, predictive and prescriptive analytics can be helpful to consider. In addition, you will also be applying evidence based practice findings and benchmarking as part of your analysis.

Share how you will use the tools in your current project and the potential opportunities for further application as you analyze the data in more depth.

Hello class,

When creating this database, I analyzed the data using prescriptive analytics to determine what should be done and what was the benefit. My database project identified problem was ensuring appropriate level of care for general inpatient (GIP) care at a hospice organization. I had determined that this data should be collected to identify GIP level of care that exceeds the average five-day length of stay and the benefit would be to ensure compliance and reduce the risk of paying back monies in the event of an audit. The predictive analytics identified that this collection of data should be compiled daily and be put into report form for weekly review. Determining what information should be included in the database utilized a decision tree format finding the most pertinent and relevant information would be the patient, the unit, acute symptoms and healthcare providers, including the unit manager and physician. Evidence based practice has identified that tracking levels of care benefits the patient by ensuring appropriate care delivery. Having the use of EPIC at the organization also resulted in a benchmarking process comparing current reports and databases, but the EPIC program did not provide for a database that would pull together level of care and, most importantly, number of days at GIP level of care. The potential opportunity for further application is tremendous and could lead to a variety of other databases to monitor routine level of care and crisis care in order to ensure compliance, appropriate billing and correct level of care delivery for the patient. It has been a journey these past seven weeks but pulling it all together has provided clarity into the creation of databases.

Kindly,

Sunshine

Class, how easy is it to make decisions in your work environment? How might that impact implementing the concept of outcome probabilities in your work setting?

Hello Dr. Arcaro and class,

The ease of making decisions in my present work environment depends entirely on the extent of the change. Interdepartmental changes are much easier to determine and implement, as it is a small department and carries some autonomy pertaining to the departments work and productivity. Widespread change that impacts the organization and other departments are required to go through an approval process that includes any committee with a vested interest and possibly project management oversight. Change is often challenging and requires constant attention in order to be successfully implemented. Resistance in natural and should be