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Urban teaching hospital patients' outcomes: A comparative study

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Patients with type-2 diabetes reportedly have different outcomes on discharge, according to hospital characteristics. In the present study, we evaluated the differences in the outcomes of diabetic patients admitted to a Minority Large Urban Teaching (MLUT) Hospital in 2012. Sample of 2,311 subjects diagnosed of type-2 diabetes (2,185) with comorbidities of myocardial infarction (77) and diabetic myocardial infarction (49) were extracted from the emergency room dataset of a Minority Large Urban Teaching, private and non-profit Hospital using the International Classification Data, ICD 9 codes 25000. The result of the study showed that more females (15%) were admitted than their male counterparts with 42.2% males and 57.8% females, 2.2% white and 97.8% black. For age distribution, the MLUT Hospital had more age groups (40-59 years) and (60-79 years) admitted than those with age less than 40 years and 80 years or older group. A significant difference (~32%) of patients admitted with income ($1.00-$38,999.00) and ($39,000.00-47,999.00$) was observed while patients with income ($48,000.00-$62,000.00) range were admitted more (~49%) in the MLUT than any other age group. For the outcomes, patient mortality rate was significant when compared to those that did not die in the hospital. However, a difference (~5%) was noted for hospital stay of 3 days when compared to other hospital stay categories. A significance difference (36.9%) was noted for patients with hospital charges of less than $20,000.00 and $80,000.00 or more. The overall outcomes showed that the mortality rates for patients who died in the hospital were not significant and most patients stayed more than 3 days on admission. However, majority of the patients were either charged less or more. This study is to be replicated with a higher level of analytics to ascertain the impact of the variables on the outcomes for a more validated result.

Biography

Priscilla O Okunji is an Assistant Professor at Division of Nursing, Howard University, USA. She has obtained her Baccalaureate and Master's degree in Nursing and Informatics respectively from University of Maryland. In addition, she has earned her Health Sciences Doctoral degree with concentration in International Health Educator/Researcher. She has been board certified in ANCC Medical Surgical Nursing since 2010. She is a recipient of several awards and often been invited to deliver podium presentation at both national and international conferences. She has published in peer reviewed journals and she is also a Principal Investigator of intramural grants/projects.

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