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Simulation as an Educational Strategy to Increase Medication Error Identification in Licensed Practical Nurses

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To introduce simulated instruction to licensed practical nurses with less than five years experience, to validate and enhance accuracy in medication error identification and error reporting. A pre and post project design was used. A pre-test to evaluate baseline knowledge regarding medication administration and common errors was given to ten participants prior to a one hour long instructional simulation activity. Following the activity an identical posttest was given to assess changes in competency. A paired-samples t-test was conducted to compare both pre and post test scores. The analysis revealed a mean pre-test score of 84 with a standard deviation of 4.69 ($SD = 4.69$) and a mean post-test score of 92.4 with a standard deviation of 2.67. The results suggest that medication error identification accuracy increases when individuals participate in a one-hour simulation instruction experience.

Biography

Dr. Deryus J. Tillman DNP RN received his undergraduate degree from Georgia Southern University in Georgia. He completed his Master's training at Jacksonville University in Jacksonville, Florida and his doctorate at South University in Savannah, Georgia. Dr. Tillman has over eight years of critical care experience. Dr. Tillman has over five years experience teaching at both the undergraduate and graduate levels. He is active in a variety of civic and professional organizations including Kappa Alpha Psi Fraternity Inc., Phi Sigma Pi National Honor Fraternity, American Nurses Association, Black Nurses Rock Inc., and Sigma Theta Tau International Honors Society of Nursing.

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