

## Evaluation of Competency Enhancement and Examination (CEE) as Predictor to Pharmacy Licensure

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### Abstract

The analysis of the Comprehensive Examination for Education (CEE) scores aimed to assess the efficacy of the CEE as a predictor of success in licensing examinations. This assessment involved gathering data through a detailed survey form completed by 115 program graduates who had successfully passed the Pharmacist Licensure Examination in November 2022. The analysis revealed a notable relationship between the outcomes of the competency assessment and the licensure exam, further noting that this association remained consistent regardless of the candidates' gender or GPA. Moreover, a notable aspect of the research was the discovery of interesting disparities when comparing the results of CEE 1 with CEE 3 and 4, suggesting a gradual improvement in competency levels throughout the evaluations. The application of logistic regression analysis confirmed a significant connection between the licensing exam results and the CEE scores. However, it was also recognized that while the CEE scores played a role in predicting the performance in board exams, they were not the sole determinants, underscoring the presence of other influential factors affecting the exam outcomes. This acknowledgment pointed to the limitations of relying solely on CEE scores to explain the final performance in the licensure exams. In summary, the study highlighted the critical role of the CEE as a reliable predictive tool for success in licensing exams, emphasizing the observed pattern of competency enhancement over time with the CEE scores making a substantial contribution to forecast performance on the licensure exam. Nevertheless, the research emphasized the importance of considering various additional factors beyond the CEE scores when analyzing the complex nature of board exam outcomes. This comprehensive approach acknowledged the multifaceted interplay of factors influencing the ultimate success in licensure examinations, thereby enriching the understanding of the predictive capabilities of the CEE in the context of future professional assessments.

*Keywords: Comprehensive Examination for Education (CEE), licensure examination, grade point average (GPA), pharmacy, education*