

Historically Black Colleges Universities Nursing Program Course Sequence and its Impact on NCLEX Pass Rate.

Emelia Asamoah, Ph.D., MSN, RN

Morgan State University
School of Community Health & Policy
Nursing Department

INTRODUCTION

Estimated global nursing workforce in 2019-20 was 27.9 million (Buchan, Catton, & Shaffer, 2022).

Covid-19 effect has increased the demand of nurses & exacerbate nurse shortages (Buchan et al.,2022).

Estimated global shortage prior to pandemic was 5.9 million (Buchan et al.,2022).

Statement of Problem

- Minority nursing students face barriers to success, Lack of financial support, Inadequate emotional & moral support,
- Insufficient academic advising,
- Program mentoring &
- Technical support (Collette et al., 2012).

Purpose/Significance of Study

The goal is to examine the association of overall state rank of the programs offering nursing courses during junior year & before junior/ during junior year and NCLEX-RN pass rate.

Significance of the Study

Improving NCLEX-RN pass rates,
Increase retention rate,
Increase Black & minority BSN graduates at HBCUs.

METHODS

A correlation research design was used to investigate the relationships between nursing programs that offer (Fundamentals, Health Assessment, Pharmacology & Pathophysiology) during junior year and those offering before/ during junior year and the NCLEX-RN pass rate?

Data Collection

- The researcher reviewed 45 listed HBCU Nursing Programs (RegisteredNursing, 2023),
- 20 nursing program curricula designed at a baccalaureate level selected,
- Excluded RN-BSN and associate degree programs.
- The 20 selected nursing programs' sequence of pathophysiology, pharmacology, fundamental, and health assessments course were reviewed,
- Three-year average NCLEX-RN pass rate of 20 nursing programs (RN Careers, 2022) and state ranking of the program were measured.

Data Analysis

Spearman's correlation coefficient was used to measure the strength and direction of the association between NCLEX-RN pass rate and overall state ranking of the program.



FINDINGS

- Spearman's correlation coefficient was used to measure the association between NCLEX pass rate and state ranking of the programs. The results indicated strong negative association between the nursing schools offering courses during junior and those offering courses before and during junior year with a ($\rho = -0.97467$, $\rho = -0.96295$) and (p-value of 8.29763 and 2.01262) respectively.

CONCLUSION

Regardless of the sequence of courses in the curricula, students must be able to study and master nursing concepts to pass NCLEX RN Exam. Academic and socioeconomic support can reduce the burdens and challenges students faces during matriculation in the nursing program.

RECOMMENDATIONS

The Nursing Programs curricula can be adjusted to reflect the student population admitted into HBCUs. The students that are introduced to the nursing program courses before junior year may have a better understanding of nursing concepts but did not reflect in the overall performance of the program outcome and NCLEX Pass Rate.

To continue to increase the diverse population in healthcare, nursing program curricular must represent the population served.

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