

Makynzie Ashbaugh

Mentors: Jingyang Hecht, Katie Ronald

Title: *Analysis of Pharmacist Patient Care Process Scores of Didactic Elective Courses and Their Impact on Pharmacy Student's Success on Advanced Pharmacy Practice Experiences*

## Abstract

### **Introduction**

The purpose of this study is to assess how the number of patient-centered care elective course hours students take at the SIUe School of Pharmacy has an impact on their success on APPEs in their fourth professional year. This study focuses on the preceptors' evaluations of students following completion of the four core rotations: hospital, community, internal medicine and ambulatory care.

### **Methods**

The Pharmacist Patient Care Process (PPCP) Assessment was applied to each elective course giving them a potential score anywhere from zero to 15, with 15 having more in-class applications correlating with patient-centered care. This assessment was developed by Katie Ronald, Pharm.D., BCPS at the SIUe School of Pharmacy in order to assess each elective independently of others. In addition to this, each student from the above mentioned classes was assigned a collective PPCP score based on the electives they had taken. Each student was assessed for success on APPE's through two CAPE domains: problem solving and patient-centered care, for which they could receive a score of one (basic), two (intermediate) or three (advanced). This data was retrieved retrospectively, and statistical analysis was run utilizing mixed analysis ordered logistic regression.

### **Results & Discussion**

Two hundred and nineteen students from the SIUe School of Pharmacy classes of 2016, 2017 and 2018 were included. When assessing the problem solving and patient-centered CAPE domains, students with median or greater PPCP scores proved to have a 75% and 86% higher chance at obtaining an advanced score over intermediate and basic scores, respectively.

### **Conclusion**

Ultimately, based on the results of this study, fourth year pharmacy students at the SIUe School of Pharmacy who were above median PPCP scorers showed a statistically significant increase in CAPE domain scores and success on their APPE rotations.