

# Pharmacy Student Summer Research Fellowship Proposal for 2022

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## **FACULTY INFORMATION:**

**NAME:** Brett Bailey, Pharm.D.

Layton Kelley, Pharm.D.

**DEPARTMENT:**  Pharmacy Practice  
 Pharmaceutical Sciences

**LOCATION:** UAMS Outpatient Pharmacy

## **PROJECT INFORMATION:**

**TITLE:** Impact of Meds-to-Beds Services on Medication-Related Patient Experience Survey Questions

**LOCATION OF THE PROJECT:** UAMS Outpatient Pharmacy

## **BRIEF DESCRIPTION OF THE PROJECT:**

In April of 2020, the UAMS Outpatient Pharmacy started a Meds to Beds program where they deliver medications to the patient's bedside and provide counseling on medications prior to discharge. The intent of the program was to streamline workflows and improve overall patient experience while being discharged from the hospital, especially in the tight staffing that has become the norm during the COVID-19 pandemic.

Patient experience is measured in the health system through various methods including patient satisfaction surveys. UAMS utilizes NRC Health to conduct patient satisfaction surveys on specific pieces of the hospital visit, including medication-related experiences. We hypothesize that implementation of Meds-to-Beds services had a positive effect on the responses to these specific questions.

There are two main objectives for this project:

### **Describe the workflow and management of the Meds-to-Beds Program at UAMS**

The student will work with Layton Kelley's Meds-to-Beds team in the Outpatient Pharmacy and participate in the medication dispense process as part of the experience. They will develop a description of the workflow, benefits and challenges, and patient impact of the program.

### **Compare the patient experience survey responses of individuals who enrolled in and declined Meds-to-Beds Services**

The student will prepare an IRB proposal, collect data, analyze, and prepare a manuscript on the effect of Meds-to-Beds Services on specific medication-related survey questions by comparing the responses of patients who enrolled and declined services.

## **STUDENT'S RESPONSIBILITIES-DUTIES IN THE PROPOSED PROJECT**

Practice Component:

- Training in UAMS Outpatient Pharmacy Meds to Beds Program
- Working alongside pharmacists & technicians in Meds to Beds Program to dispense medications to discharging patients

- Participate in topic discussions relevant to Meds to Beds / Pharmacy Management

Research Component:

- Complete human subjects research certifications as required by UAMS IRB
- Conduct a literature review of meds-to-beds outcomes studies
- Develop and submit IRB proposal and data collection specification
- Assist in data analysis and reporting
- Write a manuscript summarizing findings and either submit for publication or poster

**ESTIMATED TIME FOR PROJECT COMPLETION:** \_\_\_10\_\_\_ weeks

**DOES THE WORK INVOLVE ANIMAL RESEARCH?**  YES

NO

**ORAL/POSTER PRESENTATION OPPORTUNITY:**

The student will be expected to submit an abstract for poster presentation at minimum at a local (UAMS), state (APA), or national meeting (NCPA/ASHP). The student will be given the opportunity to submit a manuscript of the research findings to a relevant journal.

**MANUSCRIPT SUBMISSION:**

Hospital Pharmacy

American Journal of Health-System Pharmacy