The purpose of this project was to identify how the Jefferson College carrying out the medication use process. Project HOME is a non-profit organization in Philadelphia that provides housing, employment opportunities, medical care, and education for chronically homeless individuals with serious mental health conditions.

One nurse oversees the medication use process at three of Project HOME’s residences; however, non-clinical staff are responsible for carrying out the medication use process.

The purpose of this project was to identify how the Jefferson College of Pharmacy’s APhA-ASP chapter could assist Project HOME with their medication-related needs and improve the medication use process.

Methods

**Needs Assessment Findings:**

- Standardized approach to reviewing medical records and medication regimens
- Collaboration with healthcare team (including providers and community pharmacies)
- Streamlined contact with providers to assist with obtaining medication refills
- Education to Project HOME staff on improving the medication use process, including updating the medical record
- Education and counseling to residents on appropriate chronic conditions and medication use including:
  - Medication administration technique
  - Implementation of adherence strategies

**Methods (continued)**

![Image of Project HOME logo]

**Pharmacy Student Intervention:**

- Pharmacy students created a tool to use at Project HOME when reviewing medical records and performing medication therapy reviews (MTRs)
- Pharmacy students performed MTRs to identify drug therapy problems (DTPs) using the tool and created recommendations for resolution and prevention of DTPs at long-term co-ed residence
- Completed tool was placed into patients’ medical records
- Pharmacy students visited two additional short-term residences to perform MTRs and identify DTPs using the tool
- Completed tool was placed into patients’ medical records
- Returned to long-term co-ed residence to follow up on proposed recommendations for resolution of DTPs

**Results**

- 3 locations of the Project HOME organization:
  - Long-term co-ed housing
  - Short-term male residence
  - Short-term female residence
- 5 third-year pharmacy students visited each home for 3.5 hours to perform MTRs
- In total, 69 patient medical records were reviewed and as a result 470 DTPs were identified
  - On average, 7 DTPs per patient were identified

![Figure 3: Types of Identified Drug Therapy Problems (DTPs)](https://example.com/figure3)

**Figure 3: Types of Identified Drug Therapy Problems (DTPs)**

- No Known Indication
- Wrong Drug
- Dose Too High
- Nonadherence
- Needs Additional Drug Therapy
- Administration

**Conclusions**

The involvement of pharmacy students can help to identify, resolve, and prevent DTPs for the underserved population at Project HOME, where access to care may be limited. Additional interventions to ensure that identified DTPs are resolved are still needed. Expanding communication of medication review findings to healthcare providers outside of Project HOME would help to guarantee more streamlined care for each of the patients.

**Disclosures**

Each of the three authors report no vested interests in or affiliation with an organization whose philosophy could potentially bias our presentation, have a specific commercial service or interest in the therapeutic areas, drugs and/or devices under discussion, or a corporate organization offering financial support or grant monies for this continuing education program.