

## Partners

**Project HOME** is a non-profit organization in Philadelphia that provides housing, employment opportunities, medical care, and education to those who are homeless or at risk of becoming homeless, including those with a history of serious mental health or substance misuse disorders.

**Jefferson College of Pharmacy** students are dedicated to transforming the health and well-being of the community. By engaging in innovative opportunities, students are well-positioned to deliver patient-centered care.

**APhA-ASP** serves as the collective voice of student pharmacists to provide opportunities for professional growth, to improve patient care, and to envision and advance the future of pharmacy.

## Partnership Development

### Timeline of Partnership Development:

<b>Early Oct 2016</b>	Project HOME contacts JCP pharmacy faculty seeking pharmacy help with medications
<b>Mid Oct 2016</b>	JCP pharmacy faculty sends the request to APhA-ASP's patient care coordinators to determine feasibility
<b>Late Oct 2016</b>	APhA-ASP and Project HOME discuss setting, patient population, and potential role of pharmacy (via electronic communication)
<b>Early Nov 2016</b>	Dates for initial visit determined
<b>Mid Nov 2016</b>	On-site needs assessment and orientation to Project HOME residence
<b>Early Dec 2016</b>	Development of intervention
<b>Early Dec 2016</b>	On-site visit with completion of medication reviews



## Needs Assessment

### Current Medication Use Process:

- One nurse oversees the medication use process at 3 Project HOME residencies
- At each site, non-clinical Project HOME staff store residents' medications in a medication room
- A medical record exists for all residents that includes a face sheet (listing demographics, medical conditions, and medication regimen), medication administration record, and miscellaneous notes (e.g. blood glucose values)
- Residents visit the medication room to receive their daily medications from the staff
- Staff documents administration of medication in the resident's medical record

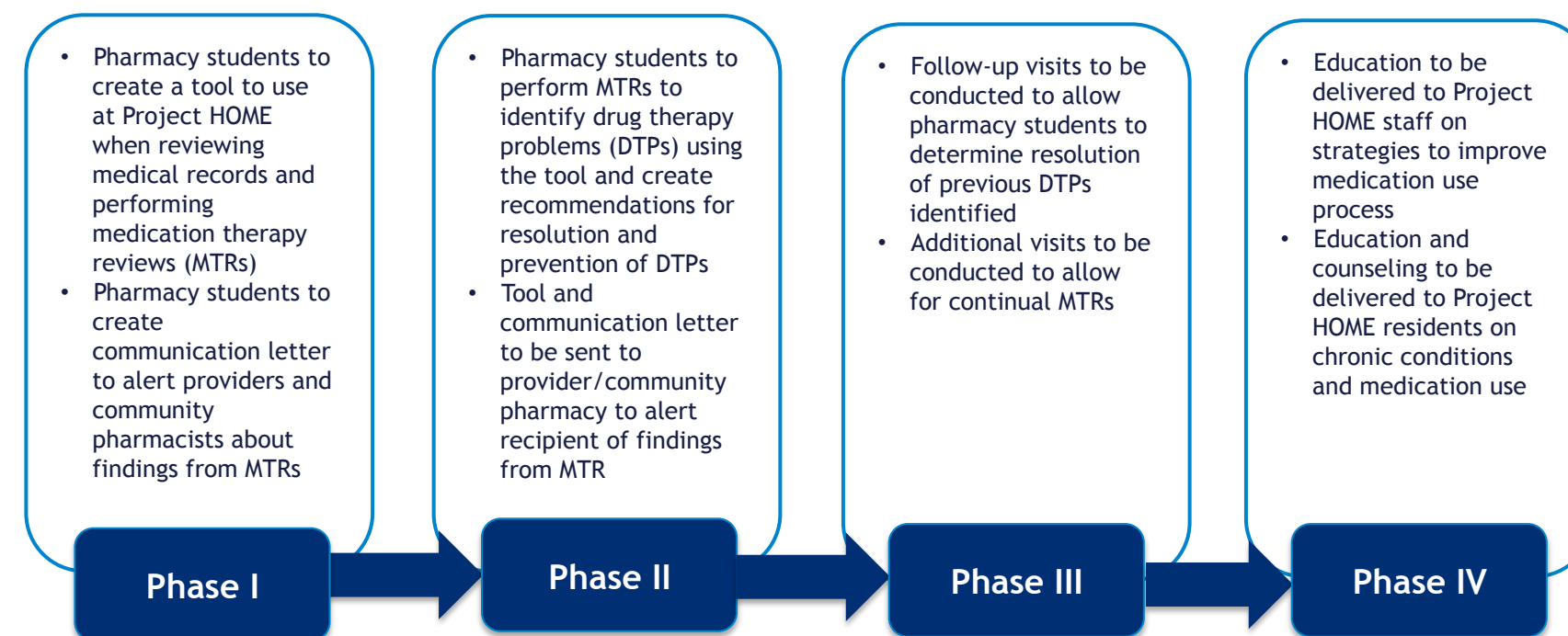
## Needs Assessment (Continued)

### Identified Needs to Improve Medication Use Process:

- Standardized approach to reviewing medical records and medication regimens
- More collaboration with healthcare team (including providers and community pharmacies)
- More 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
- Expansion of above services to additional Project HOME sites

## Proposed Intervention

### Stepwise Approach to Intervention Proposed:



**MTR Tool:** allows for easy communication of identified DTPs associated with residents' medication regimen, patient-specific recommendations, and evidence-based rationales

**Provider and Pharmacist Communication Letter:** allows for collaboration with medical providers and community pharmacists by alerting them of pharmacy student role in providing MTRs

## Preliminary Results

- Jefferson College of Pharmacy students completed 2 visits at one Project HOME site
- Each visit consisted of 5 pharmacy students and a supervising pharmacist over a total of seven hours
  - All pharmacy students were in their 3<sup>rd</sup> year of the PharmD Program
- MTRs were performed for all residents at this site by pharmacy students
- Most common DTPs identified:
  - Non-adherence
  - Unnecessary drug therapy
  - Improper documentation
- All recommendations provided to overseeing Project HOME nurse and/or staff using the MTR tool
- Completed MTR tool was added to the residents' medical records

## Conclusion

- Pharmacy involvement in the medication use process enhances the patient care provided to Project HOME residents
- Pharmacy students performing MTRs can be an effective way to identify DTPs

*“When effective partnerships are built, pharmacy students can help serve the needs of our community by promoting patient centered care and improving medication use.”*

- Ashley Maister & Toni Campanella, Patient Care Coordinators, Jefferson Chapter of APhA-ASP

## Next Steps:

- Completion of Phase II: implement communication letter into intervention to notify providers and community pharmacists of MTR findings and recommendations
- Phase III and Phase IV
- Deliver intervention to other Project HOME sites in Philadelphia, PA
- Obtain IRB approval to formally evaluate DTPs identified and resolved

## Acknowledgements

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- Earl Hugo, PharmD Candidate
- Sara Munie, PharmD Candidate

## 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.

Created by: Jefferson Chapter, APhA-ASP

**PROJECT HOME: Medication Therapy Review Documentation Tool**

Patient: \_\_\_\_\_ Date of Medication Review: \_\_\_\_\_  
 DOB: \_\_\_\_\_ Student Pharmacist: \_\_\_\_\_  
 Drug Allergies: \_\_\_\_\_ Supervising Pharmacist: \_\_\_\_\_  
 PMH: \_\_\_\_\_

Medication	Drug Therapy Problem(s) Identified (Check all that apply)	Priority of Drug Therapy Problem(s) (low, medium, high)	Recommendation
	<input type="checkbox"/> No known indication <input type="checkbox"/> Unnecessary drug therapy <input type="checkbox"/> Wrong drug <input type="checkbox"/> Dose too low <input type="checkbox"/> Dose too high <input type="checkbox"/> Therapeutic duplication	<input type="checkbox"/> Adverse drug reaction <input type="checkbox"/> Drug-drug interaction <input type="checkbox"/> Nonadherence <input type="checkbox"/> Needs additional drug therapy <input type="checkbox"/> Needs refills <input type="checkbox"/> Other: _____	
	<input type="checkbox"/> No known indication <input type="checkbox"/> Unnecessary drug therapy <input type="checkbox"/> Wrong drug <input type="checkbox"/> Dose too low <input type="checkbox"/> Dose too high <input type="checkbox"/> Therapeutic duplication	<input type="checkbox"/> Adverse drug reaction <input type="checkbox"/> Drug-drug interaction <input type="checkbox"/> Nonadherence <input type="checkbox"/> Needs additional drug therapy <input type="checkbox"/> Needs refills <input type="checkbox"/> Other: _____	
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\*If additional drug therapy problems identified, use reverse side.

Other comments: \_\_\_\_\_ Updated Medication List: \_\_\_\_\_

Disease state recommendations: \_\_\_\_\_

Medication administration recommendations: \_\_\_\_\_