

Feasibility of Pharmacy and Home Healthcare Transitions of Care Services in an Emergency Department Population

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INTRODUCTION

- 1 in 12 patients treated and discharged from the emergency department (ED) revisit the ED within 3 days; 1 in 5 patients revisit within 30 days¹
- Additionally, only 88% of ED patients fill their prescriptions; 48% take the medications correctly²
- While many transitions of care studies have shown positive outcomes focused on 30-day hospital readmission rates³⁻⁵, no research has focused on applying these services to non-admitted patients who are treated and discharged from the ED

OBJECTIVES

- Primary Objective**
- Determine the feasibility of pharmacy-only or pharmacy and home healthcare transitions of care services for an emergency department population
- Secondary Objectives**
- Assess revisit rates and/or hospital admissions, assess prescribed discharge medication adherence, identify and resolve medication-related problems (MRPs), describe patient satisfaction

RESULTS (TO BE COLLECTED)

| Objectives | Day 3 | Day 10 | Day 30 |
|----------------------|-------|--------|--------|
| Feasibility | ✓ | ✓ | ✓ |
| Revisit Rates | ✓ | ✓ | ✓ |
| Adherence | ✓ | ✓ | ✓ |
| MRPs | ✓ | ✓ | ✓ |
| Patient Satisfaction | | | ✓ |

METHODS



OSU East Hospital is a community hospital located on the eastern edge of downtown Columbus and is a part of OSU's medical system.

Inclusion criteria:

- Age ≥ 65 years old
- Not admitted to the hospital
- Discharged with ≥ 1 new medication

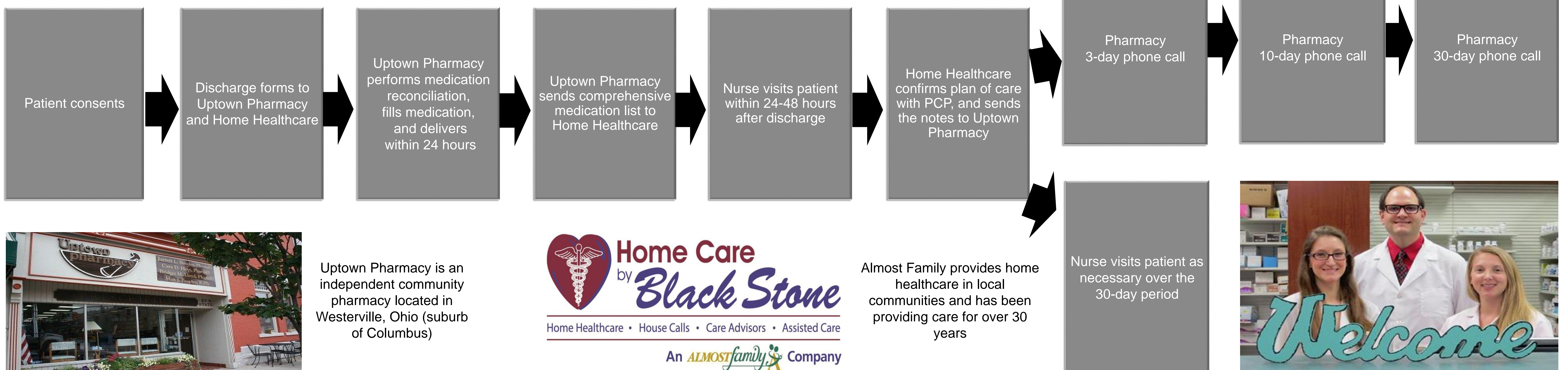
Exclusion criteria:

- Discharged with a controlled 2 substance or IV medication
- Home address > 50 miles from OSU East Hospital
- Patients who reside in a nursing home or assisted living facility
- Non-English speaking patients

Patients will self-select either:

1. Pharmacy-only service; or
2. Combination service of pharmacy plus home healthcare (Figure 1)

Figure 1. Pharmacy plus home healthcare service flowchart

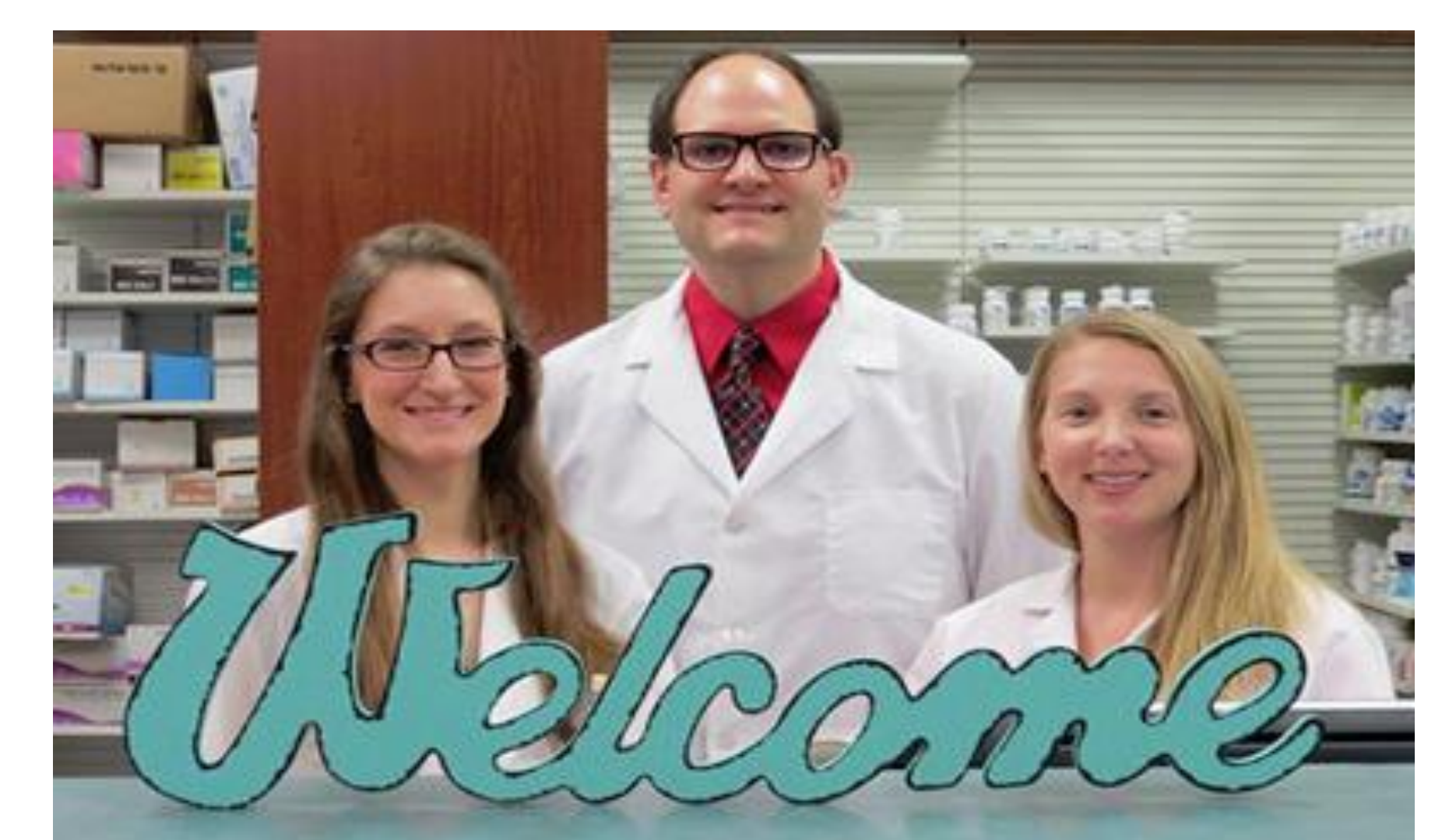


Uptown Pharmacy is an independent community pharmacy located in Westerville, Ohio (suburb of Columbus)



Almost Family provides home healthcare in local communities and has been providing care for over 30 years

Nurse visits patient as necessary over the 30-day period



FUTURE IMPLICATIONS

- This project will determine the feasibility of these services as applied to patients treated and discharged from the ED
- Results from this study could be used as a guide for other organizations to implement a successful and sustainable transitions of care service

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