



St. Vincent Outpatient Medication Management Services

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Ambulatory Pharmacy Services Structure and Vision

Medication Management Services at St. Vincent

- Anticoagulation
- Tobacco cessation
- Immunizations
- Disease state management
- Transitions of care
- Wellness visits
- Medication Reconciliation

Supported by Outpatient Dispensing Pharmacy Services

Across All Venues and Ministries

- MMS clinics
- PCC clinic
- Transplant
- Ctr for Healthy Aging
- SVMG
- OB
- Cardiology
- Home-based patients
- Pediatric Specialty Clinics
- St. Vincent @ Work
- Wellness and Preventative Care

Medication Management Services at St. Vincent

MMS Clinic

- Anticoagulation management
- Tobacco cessation counseling
- Immunizations

Primary Care Center (PCC)

- Anticoagulation management
- Chronic disease management
- Medication therapy management (MTM)
- Medication safety initiatives

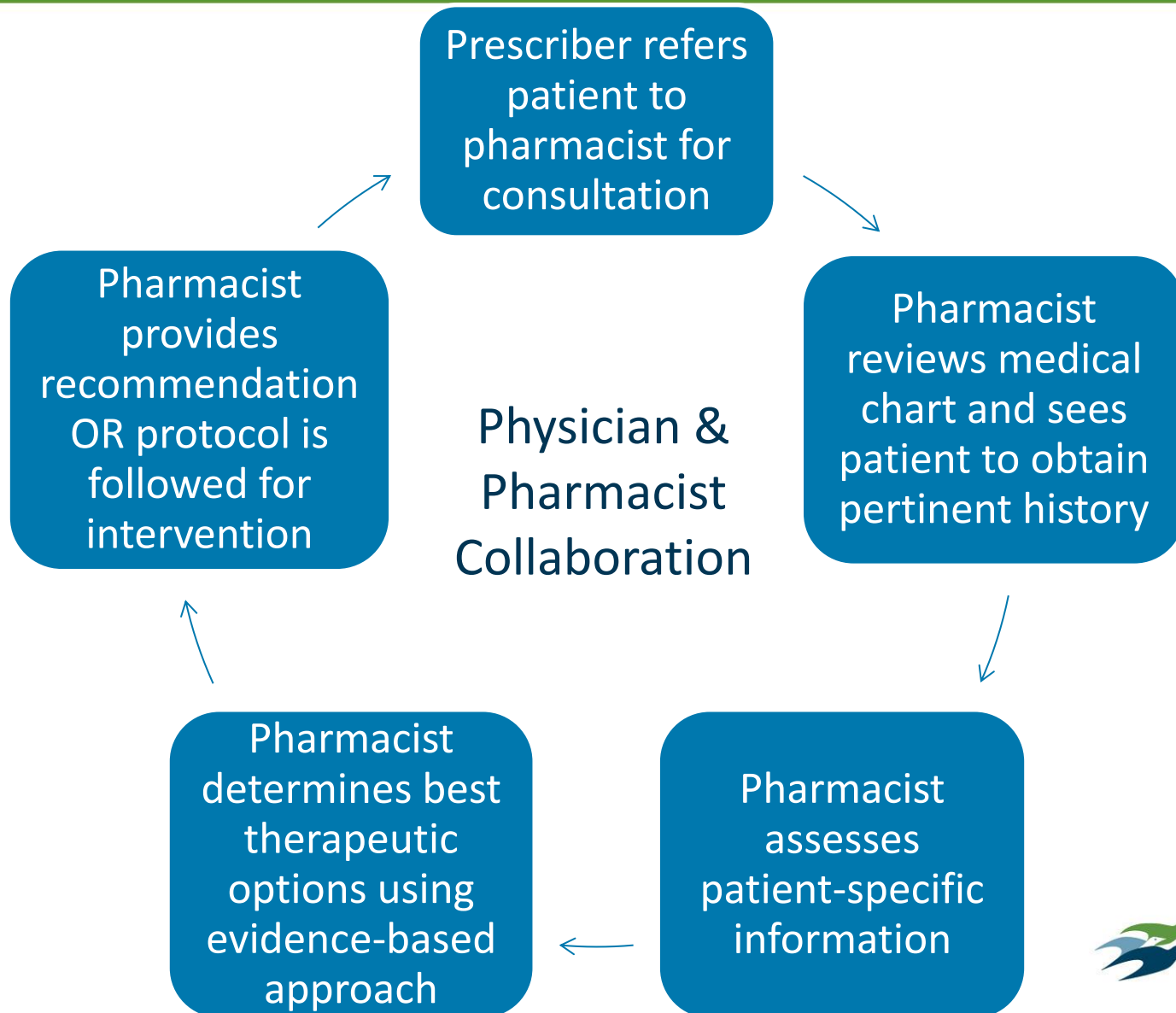
Center for Healthy Aging

- Anticoagulation management
- Geriatric assessments

St. Vincent at Work

- Chronic disease management
- Medication Therapy Management(MTM)
- Preventative and wellness

Chronic Disease Management – Pharmacist Role



Prevention and Wellness

Tobacco Cessation

- Counseling
- Medication Management

Cardiovascular Risk Reduction

- Blood Pressure
- Cholesterol
- Pre-Diabetes

Immunizations

- Administration
- Patient Identification

Why a Clinical Pharmacist?

Patient

- Patient satisfaction
- Improved medication adherence
- Improved health outcomes
- Increased self-management

Provider

- Provider satisfaction
- Improved clinical outcomes

Payer

- Financial outcomes

PCC Diabetes Management and Education

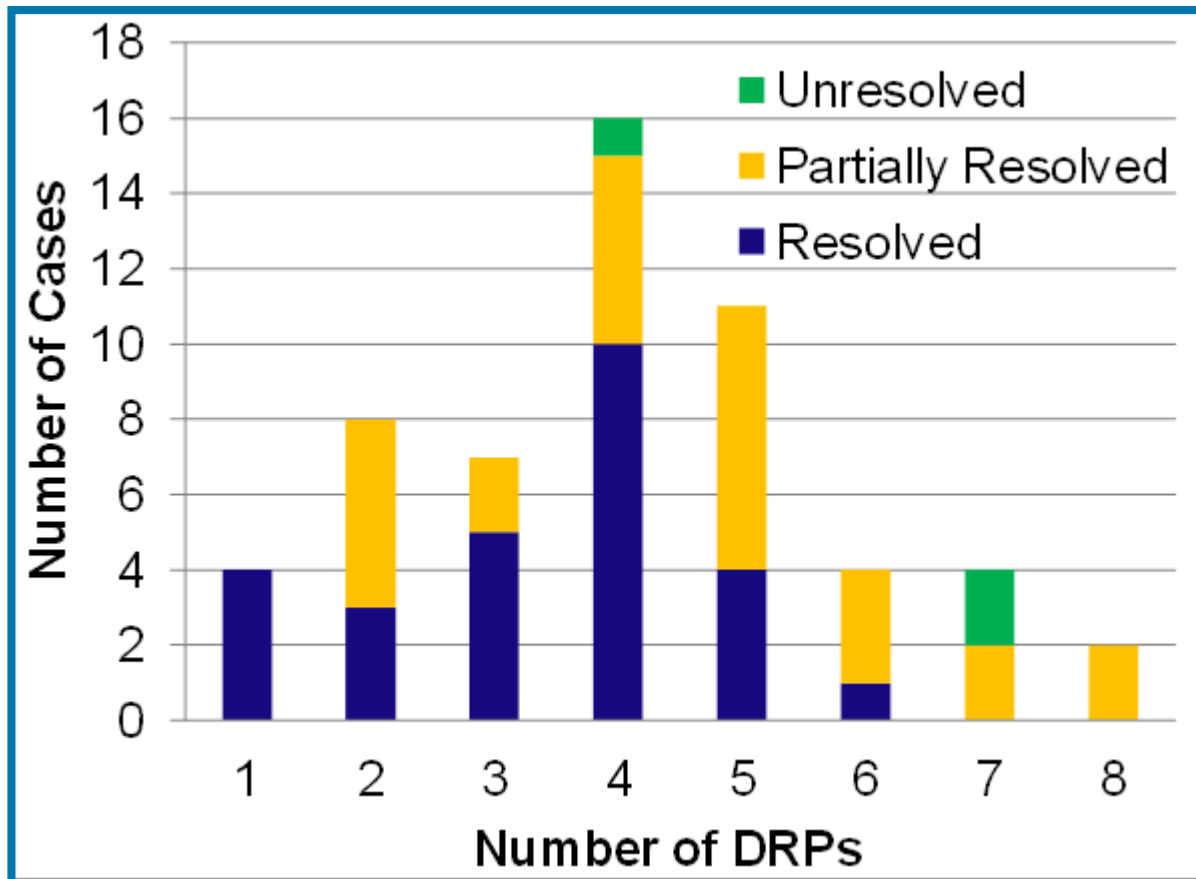
- Patients referred to clinical pharmacist for diabetes management and/or education

	A1c Reduction 2013		
	3 months	6 months	12 months
RPh management n=135	2.1%	2.4%	1.5%
No RPh management n=146	1%	0.3%	0.8%

- January – June 2014
 - 97 Pharmacy Referrals
 - 30 patients seen at least once

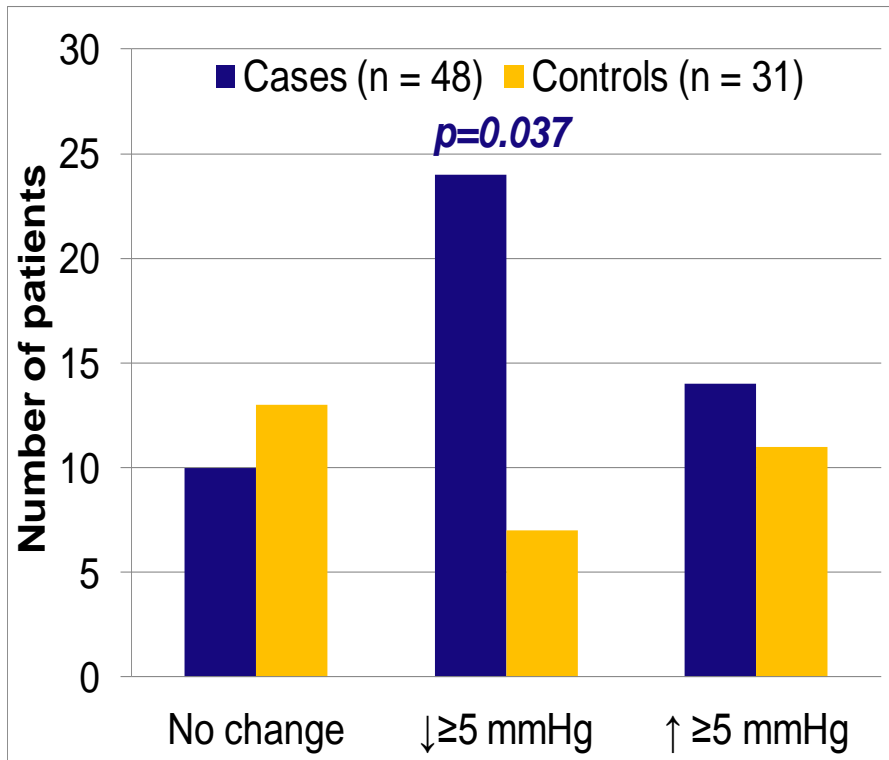
PCC MTM Services May 2011- June 2012

- 95 Pharmacy Referrals
- Median 4 Drug Related Problems (DRPs) identified per patient
- Median 3 DRPs resolved per patient

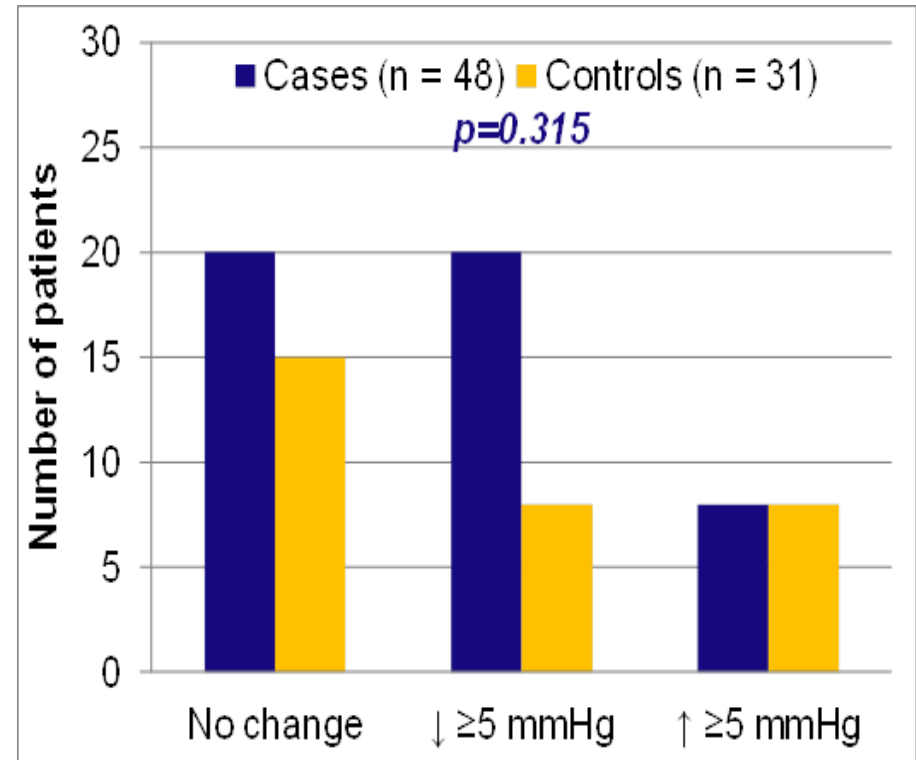


PCC MTM Services May 2011 – June 2012

Change in Systolic Blood Pressure



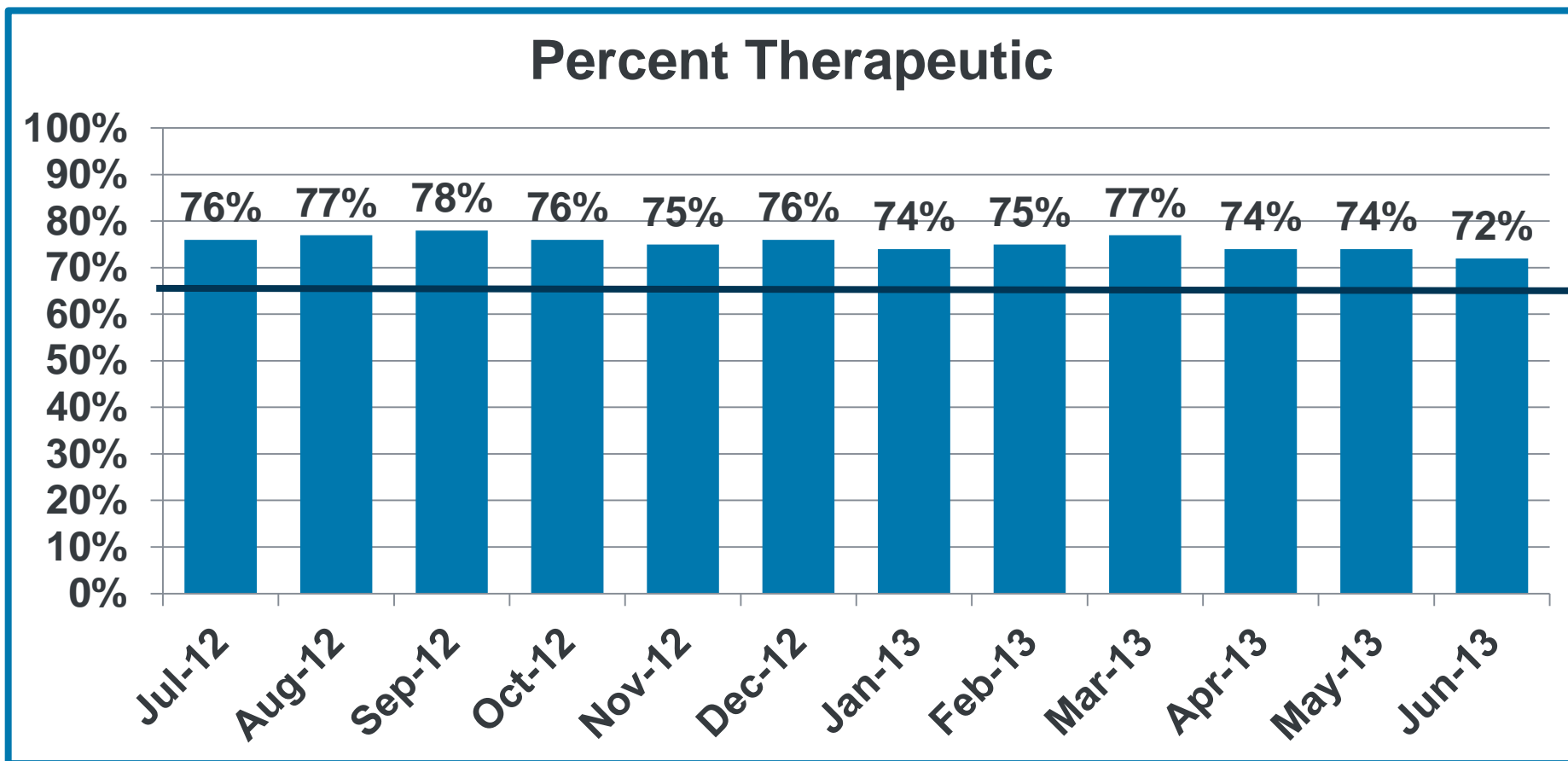
Change in Diastolic Blood Pressure



MMS – Anticoagulation Clinic

- Opened January 2010
- Four locations: Indianapolis, Carmel, Fishers, St. Joseph (Kokomo)
- Average 75 patients per day per clinic
- Referrals from cardiology, orthopedic surgeons, primary care
- Total number of patients: 2300
 - 332 self-testing

Time in Therapeutic Range (TITR) 2012-2013



- Exceeds benchmark (65%)
- Higher TITR correlates with fewer bleeds, clots, and adverse drug events
- Data suggests reduction in warfarin-related admission/readmission since clinic inception

References

1. Kim S, Martin MT, Pierce AL. Satisfaction with medication therapy management services at a University Ambulatory Care Clinic. *Pharmacy Practice*. 2014; published online.
2. Vincent AH, Gonzalvo JD, Ramsey DC, et al. Survey of pharmacist-managed primary care clinics using healthcare failure mode and effect analysis. *Pharmacy Practice* 2013 Oct – Dec; 11(4): 196-202.
3. Cranor CW, Bunting BA, Christensen DB. The Ashville Project: long-term clinical and economic outcomes of a community pharmacy diabetes care program. *J Am Pharm Assoc*. 2003;43:173-184.
4. Bluml BM, Watson LL, Skelton JB, Manolakis PG, Brock KA. Improving outcomes for diverse populations disproportionately affected by diabetes: final results of Project IMPACT: Diabetes. *J Am Pharm Assoc*. 2014;54:477-485.
5. Bunting BA, Cranor CW. The Ashville Project: long-term clinical, humanistic, and economic outcomes of a community-based medication therapy management program for asthma. *J Am Pharm Assoc*. 2006;46:133-147.
6. Bunting BA, Smith BH, Sutherland SE. The Ashville Project: clinical and economic outcomes of a community-based long-term medication therapy management program for hypertension and dyslipidemia. *J Am Pharm Assoc*. 2008;48:23-31.
7. Gonzalvo JD, Papineau EC, Ramsey DC, et al. Patient perceptions of pharmacist-managed clinics: A qualitative analysis. *J Pharm Technol* 2012;28:10-5.

QUESTIONS?