ASHP BEST PRACTICES AWARD

Implementation of a Scalable Pharmacy Population Health Model at a Large Regional Health System

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List of team members in order of appearance in photo
(Left to Right):

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Introduction

Healthcare Facility
- 5 campuses
  › 1 academic medical center
  › 4 network community hospitals
- 9 community and accredited specialty pharmacies
- Large ambulatory network of primary care and specialty practices
- 2015, joined Accountable Care Organization (ACO), participated in 1st value-based care (VBC) contract
- 2019, Advanced risk to 11 VBC contracts with approximately 59,000 covered lives

Background
- Centers for Medicare & Medicaid Services (CMS) is abandoning traditional healthcare models in favor of pay-for-performance
- VBC contracts focus on improving quality and reducing costs
- Performance is based on CMS ambulatory quality measures
  › Many are medication-related
- Medicare Advantage contracts include incentives for improving medication adherence, which are triple-weighted measures
- Pharmacists are well positioned to impact VBC and outcomes by taking responsibility for
  › Medication management
  › Medication-related quality measures
- There is limited research regarding role of pharmacists in VBC

Introduction *(continued)*

CMS Medication-Related Quality Measures

Purpose
- To design, describe, implement, and evaluate the role of pharmacists in a population health model at a large regional health system

Description of the Program

Objectives
- Create scalable tools
- Prioritize patients and interventions
- Standardize communication to primary care providers (PCP)

Innovative Solutions

Tool or Strategy	Purpose
Pharmacy ACO Dashboard	Identify patients (in Epic electronic health record [EHR])
Pharmacy Risk Score	Prioritize patients by quality measure opportunity (in Epic EHR)
Best Practice Advisory	Standardize communication method between pharmacist & Primary Care Provider (PCP) (in Epic EHR)
Virtual Pharmacy Team	22 pharmacists who contribute incremental time to conducting comprehensive medication reviews (CMR) for assigned VBC patients
Monthly CMR Scorecard	Report monthly metrics and identify opportunities for process improvement
Embedded Pharmacists	Practice in rural communities with high risk/high volume patient populations

Description of the Program *(continued)*

Pharmacy Population Health Timeline

Virtual Pharmacy Team & CMR Scorecard

- 22 Pharmacists
  - 5 PGY1 Residents
    - 3 Community
    - 2 Ambulatory-focused
  - 15 Community Pharmacists
    - 13 Traditional Community
    - 2 Specialty Pharmacy
  - 2 Ambulatory Care Pharmacists

Experience with the Program

Assessment of data and opportunities 1-year after implementation
- Evaluation of 2,921 CMRs over 9-month period
  › 33% pharmacist recommendation rate
  › 23% provider acceptance rate
  › Most commonly accepted recommendations
    - Diabetes management
    - Hypertension management
    - Health maintenance

Pharmacist Recommendations & Acceptance

Recommendations by Category		
	Recommendations	Accepted Recommendations
Uncontrolled Hypertension	294	61 (21%)
Atherosclerotic Cardiovascular Disease (ASCVD)/Statin use	196	31 (16%)
Rheumatoid Arthritis/Disease-modifying anti-rheumatic drug (DMARD) use	2	1 (50%)
Osteoporosis/Dual Energy X-ray Absorptiometry (DEXA) Scan	6	5 (83%)
Ischemic Vascular Disease (IVD)/Antithrombotic use	25	5 (20%)
Discharged in Past 30 Days/Assessment of medication-related issues	5	4 (80%)
Medication Review: HbA1c > 8%, dosing	482	134 (28%)
Other: immunizations; tobacco cessation; pharmacy care clinic referral; lab request; supplements	375	77 (21%)
Total	1,385	318 (23%)

Experience with the Program *(continued)*

- Creation of Pharmacy Population Health Center
  › Purpose
    - House virtual team
    - Triage patient care services
    - Deploy resources as needed
    - Utilize proactive strategies to ensure medication-related quality measures are addressed
    - Improve reports and analytics to identify
      - Benchmark performance opportunities
      - Patients at risk of failing measure(s)
      - Social determinants of health
  › Required rotation for all PGY1 residents beginning 2019-2020
  › Future focus
    - Rising-risk patients
    - High-utilizers (hospitalizations & ED visits)
    - Drug utilization
    - Behavioral health

Pharmacy Population Health Center

Discussion/Conclusion

- With healthcare facing constrained financial resources and needing to demonstrate better outcomes for lower cost, it is imperative to define the pharmacy team's role on the care coordination team
- Application of this pharmacy population health model provides a method to
  › Effectively address medication-related quality measures
  › Prioritize patient-centered care for patients most in need
  › Increase financial gains without significant addition of new full-time equivalents (FTE)
- As healthcare transitions to value and risk-based payment models, three elements are imperative for success
  › Optimal use of technology to innovate tools that direct pharmacist workflow
  › Standardization of communication with the healthcare team
  › Addressing VBC contract standards related to quality and medication adherence