Pharmacist Collaboration to Maximize Your Patient-Centered Medical Home

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Learning Objectives

- Describe how pharmacists can provide patient-centered, collaborative care in a primary care setting
- Discuss a transitional care coordination workflow in a patient centered medical home
- Demonstrate effective population management initiatives

Pharmacist Education

- Doctor of Pharmacy Degree
 - 6-8 years education
 - 3 year emphasis:
 - Medicinal chemistry
 - Pharmacology
 - Pharmacokinetics
 - Therapeutics
 - 1 year experiential
- Pharmacy Residency (elective)
 - 1 or 2 years clinical experience

OSU General Internal Medicine

- Martha Morehouse GIM Clinic
- CarePoint East GIM Clinic
- Stoneridge GIM Clinic
- Grandview GIM Clinic
- Hilliard GIM Clinic
- Lewis Center Primary Care



National Committee for Quality Assurance (NCQA) tier 3 patient-centered medical homes (PCMH)

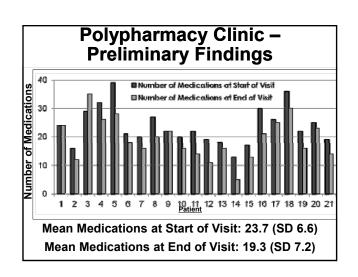
Martha Morehouse GIM Clinic

- >75 Internal Medicine residents; 12 attending physicians
- >20,000 patients
- 1 pharmacist shared faculty; 2 pharmacy residents
- 5 care coordinators (RN)
- 1 social worker
- 1 medication assistance programs coordinator
- · 12 medical assistants

Polypharmacy Service

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Polypharmacy Clinic Workflow • Medication-focused visit with pharmacist and internal medicine resident Target patients taking ≥ 10 medications Staff visit Patient Pre-visit with receives screening attending education 八 **Patient** Assess for Follow up in presents drug related one month with problems medications



Polypharmacy Clinic Value

- 5-6 patients scheduled per ½ day
 - 1 attending physician, 1-2 medical residents, 2 pharmacists, medical students, pharmacy students
 - Could be modified to pharmacist only
- Pharmacist billing opportunities for select insurers
- Up-to-date medication list in EMR

Transitional Care Coordination

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Transitional Care Coordination

- 99495/99496 introduced in January 2013
- Contact by "licensed clinical staff" within 2 business days of discharge from acute care setting

Type of contact

- Phone
- Email
- Face-to-face

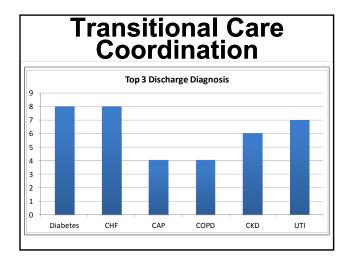
Acute Care Setting

- Acute or rehabilitation hospital
- Observation unit
- Nursing facility
- Face to face visit with physician within 7-14 days
- Continued coordination 30 days post-discharge

Patient Discharged • Discharge summary sent to physician Physician review to determine complexity • Message electronically sent to pharmacist Pharmacist contacts within 2 business days • Assess patient; medication reconciliation; confirm appointments; document Patient follow-up within 7 or 14 days • Pharmacist's note leads to focused visit

Transitional Care Coordination

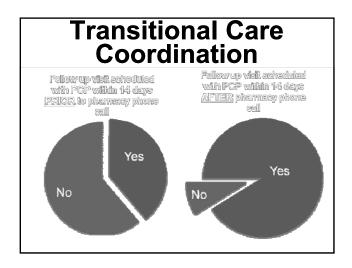
- Results from 4/1/13 7/31/13 (n=68)
- Demographics
 - Female 62%
 - Mean age 67.1
 - White 66%; African American 31%
 - Medicare 60%; Private 22%



Transitional Care Coordination

- Discharge location:
 - OSUWMC 59%
- Average medications upon discharge 14.7
 - 37.3% on opioid
 - 34.3% on anticoagulant
 - 25.3% on antibiotic
 - 25.3% on insulin





Transitional Care Coordination

- Medication-related problems
 - Identified in 60% of phone calls

Did not start NEW medication	15	
Taking medication incorrectly (e.g., wrong dose, time)	10	
Continued to take a STOPPED medication		
Experienced adverse effect	5	
Warfarin without INR monitoring scheduled	6	

Transitional Care Coordination Value

CPT code	tRVU	wRVU	tRVU - wRVU
99214	3.13	1.49	1.64
99495	4.82	2.11	2.71
99215	4.20	2.10	2.10
99496	6.79	3.05	3.74

- · Efficient hospital follow-up visit
- · Reduced rehospitalizations?

Why patients do not fill their prescriptions

Common drugdrug interactions

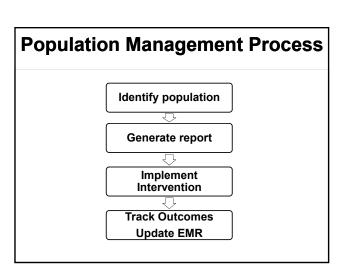
Population Management

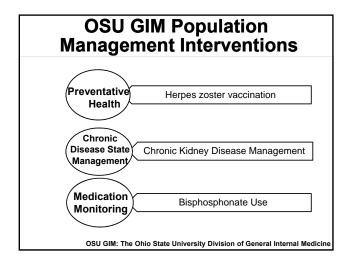
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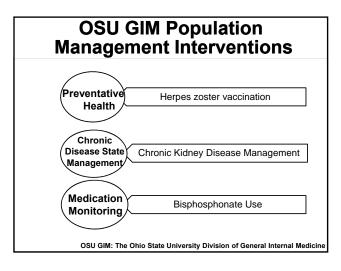
Population Management

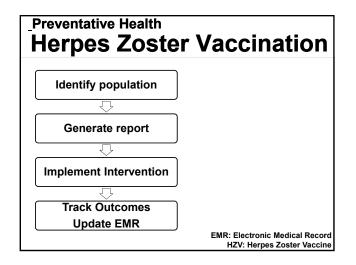
- Uses EMR-reporting capabilities
 - Patient registries (PCMH requirement)
- Proactive, targeted interventions
- Incorporates team-based care
- Improves outcomes in specific population
- Can be completed outside of an office visit

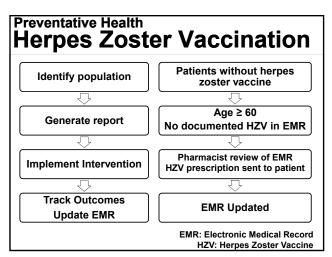
EMR: Electronic Medical Record

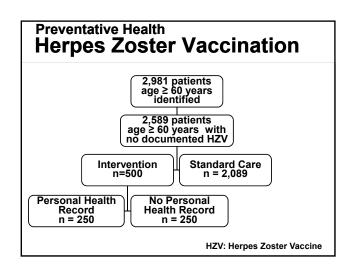


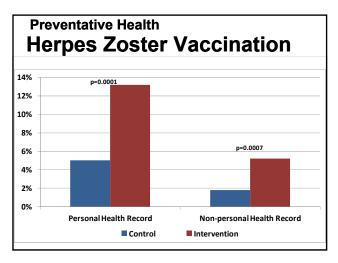


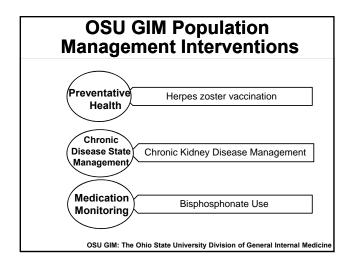


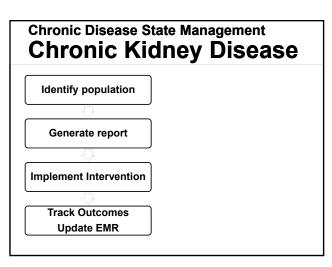


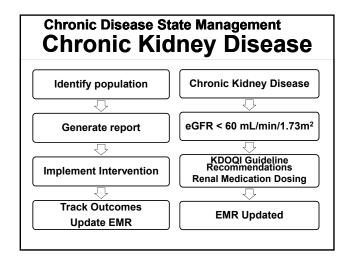


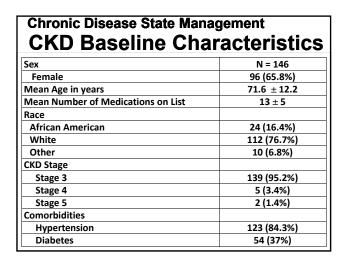


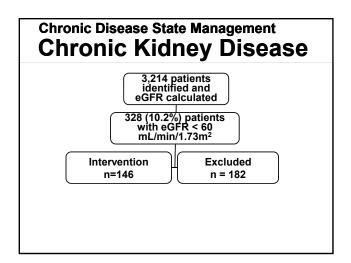


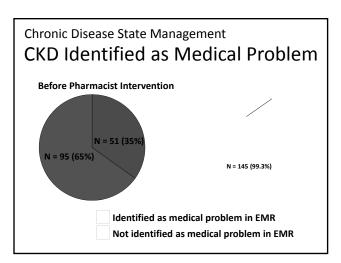


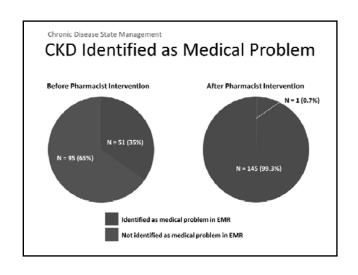


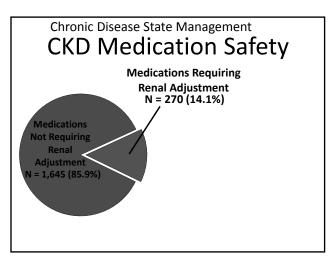


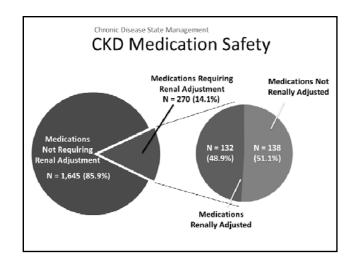


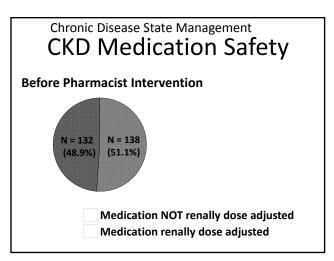


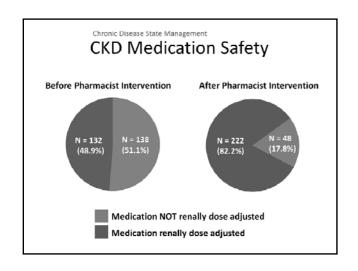


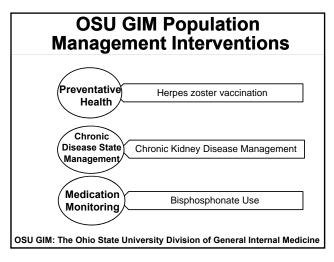


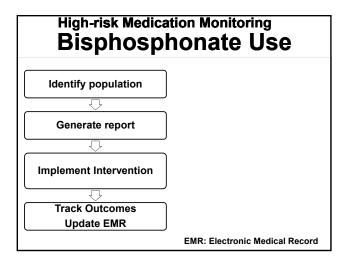


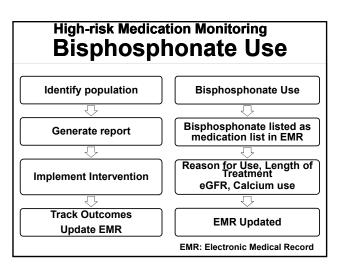


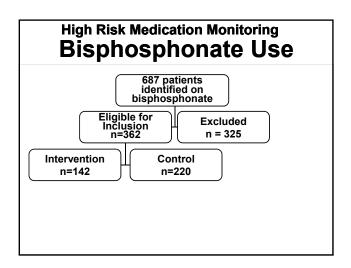


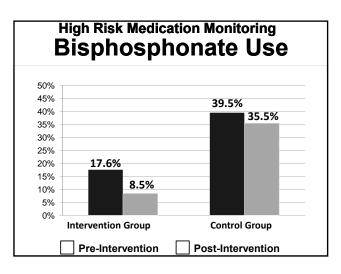


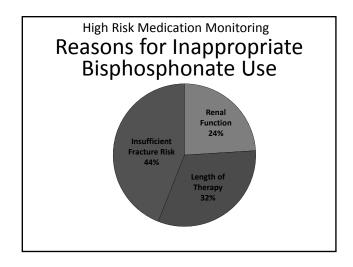












Population Management

- · Proactive, targeted interventions
 - MANY other opportunities
- Team-based care
- Can occur outside of office visit
- Patient-centered medical home credentialing, etc
- Improves patient outcomes