Role of Pharmacist and POCT in Primary Care

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Learning Objectives

Describe pharmacy-based point-of-care testing services

Develop a model for implementation of a pharmacy-based point-of-care testing service

Explain the barriers and successes to implementation of a pharmacy-based point-of-care testing service
Community Pharmacies

~60,000 in the United States

Most patients visit their pharmacy more often than any other health care provider

Underutilized health care resource

~10,000 pharmacies in the United States are already set up as laboratories
Point-of-Care Testing in Pharmacies

1. Pharmacy-based retail clinics
2. Pharmacy-based labs/specimen collection
3. Pharmacist provided care
Pharmacy-Based Point-of-Care Testing

Opportunities
- Increased access
- >120 CLIA waived tests
- Acute and chronic disease screening
- Disease management and monitoring
- Public health screening and surveillance
- Antimicrobial Stewardship

Challenges
- Difference in state laws
- Space
- Workflow
- Payment/Sustainability
- Training
- Demonstrating value and improved patient outcomes
120 CLIA-Waived Tests in U.S.

**Chronic**
- Blood glucose
- Fecal occult blood
- Pregnancy
- Cholesterol
- Triglycerides
- Thyroid Stimulating Hormones
- Hemoglobin A1C
- HIV
- Hepatitis C

**Acute**
- Influenza
- Group A Streptococcus
- Respiratory Syncytial Virus
- Mononucleosis
- H. Pylori

CLIA = Clinical Laboratory Improvement Amendments
>120 CLIA-Waived Tests in U.S.

### Chronic
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Model for Acute Conditions...

Patient Assessment + Point of Care Test + Action Enabled by Broad CPA = Improved Health Outcomes
Model for Acute Conditions...

The test is just a single piece of the puzzle.

The value is the comprehensive pharmacy service enabled by a Collaborative Practice Agreement.
Effectiveness of a pharmacist-physician collaborative program to manage influenza-like illness

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A feasibility service evaluation of screening and treatment of group A streptococcal pharyngitis in community pharmacies

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Expanded Use in the Pharmacy

Point-of-care testing services are anticipated to surpass immunizations to drive revenue. Pressure from payers to detect high-cost diseases early will help speed up the growth of pharmacy-based diagnostic screening services.

2015 Report on Retail health & wellness Innovation, convergence, and healthier consumers
Advances in Technology

- Automated tests and readers
- Wireless connectivity
- Patients, providers, public health
- Inventory management
- Multiplex assays
- Enhanced sensitivity and specificity
- Tailored to the pharmacy workplace
Summary

Pharmacies are well positioned to be providing point-of-care testing services.

Depending on the tests offered at the pharmacy, the model of care will vary widely.

Barrier exist to widespread implementation of pharmacy-based point-of-care testing services.
Questions?

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