

Lynn Harrelson Geriatric Integrative Clinical Pharmacist

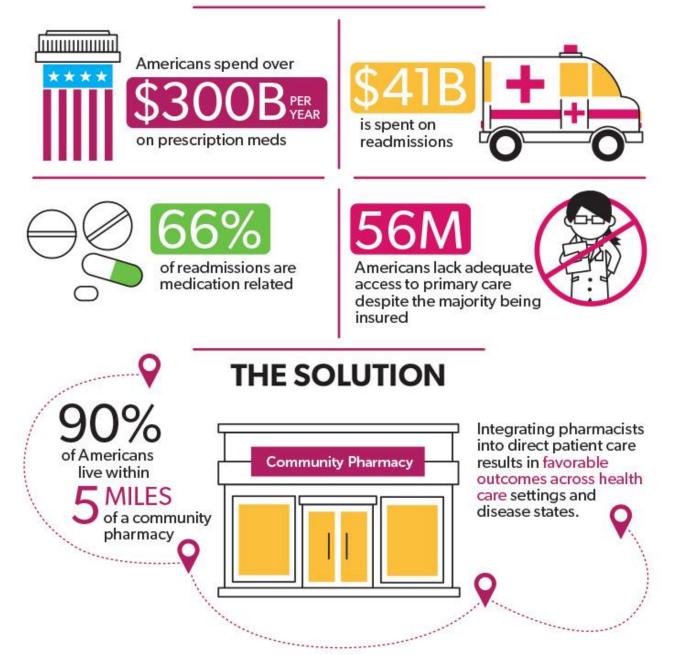
# **Innovative Pharmacists Services: Improving Health Outcomes** and **Controlling Costs**



#### Today's cost of healthcare ..... Untenable, escalating out-of-control

- One of the largest reoccurring costs cost of prescriptions
- The use of these costly medications can lead to further escalation of other healthcare services
- Medication Related Problems (MRPs) are both a costly component of today's healthcare and a challenge for today's patients.

#### **THE PROBLEM**



Today's Patients are increasing taking more medications

- Kentucky even more so.....
- More comorbid diseases at earlier ages
- High Tobacco Use
- Weight Control Issues
- Use of Controlled Substances

- Today's Pharmacists just don't dispense medications
- Provide services to support the optimal use of medications
- Supports better health, healthcare decisions and outcomes resulting in lower costs for patients and for payers.

Examples of non-dispensing services provided at many pharmacies

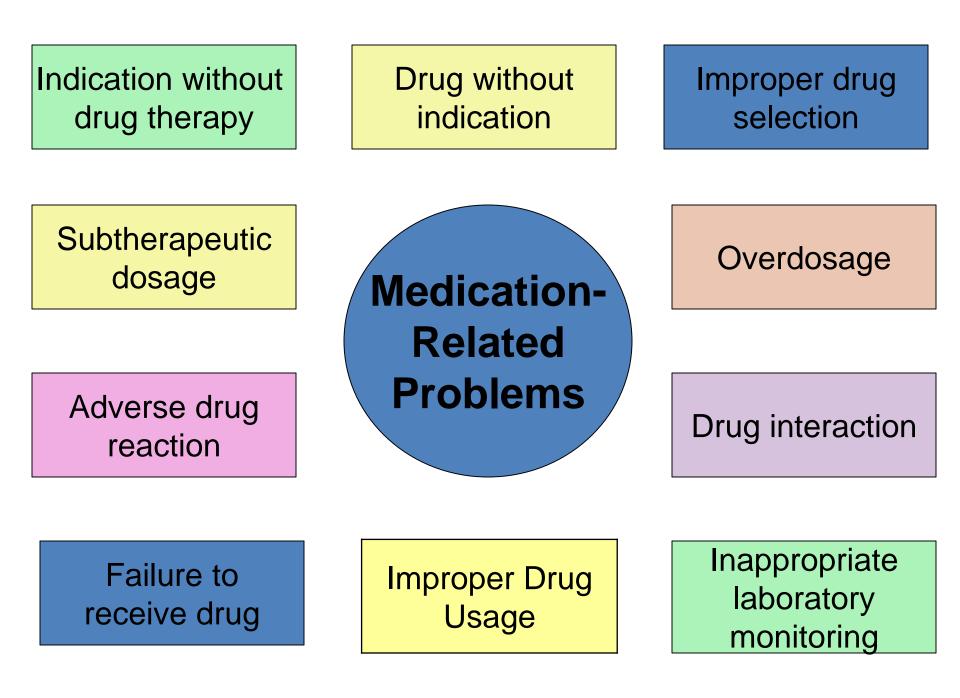
- Vaccinations
- Synchronization program/Automatic refills
- Blood Pressure & Blood Sugar screens
- Diabetes training
- Classes for Allergies, Cardiovascular, Diabetes
- Drug disposal options

Innovative Pharmacists Services When medications are dispensed, patients are asked if they have questions.....

- Many patients say no, ignore the question
- Many don't read the medication guide
- Many don't read the extra labels on the prescription bottle
- Many don't read the label..... at all

Additionally medications are not always used correctly

- 80-85% not refilled on schedule
- 70-75% not taken properly
- 34-52% not picked up patient
- 30-50% not taken to the pharmacy for dispensing



#### **Potential of**

# **Medication Related Problems**

- 6% when seniors take 2 medications
- 50% when seniors take 5 different medications
- 100% when seniors take 8 or more different medications

(Larsen and Martin, 1999)

- Medication Related Problems can be caused by any and all medications
- ✓ Prescriptions, OTCs, non-prescriptions
- ✓ Samples, starter doses
- ✓ Supplements, herbals, nutraceuticals
- ✓ Nutritionals, alternative therapies
- ✓ Office administered medications
- ✓ Street drugs

#### **Potential of**

#### **Medication Related Problems**

# The biggest contributing factor to falls in the sicker/older population are their medications

- In Kentucky, Medications Related Problems (MRPs) are more prevalent at an earlier age
- More diseases at earlier ages
- Multitude of prescribers/specialists
- Challenging transitions of care/information
- Lack of patient/caregiver engagement

- In patients over 65, the cost of Medication Related Problems rivals the economic impact of
  - Alzheimer's disease
  - ✓Cancer
  - ✓ Cardiovascular Disease
  - ✓ Diabetes

#### Innovative Pharmacists Services What is America's Other Drug Problem

Providing extensive resources for medications that fail to provide improve outcomes and/or cause more problems, further escalating the cost of healthcare

Falls are the #1 preventable accident in the elderly

Real cost of covered medications is not just the copay

- Medical Insurance State Budget (SB)
- Drug Insurance State Budget (SB)
- Prescribers Visits, Copays State Budget (SB)
- Labs State Budget (SB)
- RX & copay State Budget (SB) & Patient
- Investment of time, travel, productivity, etc.

#### A Comprehensive Pharmacist MTM Service can ...

- Clarify use of a patient's unique group of medications
- Develop a plan for the optimal use of all "medications"
- Answer and address questions about use or side effects of a patient's unique combination of medications
- Improve the use and understanding of all medications

#### Implementing Comprehensive Pharmacist MTM Services can .....

- ✓ Reduce or minimize side effects
- ✓ Improve compliance, organization and follow-up
- Improve the overall outcomes of the patient
- Decrease healthcare costs by addressing medication related problems

Implementing Comprehensive Pharmacist MTM Services can reduce overall healthcare costs by...

Avoiding the

✓ suboptimal outcomes/problems

healthcare provider appointments

emergency rooms visits

✓ hospital admissions

Implementing Comprehensive Pharmacist MTM Services can contribute to....

- ✓ patient safety
- ✓ continued well-being
- ✓ improved overall patient health

✓ reduction/improved use of medication

Implementing Comprehensive Pharmacist MTM Services can results in....

 <u>Patient specific information</u> for other healthcare providers to consider

✓ more detailed

✓ more accurate

✓ more complete

#### Implementing Comprehensive Pharmacist MTM Services can provide solutions and support

- Enabling patients, their family, caregivers and healthcare providers to optimize the healthcare investments of the patient.
- This can be a win-win for both the patient and the state's budget.

Our healthcare system must operate as we would operate any successful endeavor, with a...

- Root cause analysis, we know the problem...
- Plan
- Outline of needs/actions
- Team of key people/resources

Pharmacists must absolutely

be on that team of care providers

and

compensated for the specialized services we can provide



#### Patient Centered Care

Individuals who have more knowledge, skills and confidence to manage their health and health care are more likely to engage in positive health behaviors and to have better health outcomes.



#### **Patient Centered Care**

Supporting patients with long-term conditions to manage their health and care can improve clinical outcomes. When people play a more collaborative role in managing their health and care, they are less likely to use emergency hospital services. They are also more likely to stick to their treatment plans and take their medicine correctly.

Implementing Pharmacist Comprehensive MTM Services can reduce overall healthcare costs by working with the patient, family, prescribers to.....

✓ maximize the benefits of medications and

 Minimize/reduce medication problems, concerns or complaints Innovative Pharmacists Services Watch Special Committee on Aging October 16 committee hearing video

#### Comprehensive Pharmacist MTM Services Can Prevent Falls

- 0:14 Collins Cost of Falls
- 0:21 Casey Fall Report Overview
- 0:47 Cameron Impact of Falls
- 1:11 Cameron Private Approach
- 1:23 Traumatic Brain Injury
- 1:33 Cameron Pharmacist Role

Testimony video starts at 0:13

#### **Reference Slides**

#### ADDRESSING MEDICATION COMPLEXITY **THROUGH COMMUNITY-BASED STRATEGIES**

Juggling medications can be overwhelming for people with complex needs - individuals who often struggle with low health literacy, unstable housing, isolation, and other unmet issues. This population is often prescribed multiple medications from numerous providers taken on different schedules with no overall provider oversight.



drua

interactions

**29% OF AMERICANS** take five or more prescriptions daily

adverse

drug events

**30% OF ELDERLY** take eight or more prescriptions daily



WHAT DOES MEDICATION COMPLEXITY LOOK LIKE?

**119K ANNUAL DEATHS** in the U.S. from prescription medication-related issues



1 MILLION ED VISITS 280K HOSPITALIZATIONS each year from avoidable complications caused by drugs or drug interactions

#### MEDICATION COMPLEXITY CAN CAUSE:

#### /med·i·ca·tion trau·ma/ noun

"Medication complexity and lack of coordination that overwhelm the patient, caregiver, and provider, creating fear, confusion, and error, which lead to poor adherence and outcomes."

- Jim Slater, PharmD, CareOregon

treatment goals ...ALL OF WHICH CAN LEAD TO WORSE HEALTH, HOSPITALIZATIONS, AND PREMATURE DEATH

**RISKS OF MEDICATION COMPLEXITY:** 

0

failure to accomplish

#### COMMUNITY MANAGEMENT OF MEDICATION COMPLEXITY

Shift from the traditional one-way model of prescribing and dispensing to a patient-centered approach.





Identify people at risk for medication complexity through social determinants of health screening tools and risk algorithms/ data segmentation.



SIMPLIFY

Simplify and optimize medication use through comprehensive medication management, enhanced discharge planning, and de-prescribing medications.



Deploy non-traditional workforce strategies, such as community paramedics, specially trained pharmacy technicians, or community health workers.



Empower patients to take ownership of their medication regimens by incorporating their stories and hopes in designing care goals.

Center for Health Care Strategies, Inc.

Made possible through support from the Gordon and Betty Moore Foundation.

To learn more, read the CHCS report, Opportunities to Enhance Community-Based Medication Management Strategies for People with Complex Health and Social Needs, available at www.chcs.org/med-complexity-report/.

# "When you see someone taking 14 drugs, the last 7 are usually treating the side effects of the first 7."

Albert Wertheimer,

Director of Pharmaceutical Health Services Research, Temple University

# "Any symptom in an elderly patient should be considered a drug side effect until proved otherwise."

J Gurwitz, M Monane, S Monane, J Avorn Brown University Long-term Care Quality Letter 1995

#### **Symptoms**

- Confusion
  Incontinence
- Depression
  Changes in speech
- Delirium
- Insomnia
- Falls

- Loss of appetite
- Weakness or lethargy
- Parkinson's-like symptoms



#### When it comes to healthcare, ONLY the highest quality care will do.

We offer personalized evaluation of your prescriptions and supplements and careful guidance to help you maximize the benefits and minimize the side effects.



Good health starts with good information.

Improving quality of life through better medication management.

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# Senior Pharmacy Solutions Medication Therapy Management Services

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