

# Building the Case: Changing Consumer Perceptions of the Value of Expanded Community Pharmacist Services Kathryn Steckowych, PharmD; Marie Smith, PharmD; Susan Spiggle, PhD, MBA; Andrew Stevens, PharmD Candidate 2019

 Table 1: Case-Based Scenarios

# BACKGROUND

- Consumers are an important stakeholder group to support the evolu pharmacist's role within the community.
- Consumer advocacy organizations (COA) can add the voice of consur expand such services.
- Improving consumer understanding of and appreciation for commun clinical services will facilitate the expansion of community pharmacis extenders.

## OBJECTIVES

The objectives of this project were to:

- . Determine factors that contribute to positive and negative consume expanded pharmacist patient care roles.
- Identify facilitators and barriers that contribute to consumer awarer perceptions of the value of expanded community pharmacist service based scenarios.
- Develop strategies and approaches for increasing consumer advocation expanded community pharmacist patient care services.

# METHODS

CONSUMER ELIGIBILITY CRITERIA

- Inclusion Criteria: (1) English speaking adult, (2) 50 years of age or old or more chronic conditions, and (4) prescribed 1 or more chronic me
- Exclusion Criteria: (1) Unable to individually speak, comprehend, and cognitively impaired, (3) hearing impairment that inhibits participant routine conversations, and (4) unable to individually arrange transpo the focus group (FG) facility.

### CONSUMER RECRUITMENT

- Recruitment occurred in April/May 2017 until 8-10 participants were
- Study announcements and flyers were placed in consumer advocacy
- and senior center publications, and community pharmacies.

### FOCUS GROUP STRUCTURE

Two 90-minute FGs were completed, and each were each split into 3 pail questions asked included:

- **1.** Part 1: (a) participants' current interactions with community pharma the community pharmacist in their healthcare, and (c) the types of r patient care services that their pharmacist provides.
- 2. Part 2: three scenarios of expanded community pharmacist services (i.e., pharmacist administration of non-immunization injectable medications, pharmacist refills for chronic medications, and pharmacist diabetes medication monitoring/management) (Table 1) followed by individually-completed Likert-scale questionnaires.
- **3.** Part 3: (a) major facilitators and barriers that would influence them to use or not use expanded services, and (b) the role of CAOs in increasing the awareness of the value of expanded community pharmacist services.

### FOCUS GROUP ANALYSIS

• Each FG discussion was audio recorded, transcribed verbatim, and analyzed using the constant comparative method (i.e., grounded theory approach) – an iterative process that is used to identify key, emerging themes common to both FGs.

|  | Idule I. Case-Daseu Scenanos   |  | Table 2. Companson of   |  | Ust-stenano Questionnane & rotus Group Distussion memes (An stenanos)  |  |  |
|--|--|--|---|--|--|--|--|
| olution of the   | Scenario 1   | Scenario Details<br>You are a patient who has low vitamin B12 levels. In order to  | Question  | Questionnaire<br>Response (median)   | Focus Group Discussion Findings  | Alignment of Questionnaire Responses and Focus<br>Group Discussion Findings  |  |
| sumer support to   | Administration of non-<br>immunization injectable  | keep your levels normal, you have been visiting your primary<br>care doctor once a month to get an injection of vitamin B12.<br>Your community pharmacist has recently become certified to<br>administer injectable medications (in addition to vaccines) at   | 1. I am aware that community pharmacists are offering this service  | Disagree   | <ul> <li>Participants were unaware expanded services were<br/>being implemented in community pharmacies<br/>across the country</li> </ul>  | STRONGLY ALIGNED   |  |
| nunity pharmacist<br>acists as primary care  | medications  | the pharmacy. Your pharmacist is able to administer your<br>vitamin B12 injection in the pharmacy. Your pharmacist sends a<br>note to your doctor each time a vitamin B12 injection is<br>administered in the pharmacy.<br>Scenario Details  | 2. Community pharmacists are<br>capable of conducting this service<br>(e.g., education/training)  | Agree  | <ul> <li>Scenario 1 gained the most support for pharmacist<br/>capability (across all scenarios), likely because of<br/>the similarity with pharmacist-administered<br/>immunizations</li> </ul> | <ul> <li>DID NOT ALIGN</li> <li>This discordance could be due to participant<br/>misunderstanding of the described scenario or limited prior<br/>experience with community pharmacists in direct patient</li> </ul>  |  |
|  | Refills for chronic medications  | You are a patient who is taking 3 medications daily to treat your<br>chronic conditions. Your primary care doctor's office is very<br>busy, and sometimes you have to wait 5 days for your doctor to<br>send in refills for your medications to your pharmacy. Your<br>community pharmacist has a written agreement with your<br>doctor that allows the pharmacist to automatically authorize<br>refills for your chronic medications without having to call your<br>doctor. Prior to providing refills, your pharmacist will check your<br>labs and will make sure you have been keeping your doctor<br>appointments. Instead of waiting 5 days for a refill, your<br>pharmacist can refill your medication the same day you request<br>it. Your pharmacist would alert your doctor that refills were<br>authorized for 6 months.   | 3. I would feel comfortable if my<br>primary care provider shared relevant<br>electronic medical information with<br>my community pharmacist  | Agree  | • Participants were more willing to have their pharmacist access their electronic health record for services relating to scenario 1 as compared to scenarios 2 and 3                             | <ul> <li>care roles</li> <li>DID NOT ALIGN</li> <li>This discordance could be due to a lack of participant<br/>understanding (at the time of questionnaire completion) of<br/>the type/extent of electronic health record access required<br/>by the pharmacist for this expanded service</li> </ul> |  |
| Imer perceptions of  |  |  | 4. I would utilize this service provided<br>in a pharmacy instead of my primary<br>care practice as long as it was covered<br>by my insurance   | Strongly Agree   | <ul> <li>Some participants voiced preference in continuing<br/>to use their physician for discussed services even if<br/>the service was covered at the pharmacy</li> </ul>                      | <ul> <li>MOSTLY ALIGNED</li> <li>Those patients who preferred to use their physician for the expanded services noted they did not have a strong relationship with their community pharmacist</li> </ul>  |  |
| areness and<br>vices <b>using three case-</b>  |  |  | 5. I would utilize this service provided<br>in a pharmacy instead of my primary<br>care practice even if I had to pay for it  | Disagree   | <ul> <li>Lack of insurance coverage was a common<br/>hindrance to service uptake across all scenarios</li> </ul>   | <ul> <li>STRONGLY ALIGNED</li> <li>Participants were resistant to use the expanded service if<br/>they had to pay for it</li> </ul>  |  |
| ocacy for the value of   | Scenario 3Scenario DetailsYou are a patient who has diabetes and is otherwise healthy.<br>You have been visiting your primary care doctor once every 3<br>months to complete lab work to check your blood sugar (i.e.,<br>A1C). During your dector visits, your dector reviews which |  | Table 3: Strategies to Shape Consumer Value for Expanded Community Pharmacist Services         Gap in Consumer Perceptions         Approach and Strategies         Collaborate with adult education organizations and state colleges/universities to: |  |  |  |  |
|  | Pharmacist diabetes<br>management  | A1C). During your doctor visits, your doctor reviews which<br>diabetes medications you are taking. Sometimes your<br>medications are adjusted, and sometimes you discuss your diet<br>and exercise. Your community pharmacist has a written<br>agreement with your primary care doctor that allows the<br>pharmacist to test your A1C at the pharmacy every 3 months. In<br>addition, the pharmacist meets with you at the pharmacy for<br>15-30 minute appointments to review and adjust your<br>medications to keep your blood sugar under control. The<br>pharmacist also talks to you about your diet and exercise. The<br>pharmacist has access to your electronic medical record and<br>labs and sends a note to your doctor after each visit. You visit<br>your community pharmacist routinely every 3 months for<br>diabetes management in between your scheduled primary care<br>doctor appointments. | Pharmacist education, training, and qualifications  | <ol> <li>Develop educational material to educate consumers about the curriculum, experiential training, and postgraduate programs that<br/>pharmacists have completed.</li> <li>Invite pharmacists to speak or present on relevant topics at local events.</li> </ol>  |  |  |  |
| older, (3) presence of 1<br>medications daily.<br>nd write in English, (2)<br>ant's ability to carry out |  |  | Community pharmacist and primary<br>care provider interactions and<br>collaboration   | <ul> <li>Work with local primary care providers/organizations to increase patient understanding of pharmacist and physician collaboration:</li> <li>Review working relationships between pharmacists and physicians with examples of collaborative models that delineate specific roles and responsibilities of the pharmacist and provider.</li> <li>Describe the structure and intent of collaborative practice agreements between community pharmacists and community-based providers for comprehensive medication management and medication monitoring services.</li> <li>Discuss the importance of sharing electronic health record access to community pharmacists completing comprehensive medication reviews to increase pharmacists' abilities to develop targeted, actionable clinical recommendations for improving patient care.</li> <li>Engage the local public community to increase awareness about available expanded pharmacist services within communities:</li> <li>Advertise the existence of the expanded services to consumers at the level of 1) the community pharmacy (e.g., prescription bag tags, posters, handouts, "meet your pharmacist" biography), or 2) other community centers (e.g., libraries, town halls, etc.).</li> <li>Educate community-based providers about available expanded pharmacist services to champion patient referral to pharmacists that offer expanded services.</li> <li>Collaborate with state-level pharmacy and consumer organizations to:</li> <li>Highlight/disseminate patient success stories involving expanded pharmacist services (e.g., newsletters, video clips, social media, etc.).</li> <li>Promote how pharmacist-provided expanded services can complement (not replace) services provided by primary care providers by focusing on the pharmacist's unique set of skills and training.</li> </ul> |  |  |  |
| portation to and from  |  |  | <i>Current existence of expanded community pharmacist services</i>  |  |  |  |  |
| ere recruited per FG.<br>Icy organization (CAO)  |  |  | Patient-level value and benefits  |  |  |  |  |
| <i>parts. The types of</i><br>macists, (b) the role of<br>of non-dispensing                              |  |  | Role of consumer advocacy<br>organizations  | <ul> <li>Partner with state and national healthcare and consumer advocacy organizations to:</li> <li>1. Disseminate educational commentaries in electronic/printed press about the education, training, and certification of pharmacists.</li> <li>2. Educate consumers on the availability of expanded pharmacist services within their community (e.g., organizational flyers, news blogs, email listservs, pharmacist presentations at senior centers and organizational meetings, social media, etc.).</li> <li>3. Serve on committees and participate in organization events/community health fairs.</li> <li>4. Speak at caregiver support group meetings/events (e.g., hospitals, community outreach groups, faith-based organizations, etc.).</li> <li>5. Engage consumer advocacy support for health policy changes needed to expand community pharmacist services.</li> </ul>  |  |  |  |
| s (i.e., pharmacist  | RESUITS  |  |   |  | CONCLU   | SIONS  |  |



## **KESULIS**

- Participant Demographics: (average): age=67 years; education level=B.S.; use of chain pharmacy=78%; participation in 1 or more CAOs=78%.
- FG Discussion Key Findings (all scenarios):
- **Positive Reactions:** convenience; timeliness; accessibility. 2. Negative Reactions: uncertainty about pharmacist training/qualifications; privacy;
- pharmacists' capacity to take on new roles; potential increased patient costs. **3.** Facilitators: team approach to care; pharmacist-patient trust.
- **4.** Barriers: possible lack of insurance payment; consumer preference for physician services. **Role of COA:** participants provided minimal insight into how COA could help increase

- consumer awareness of expanded community pharmacist services. • Comparison of Focus Group and Questionnaire Findings: see Table 2.

## Table 2: Comparison of Post-Scenario Questionnaire & Focus Group Discussion Themes (All Scenarios)

- Several gaps in consumer perceptions of expanded community pharmacist services were identified, including: (1) pharmacist education/training/qualifications; (2) community pharmacist/primary care provider interactions/collaborations; (3) current existence/prevalence of services; and (4) patient-level value/benefits.
- Strategies were developed to shape consumer misperceptions (Table 3).

### FUNDING:



# CONCLUSIONS

- This study can inform consumers, advocates, community pharmacists, primary care
- providers, and community-based organizations on methods to shape consumer
- perceptions on the added value of community pharmacist expanded services.

• This project was funded by the Community Pharmacy Foundation (grant# 71365).