

# **Pharmacy Extenders: How Students Can Expand Your Services**

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April 13, 2019

# Speakers

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# Disclosures

Meghan Bodenbergh, Patti Darbishire, April Hegg, and Sara Trovinger have no actual or potential conflicts of interest associated with this presentation.

# Objectives

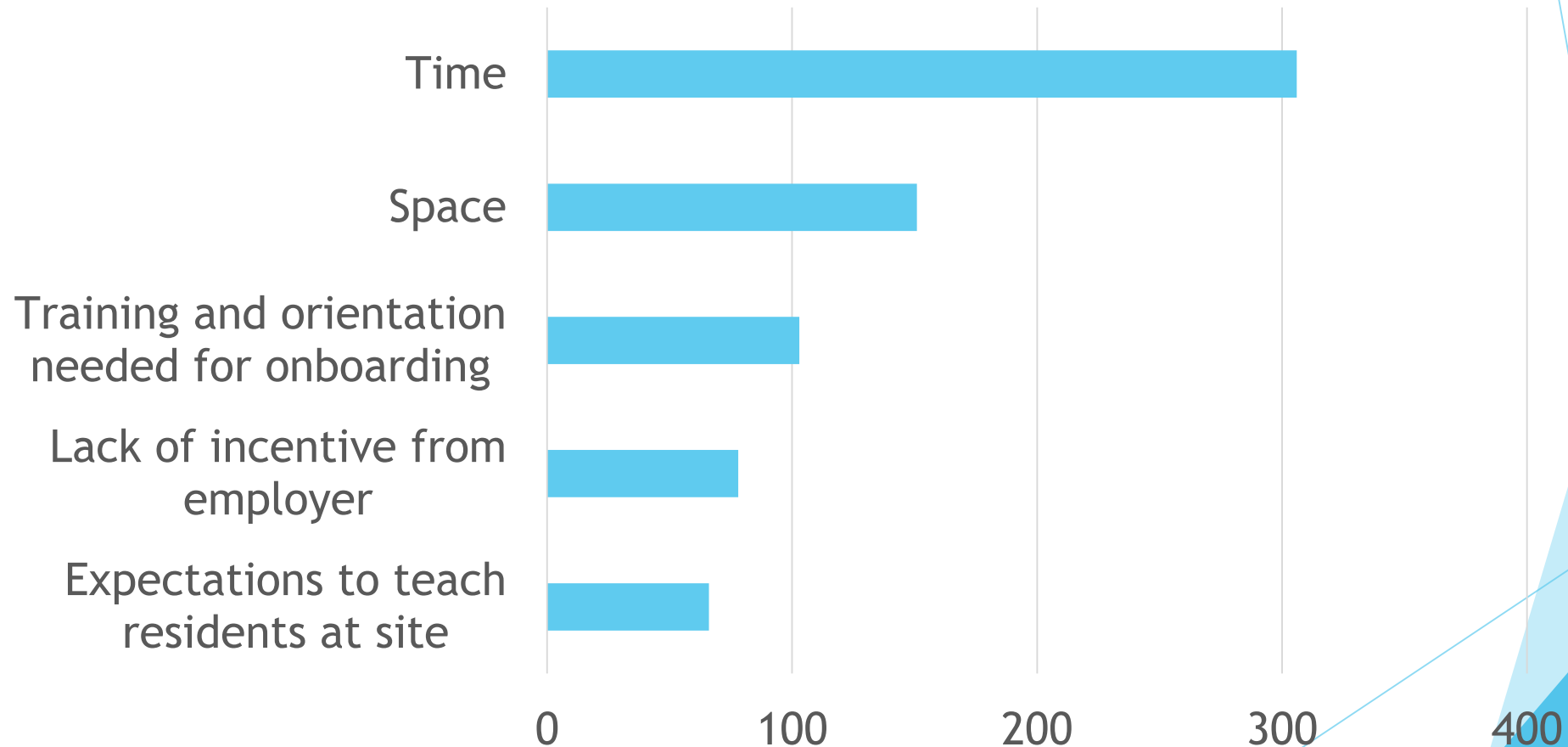
- ▶ List the benefits, challenges, and incentives to precepting pharmacy students.
- ▶ Discuss real-life examples of how students have extended patient care and services in a variety of settings.
- ▶ Describe strategies to incorporate student learners into your current practice.

# Small Group Discussion Questions

- ▶ At your table:
  - ▶ Discuss 1 benefit to precepting each of the following: introductory and advanced pharmacy practice students
  - ▶ Discuss 1 barriers to precepting each of the following: introductory and advanced pharmacy practice students

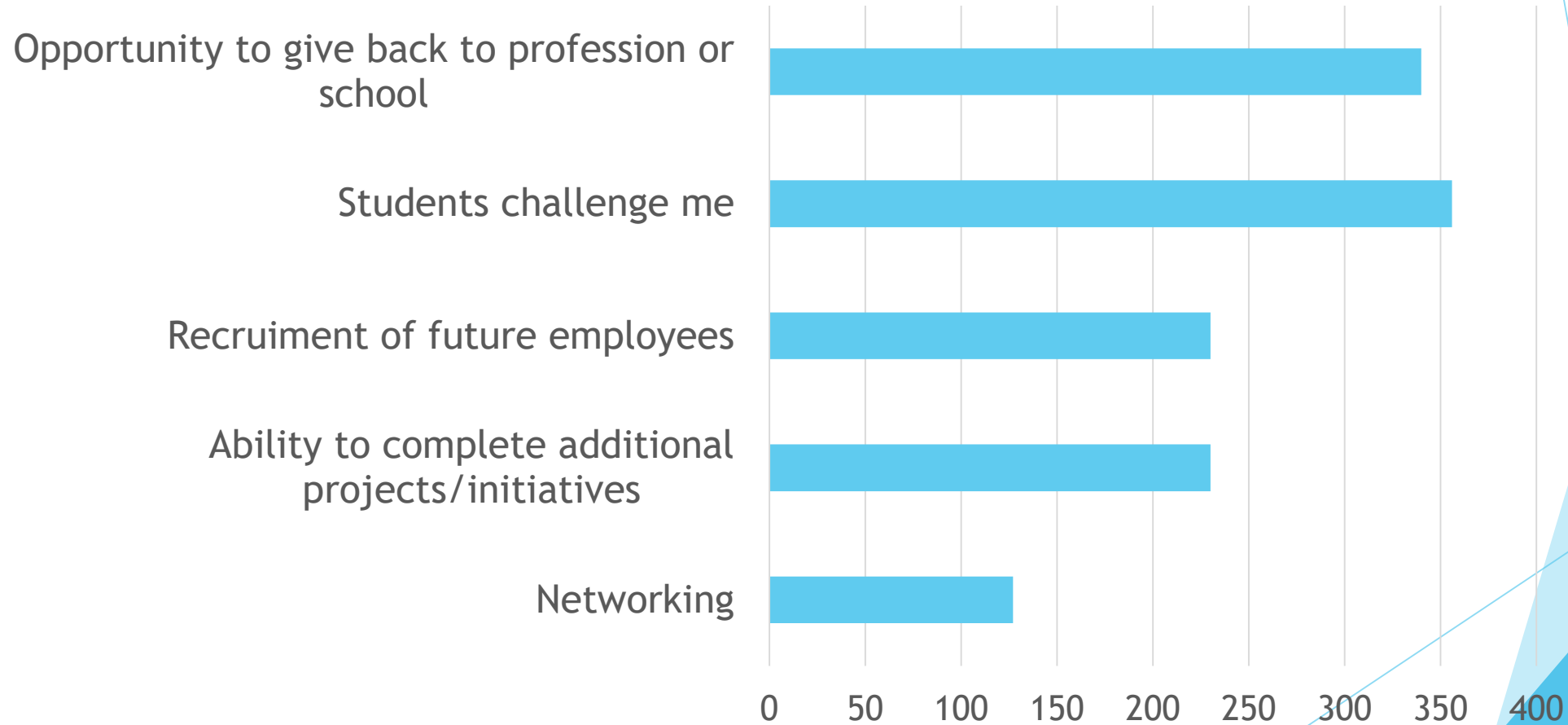
# Butler Survey: Top 5 Barriers to Precepting

■ Number of preceptors responding (n = 377)



# Butler Survey: Top 5 Benefits to Precepting

Number of preceptors responding (n = 377)

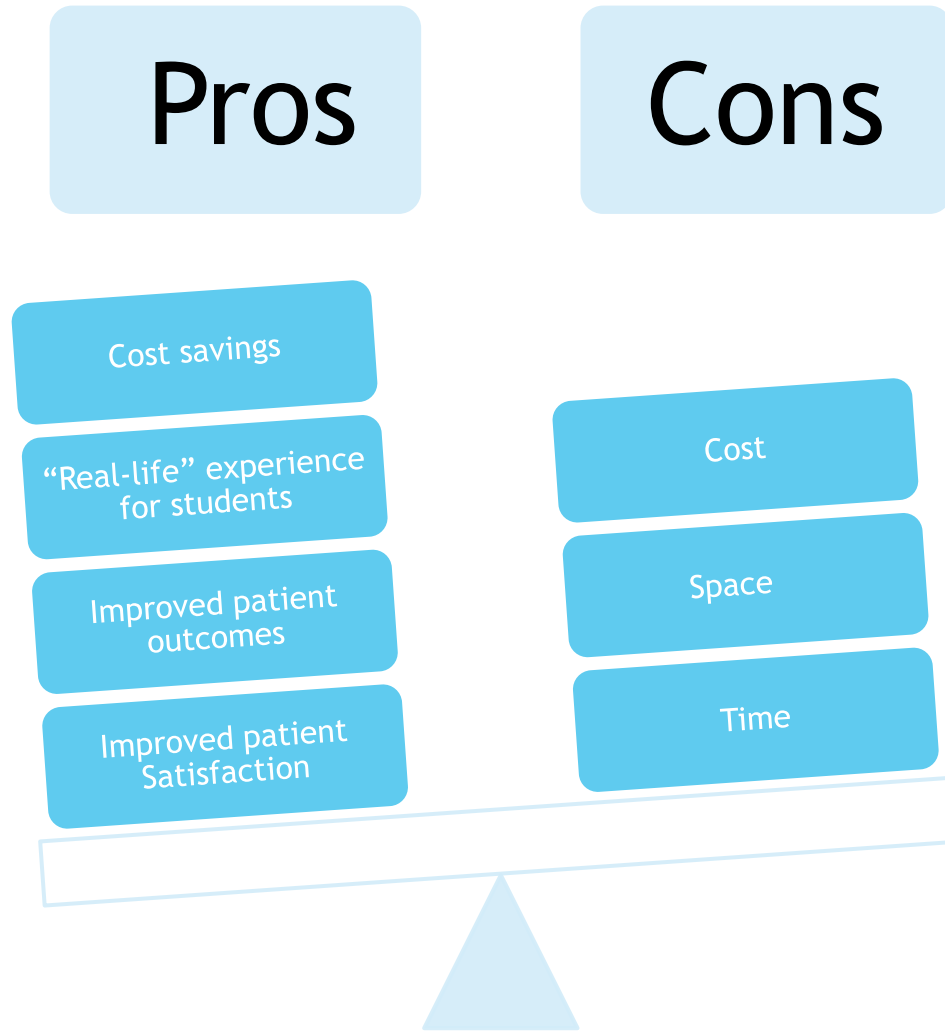


# Pharmacist Extenders

- ▶ Definition:
  - ▶ Individual who completes activities under the direct or indirect supervision of a pharmacist and allows the pharmacist to enhance or expand their scope of practice or responsibilities
- ▶ Who is included:
  - ▶ Technicians
  - ▶ Licensed Interns
  - ▶ Licensed Pharmacy Student Interns
    - ▶ Introductory Pharmacy Practice Experience (IPPE)
    - ▶ Advanced Pharmacy Practice Experience (APPE)
  - ▶ Residents



# Factors that Can Tip the Scale



# Ideal Qualities of Student Activities

- ▶ Area where pharmacist oversight available
- ▶ Provides value-added service to patient
- ▶ Supportive rather than completely dependent on students to perform essential daily tasks
- ▶ Gradually increases student independence

# Community Pharmacy Activities Students Can Perform

- ▶ Goodwill/Advocacy
- ▶ Rx Intake
- ▶ Rx Processing
- ▶ Insurance/Claims Processing
- ▶ Medication Counseling
- ▶ Safety and Cleanliness Vigilance
- ▶ Provider Communication
- ▶ Clinical Monitoring
- ▶ Medication Adherence
- ▶ Self-Care
- ▶ Immunizations
- ▶ Transitions of Care
- ▶ Inventory Control and Maintenance
- ▶ Safety Vigilance

# Ambulatory Care Activities Students Can Perform

- ▶ Medication Therapy Management Services
- ▶ Direct Patient/Caregiver Education
- ▶ Group Clinics
- ▶ Newsletters, Email Reminders
- ▶ Provider and Staff Presentations

# Hospital/Institutional Activities Students Can Perform

- ▶ Medication Reconciliation
- ▶ Quality Improvement
- ▶ Discharge Counseling
- ▶ P & T Committee Projects
- ▶ Drug/Medication Use Evaluation

# Challenges with Integration of Students in Institutional Setting

- ▶ Disruption of workflow
- ▶ Available facilities
- ▶ Time allocation
- ▶ System restrictions
- ▶ Management support
- ▶ Creativity
- ▶ Delegation limitations
- ▶ Staffing dynamics



# How Can Preceptors Integrate Students?

- ▶ IPPE
- ▶ APPE
- ▶ Operational vs Clinical Rotations
- ▶ Benefits to the site and the preceptor



# St. Vincent Williamsport Hospital



- ▶ Over 150 students in 22 years
- ▶ Purdue, Butler and Manchester
- ▶ Year round opportunities
- ▶ First hospital exposure for many
- ▶ Small rural setting within a large system
- ▶ Career opportunities



# Non-Traditional Pharmacy Settings

- ▶ Answer drug information questions
- ▶ Help with scheduling/meeting planning
- ▶ Writing newsletters or updates/information blasts
- ▶ Track metrics
- ▶ Help with implementation of programs
- ▶ Preparation/delivery of presentations
- ▶ Personal/professional development

# Layered Learning

- ▶ Higher level students can teach lower level students
  - ▶ Residents precepting APPE or IPPE students
  - ▶ APPE students facilitate learning for IPPE students
  - ▶ More experienced APPE students orient and teach new APPE students
- ▶ Can be used in all settings
- ▶ Utilizes the learn by teaching pedagogy

# Layered Learning - Example 1

- ▶ APPE student who has been at site for at least 1 month orients new APPE and IPPE students including teaching them to use computer systems
  - ▶ Benefits APPE student: they will have to determine how to teach the information (first step toward being a preceptor)
  - ▶ Benefits student learners: they may be more apt to ask a peer questions
  - ▶ Benefits preceptor: you don't have to spend the time to teach this information

## Layered Learning - Example 2

- ▶ Request APPE students to have two blocks back to back with you and stagger start
- ▶ Returning student teaches new student what they know and how to carry out services at the site
  - ▶ Benefit to preceptor: Consistent flow of trained students to complete set tasks
    - ▶ IV to PO conversions
    - ▶ Warfarin teachings
    - ▶ Medication reconciliation
    - ▶ Patient profile review for basic items: CrCl adjustment, DVT prophylaxis, stress ulcer prophylaxis

DVT= deep vein thrombosis; CrCl= creatinine clearance

# Layered Learning - Example 2 Continued

Month	Student	Student
May	Red	Light Blue
June		Purple
July	Green	Yellow
August		Yellow
September	Dark Blue	Light Blue
October		Light Blue

# Layered Learning - Example 3

- ▶ APPE student can "precept" IPPE student
  - ▶ APPE student determines IPPE student schedule
  - ▶ APPE student prepares topic discussions and other projects/assignments for IPPE student
  - ▶ APPE student orients IPPE student and takes care of day to day IPPE student needs
- ▶ Does require strong oversight of APPE student

# What We Know About Students

- ▶ They like to learn and want to be busy while on rotations
- ▶ They can help you better prepare for future students
  - ▶ Develop or refine syllabus
  - ▶ Create online modules for training
- ▶ They can help you stay up-to-date
  - ▶ Law
  - ▶ Clinical knowledge

# Group Work

- ▶ List specific ways you could incorporate students into your practice on the poster paper provided
- ▶ Questions to consider
  - ▶ What aspects of your job take up the most time? Could student learners help you with any of these aspects? Why or why not?
  - ▶ What projects do you have on the “back burner”? Could a student help you with the project (or at least a portion)?
  - ▶ Can a student help support you in your personal/professional development?



# Assessment Question 1

All of the following are advantages of having students serve as pharmacy extenders EXCEPT:

- (a) Increased patient satisfaction
- (b) Time constraints
- (c) Expand scope of practice
- (d) Improve efficiency
- (e) Impact future of the profession

## Assessment Question 2

Which of the following are activities that could be incorporated for students?

- (a) Medication Use Evaluations
- (b) Patient adherence calls
- (c) Medication Therapy Management
- (d) Longitudinal projects
- (e) All of the above