Rotation Revamp: Advancing Pharmacy Practice Experiences

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Session Presenters

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Objectives

Pharmacists:

1. Describe student pharmacist involvement in Practice Advancement Initiative (PAI) and how this can be applied to IPPE/APPE rotations.

2. Illustrate activities students can engage in on rotation that would be beneficial to student pharmacists, preceptors, and experiential sites.

3. Provide an outline for goals and objectives that allow for meaningful experiential education experiences that advance PAI.

4. Explain processes for implementation of IPPE/APPE rotation objectives that align with PAI that are beneficial to student pharmacists, preceptors, and experiential sites.
Objectives

Technicians:

1. Describe the role of the pharmacy technician in experiential education.
2. Explain the benefits in actively engaging pharmacy technicians in experiential education.
Background

• U.S. Health Care ranks last among wealthy countries

• A recent international study compared 11 nations on the health care quality, access, efficiency, and equity, as well as indicators of healthy lives such as infant mortality
## Overall Health Care Ranking

<table>
<thead>
<tr>
<th>Country</th>
<th>Ranking</th>
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<tbody>
<tr>
<td>U.K.</td>
<td>High</td>
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<tr>
<td>Switzerland</td>
<td>High</td>
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<tr>
<td>Sweden</td>
<td>High</td>
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<tr>
<td>Australia</td>
<td>High</td>
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<tr>
<td>Germany</td>
<td>High</td>
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<td>The Netherlands</td>
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<td>New Zealand</td>
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<td>Norway</td>
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<td>France</td>
<td>High</td>
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<tr>
<td>Canada</td>
<td>Medium</td>
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<td>U.S.</td>
<td>Medium</td>
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Imperative for Change

• Different models of care delivery and reimbursement continue to emerge (e.g., ACOs, PCMH, bundled payment arrangements)

• Movement away from volume toward value-based payment (e.g., reward performance)
Imperative for Change

• Aging population and declining Medicare beneficiary ratio amplifies unsustainable trajectory of healthcare spending

• Forty percent (40%) of older Americans take at least five prescription medications, and the number is growing

Imperative for Change

• Self-care, cost-effective innovations, and infrastructure to support “aging in place” (e.g., CMS Independence at Home demonstration project)
ASHP Pharmacy Student Forum (PSF)

• A Forum for the Next Generation of Health-System Pharmacists

• PSF serves to help prepare ASHP student members for successful careers in hospital and health-system practice and equip them with the skills to lead our profession into the future

• PAI focuses on transforming how pharmacists care for and provide clinical services to patients across the continuum of care
ASHP Practice Advancement Initiative (PAI)

- Connectedness

  - ASHP Pharmacy Student Forum - Student pharmacists
  
  - ASHP PAI - All pharmacists, student pharmacists, pharmacy technicians, and other key stakeholders
ASHP PAI Progress

http://www.ashpmedia.org/pai/- Accessed 4/1/17
ASHP PAI Progress

Leadership Roles

- **82%**
  - IT strategic plan developed to improve safety and quality

- **79%**
  - Leadership has direct communications to hospital administration

- **72%**
  - Organizational program for improvement of medication-use safety

http://www.ashpmedia.org/pai/- Accessed 4/1/17
How do you view school-required experiential hours?

How do you think student pharmacists view rotations?

How do other staff members, including pharmacists and technicians, view student pharmacists on rotations?
## ASHP Publications

<table>
<thead>
<tr>
<th>2013 House of Delegates</th>
<th>2017 Pharmacy Forecast</th>
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<tbody>
<tr>
<td>• Pharmacy practice training models</td>
<td>• Expansion of Pharm.D. programs</td>
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<tr>
<td>• Use students in teams</td>
<td>• Unutilized capacity vs. sound student experiences</td>
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<tr>
<td>• Recognize student pharmacists in providing direct patient care when overseen by a</td>
<td>• Incorporate students as productive members of the team</td>
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<tr>
<td>supervising pharmacist</td>
<td></td>
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ASHP Foundation Pharmacy Forecast. *Am J Health-Syst Pharm.* 2017; 74 (2) 27-53
Rotation Activities

- Turn weaknesses into opportunities
- Meaningful tasks
- Top of intern license

Practice ready
Traditional tasks

• Active observation
• Drug information questions
• Journal clubs

• Medication reconciliations
• Discharge counseling
• Literature reviews
Administrative Tasks

• Develop protocols
• Needs assessments
• Quality assurance projects
• Drug utilization reviews
Additional tasks

• Critical thinking
• Emotional intelligence
• Networking
Incorporating pharmacy technicians

- Wealth of knowledge
- Expanding role of technicians
- Workflow evaluation
- Soft skill development
- Education opportunities
Practice Advancement Initiative Pillars

- Care Team Integration
- Leveraging Pharmacy Technicians
- Pharmacist Credentialing & Training
- Technology
- Leadership in Medication Use

What activities do you already employ at your site that advance PAI?
First...

• Orient your student pharmacist to what PAI is
• Topic discussion on PAI
• Have them research and do a five minute presentation on PAI
Care Team Integration Activities

• Goals and Objectives
  • Recognize the importance of advocacy
  • Explain the role of the healthcare team
  • Identify new pharmacy services

• Possible Activities
  • Encourage students to participate in advocacy activities
  • Shadowing with other healthcare providers
  • SWOT Analysis

Leveraging Pharmacy Technicians

• Goals and Objectives
  • Identify how to increase technician scope of practice
  • Promote training and advancement of technicians

• Possible Activities
  • Survey technicians
  • CE for technicians

Pharmacist Credentialing and Training

• Goals and Objectives
  • Maintain professionalism
  • Summarize credentialing opportunities for pharmacists
  • Determine meaning of practicing at top of license

• Possible Activities
  • Conduct a topic discussion on advanced degrees/credentialing
  • Discuss healthcare settings that would benefit from a pharmacist

Technology

• Goals and Objectives
  • Summarize the costs and benefits of technology
  • Identify new technologies to improve practice
  • Illustrate the steps necessary for incorporating technology

• Possible Activities
  • Prepare a cost-benefit analysis on a new technology
  • Research emerging technologies
  • Present a proposal to incorporate a new technology
Leadership in Medication Use

• Goals and Objectives
  • Explain the importance of a pharmacist in medication use
  • Describe ways pharmacists can improve medication use

• Possible Activities
  • Create an informatic on pharmacists’ role in medication use
  • Shadow pharmacists in outpatient and antimicrobial stewardship settings
  • Perform literature reviews and drug information questions

Processes for Implementation

- Shared vision
- Effective leadership
- Pharmacy culture
- Readiness for change
- Communication
- Feedback

Incorporation of Practice Advancement

• Student pharmacists can...
  • advance role of pharmacist
  • positively affect patient outcomes
  • be provided strong educational environment by incorporating them into interprofessional teams
  • free up more time for pharmacists
  • benefit by interacting with student pharmacists from other pharmacy programs because they can learn more effectively and network

Layered Learner Model

• Similar to medical training model
  • Focused on direct patient care activities (e.g. medication counseling, medication histories, screening for medication-related problems, etc.)
  • Expansion of APPE student pharmacist rotations
  • Competency assessment
  • Utilizing student pharmacists...
    • decreased load of patients per pharmacy staff member
    • improved patient care
    • increased subjective positive feedback from multiple disciplines

Summary

• Student pharmacists are key constituents and must be actively engaged in the ASHP Practice Advancement Initiative (PAI)

• All pharmacy stakeholders should be engaged in their health-system’s initiatives to advance the practice of pharmacy by having all pharmacy personnel working at the top of their licensure/education

• Utilizing PAI to advance the IPPE/APPE rotation experiences can provide student pharmacists, pharmacy residents, pharmacy technicians, pharmacists, experiential sites, and patients with positive experiences and outcomes