A Focus on Community Pharmacy APPE Development

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Albany College of Pharmacy and Health Sciences
- Private, founded 1881
- Located in the Capital of New York State
  - No CLIA laboratory in NYS pharmacies
  - Immunizations January 2009 (no interns/students)
  - Counseling required all new Rx/changes in therapy
- Experiential Education
  - Director 1 FTE
  - Community Pharmacy Coordinator 1 FTE
  - Institutional Coordinator 1 FTE
  - Administrative support 2 FTE

ACPHS APPE
- Current: 7 rotations
  - Community 5 weeks
  - Institutional/Inpatient 10 weeks
  - Ambulatory Care 5 weeks
  - Patient care elective 5 weeks
    (ambulatory, community, inpatient)
  - 2 Electives 10 weeks
  - Public health 1 week
- Coming soon: 6 Rotations of 6 weeks duration
Challenges & Opportunities

- Practice opportunities limited (MTM, CLIA, Imms)
- Large enrollment increasing
- Wide geography and increasing number of pharmacies
- Strategies for expansion
  - Syllabus & capabilities checklists
  - Preceptor development program
  - Quality assurance

Community APPE Goal and Syllabus

- Goal: to provide patient centered care in a sustainable, standardized fashion based upon CAPE outcomes.
- Starting point 2000:
  - Identify key CAPE outcomes & match activity
  - Track 18 faculty rotation student activities to identify reasonable workload
  - Preceptor feedback (keep it simple)
  - Create capabilities checklist & assessment tool

Community APPE Capabilities Checklist

<table>
<thead>
<tr>
<th>Activity</th>
<th>Minimum Quantity</th>
<th>Documentation Form Available in Appendix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient History</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Interactive Consultation</td>
<td>2</td>
<td>II</td>
</tr>
<tr>
<td>Case Presentations</td>
<td>2</td>
<td>III</td>
</tr>
<tr>
<td>MRP Interventions</td>
<td>15</td>
<td>V</td>
</tr>
<tr>
<td>OTC consults</td>
<td>5</td>
<td>VI</td>
</tr>
<tr>
<td>Drug Info Requests</td>
<td>5</td>
<td>VII</td>
</tr>
<tr>
<td>Prescriber Correspondence</td>
<td>1</td>
<td>Letter or Fax</td>
</tr>
<tr>
<td>Device training (MDI, BG, BP)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MTM session *</td>
<td>1</td>
<td>See BlackBoard</td>
</tr>
<tr>
<td>Wellness project *</td>
<td>1</td>
<td>See BlackBoard</td>
</tr>
</tbody>
</table>


Community APPE

- Additional activities
  - Medication presentations to staff
  - Pharmacist or Patient Newsletter
  - Health screenings
  - Antibiotic Call-back program
  - Community presentations
- Use of Blackboard posting of reading materials, ideas etc.

APPE Preceptor Development

12 hour version 1

Session 1
- Overview of providing an APPE (2 hours)
- Community APPE goals/objectives (1 hour)
- Drug Information Research Skills (1.5 hours)
- Update on Common Disease States and Treatments (1.5 hours)
- Summary and Review of Assignments for Session 2

Session 2:
- Remarks/Discussion of Homework (1 hours)
- Interactive Case Presentations (1.5 hours)
- Device Skills Workshop (1.5 hours)

Preceptor Development

APPE Preceptor Development version 2 – Home Study
- The Community Pharmacist Preceptor Education Program
  - http://nacds.rxschool.com
  - Worksheets 1, 2, 3
- AJPE supplement
- Homework
  - Prepare case presentation
  - Document 2 MRP
  - Document 2 drug info questions

APPE Preceptor Development version 2 – Live session
- Overview of Community Pharmacy APPE 2 hr
  - ACPE, CAPE, APPE vs IPPE
  - Community pharmacy APPE expectation & assessment
  - Mentoring/role model
- Drug Information Skills 1.5 hr
- Case Presentations: Interactive 1 hr
- Device Skills Workshop: Interactive 1.5 hr
Quality Assurance

- Necessary with increasing enrollment, 90% adjunct preceptors and larger geographic spread

Objective: To implement a QA program that assesses both quantitative & qualitative aspects of standardized CAPE outcome based capabilities checklists through:

1. Random site visits (10%) with preceptor & student survey to document capabilities developed & site value
2. Student submission of specific completed capabilities checklist.
3. Evaluation of 20% (random) student written documentation of capabilities checklist work.


QA - Preceptor & Student Survey

<table>
<thead>
<tr>
<th>Category</th>
<th>N</th>
<th>Mean (SD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student achievement = 1- introduced through observation, 2- practiced at novice level, 3- proficiency at Pharm. D. level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site Value = 1- educational exercise only, 2- moderate usefulness, 3- very valuable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student involvement = 1- student read or heard about, 2- student observed, 3- student performed</td>
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</tbody>
</table>

Quantitative QA

Capabilities Checklist Community Pharmacy APPE

Number = 84

<table>
<thead>
<tr>
<th>Rotation Activity</th>
<th>Supposed Minimum # Completed</th>
<th>Mean (±SD) # Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Tilled Substances Handling</td>
<td>10</td>
<td>11.5 ± 2.5</td>
</tr>
<tr>
<td>Dosing Calculations of Patient Orders &amp; Compounding</td>
<td>2</td>
<td>3.19 ± 2.04</td>
</tr>
<tr>
<td>Physician Education of Pulled History &amp; Counseling</td>
<td>2</td>
<td>3.79 ± 2.08 (90.64%)</td>
</tr>
<tr>
<td>Class Presentation Written and Verbal</td>
<td>2</td>
<td>1.68 ± 1.61</td>
</tr>
<tr>
<td>Identity, Ultrasound &amp; Quamet USE</td>
<td>10</td>
<td>16.6 ± 6.68</td>
</tr>
<tr>
<td>OTC/Counseling</td>
<td>8</td>
<td>9.15 ± 3.85</td>
</tr>
<tr>
<td>Research &amp; Document Drug Information &amp; Request</td>
<td>8</td>
<td>8.85 ± 3.96</td>
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<table>
<thead>
<tr>
<th>Future of ACPHS Community APPE</th>
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</thead>
<tbody>
<tr>
<td>Increasing number Doctor of Pharmacy trained preceptors and increasing practice opportunities (Imms, MTM etc)</td>
</tr>
<tr>
<td>Preceptor Development – what is needed?</td>
</tr>
<tr>
<td>- Reduced emphasis on pharmacy practice skills (patient care, device training, drug information)?</td>
</tr>
<tr>
<td>- Continued emphasis on mentoring/management &amp; assessment?</td>
</tr>
<tr>
<td>Capabilities checklist for CPAPPE II? Faculty augmentation?</td>
</tr>
<tr>
<td>Automate some QA with portfolio system</td>
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