Pillars of PharmD NAPLEX Strategy

PASS NAPLEX
Goal: 90-95%

Teaching & Learning
Competencies based on NAPLEX
PharmCAS National Application Service, FAMU Seed Corn Pre-Matriculation Math Camp
PharmD Updates

Admissions Snapshot of the Fall 2020 Cohort
• GPA

Highlight of Student Success Best Practices
• Diagnostic Exam (PCOA)
• Post-Course Remediation

Faculty Development
• Key activities for the 2020-2021 academic year
Key Performance Indicators

**KPI Snapshot - Pharmacy**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Rationale for Use</th>
<th>Current Data</th>
<th>Goal</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Admissions</strong></td>
<td>The Pharmacy College Admission Test (PCAT) is a standardized test that helps identify qualified applicants.</td>
<td>The FAMU PharmD program will begin requiring the PCAT for the Fall 2021 entering cohort as part of the admissions process.</td>
<td>TBD (Goals will be established based on analysis of trend data)</td>
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<tr>
<td>Admissions Exam</td>
<td></td>
<td>Fall 2020: 3.16</td>
<td>Fall 2021: &gt;3.25</td>
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<tr>
<td></td>
<td></td>
<td>Fall 2019: 3.14</td>
<td>Fall 2022: &gt;3.30</td>
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<td></td>
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<td>Fall 2018: 3.17</td>
<td></td>
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<tr>
<td></td>
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<td>Fall 2017: 3.17</td>
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<tr>
<td><strong>Retention</strong></td>
<td>Monitoring success rates in the following critical courses helps to assess student mastery of foundational knowledge and readiness for the NAPLEX.</td>
<td>PHA 3102 Course Pass Rates 2020: TBD 2019: 96.6% 2018: 97.1%</td>
<td>TBD</td>
<td></td>
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<td></td>
<td>PHA 3106 Course Failure Rates 2020: TBD 2019: TBD 2018: TBD</td>
<td>TBD</td>
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<tr>
<td><strong>Success Rates in Critical Courses</strong></td>
<td>Monitoring success rates in the following critical courses helps to assess student mastery of foundational knowledge and readiness for the NAPLEX.</td>
<td>ACPE annually monitors progression trends for accredited programs as a means for identifying issues related to the quality of the program. Programs must remain below established thresholds.</td>
<td>Academic Dismissals Spring 2020: 8.2% Spring 2019: TBD Spring 2018: TBD</td>
<td></td>
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<tr>
<td>Diagnostics</td>
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<tr>
<td>Comprehensive Exam</td>
<td>The program administers the Comprehensive Exam to learners during their final semester (P4). A minimum score of 75% is required to pass; they are given five opportunities.</td>
<td>Percent of Cohort Passing on First Two Attempts Spring 2020: 26% Spring 2019: 43%</td>
<td>TBD</td>
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</tbody>
</table>

**Key Updates:**

**Admissions:**
- UG Science & Math GPA for Fall 2020 cohort showed slight increase over previous year
- 16.4% (12/73) of Fall 2020 cohort have at least an associate degree (up from 11% in previous year)
  - Academic maturity
  - Will influence learners with just two years of college

**Licensure Exam:**
- 2020 NAPLEX scores expected in February
High-stakes assessments (PCOA) and post-course remediation are two key strategies used by the College to assist learners in preparing for the pharmacy licensure exam.

**Pharmacy Curriculum Outcomes Assessment (PCOA)**
- Created by the National Association of Boards of Pharmacy (NABP)
- Standardized exam administered in the third year (P3) as a cumulative assessment of the didactic curriculum
- 200-item exam covering content in four areas
- Serves as a predictor of performance on the licensure exam
- Provides a comparison with national trends

**Post-Course Remediation**
- Permits one final opportunity for eligible learners to pass a course
**PCOA Results**

**Institutional PCOA Scores**

- **Nationwide**
  - 2015: 357
  - 2016: 358
  - 2017: 353
  - 2018: 352
  - 2019: 348
  - 2020: 344

- **FAMU**
  - 2015: 306
  - 2016: 292
  - 2017: 295
  - 2018: 311
  - 2019: 308
  - 2020: 321

**PCOA Percentile**

- **FAMU**
  - 2015: 23
  - 2016: 17
  - 2017: 12
  - 2018: 20
  - 2019: 19
  - 2020: 31

- **Year**

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- **Historical trend:** Our average learner score has been below the nationwide average, but above the goal of being within two standard deviations of the mean as suggested by NABP in their "PCOA for Administrators" guidance.

- **Importance:** Performance on the exam is a strong predictor of licensure success while additionally assessing the quality of curriculum content and delivery in the targeted concept areas.

- **Improvement:** The left graph shows a relatively upward trend in the FAMU learners' raw scores while the right shows the improvement in our nationwide rank among all accredited pharmacy programs.

- **Major changes:** The growth in 2020 can be attributed to several factors including: the revised PharmD 2017 curriculum, adding internal stakes to the PCOA by including it as an exam grade in the Pre-APPE readiness course, and moving the administration of the exam up to January instead of continuing to offer it during finals week of the P3 Spring semester.
Remediation Case Study (Pre-APPE)

Pre-APPE Performance Skills and Lab Course
-Taken during P3, prior to entering Advanced Pharmacy Practice Experience (APPE) in final year

<table>
<thead>
<tr>
<th>Spring 2020 (N=90)</th>
<th>Course Pass Rate</th>
<th>Total # of Exams</th>
<th>Total # of Exam Reviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-APPE Performance Skills &amp; Lab w/o Remediation</td>
<td>58.8%</td>
<td>4 exams excluding remediation</td>
<td>5 exam review sessions prior to remediation</td>
</tr>
<tr>
<td>Pre-APPE Performance Skills &amp; Lab w/ Remediation</td>
<td>93.3%</td>
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</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Pass Rate</th>
<th>Total # of Exams</th>
<th>Total # of Exam Reviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>53</td>
<td>84</td>
<td>5</td>
</tr>
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</table>
Remediation Case Study (Patient Care II)

Fall 2019 (N=96)

<table>
<thead>
<tr>
<th>Course Pass Rate</th>
<th>Total # of Exams</th>
<th>Total # of Exam Reviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Care II w/o Remediation</td>
<td>72.9%</td>
<td>4 exams excluding remediation</td>
</tr>
<tr>
<td>Patient Care II w/ Remediation</td>
<td>93.7%</td>
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</table>

Patient Care II Course
- Taken during P3, prior to entering Advanced Pharmacy Practice Experience (APPE) in final year
Goal: >70% of the faculty will participate annually in teaching and professional development activities each year

- Professional Development – begins upon hiring
  - Teaching Scholars summer Institute
  - American Association of Colleges of Pharmacy conventions
    - Curriculum development
    - Learning opportunities in instructional development, effectiveness
  - Webinars, workshops
    - Writing learning objectives
    - NAPLEX test item writing
    - Evaluation: pre-tenure and annual by supervisors
      - Compliance with the above
      - Student pharmacist teacher evaluations, & free text
  - Board certification in pharmacotherapy or ambulatory care—3 recent hires

- Eminent Scholar Webinars
  - Integrated curriculum
  - Effective mapping of questions in line with competencies and Bloom’s Taxonomy
Questions?