

Licensure Pass Rate Improvement Plan Update

Doctor of Pharmacy (PharmD) Program

Johnnie L. Early, II, PhD, RPh Fellow NPhA, Dean

**FAMU Board of Trustees
Academic and Student Affairs Committee Meeting
January 28, 2021**



PASS NAPLEX
Goal: 90-95%

P1-P3
Post Course Remediation
ExamSoft
Enflux

P2
PCOA administration is an
aspiration

P3
PCOA is a Pre-Advanced
Pharmacy Practice Experiential
Readiness requirement

P4
Pass NAPLEX Now for 40 at
risk learners
RxPrep

Teaching & Learning
Competencies based on NAPLEX

PharmCAS National Application Service, FAMU Seed Corn Pre-Matriculation Math Camp

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

Metric	Rationale for Use	Current Data	Goal	Trend	
Admissions					
Admissions Exam	The Pharmacy College Admission Test (PCAT) is a standardized test that helps identify qualified applicants.	The FAMU PharmD program will begin requiring the PCAT for the Fall 2021 entering cohort as part of the admissions process.	TBD (Goals will be established based on analysis of trend data)		
UG GPA (Science and Math)	The cohort science and mathematics average GPA provides an assessment of the overall quality and level of preparedness of the entering cohort.	Fall 2020: 3.16 Fall 2019: 3.14 Fall 2018: 3.17 Fall 2017: 3.17	Fall 2021: >3.25 Fall 2022: >3.30		
Retention					
Success Rates in Critical Courses	Monitoring success rates in the following critical courses helps to assess student mastery of foundational knowledge and readiness for the NAPLEX. PHA3102: 53% of failures in this course do not graduate. PHA3106: 32% of failures in this course do not reach the third year of the program.	PHA 3102 Course Pass Rates 2020: TBD 2019: 96.6% 2018: 97.1%	TBD		
		PHA 3106 Course Failure Rates 2020: TBD 2019: TBD 2018: TBD	TBD		
Program Completion Rates	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.	Academic Dismissals Spring 2020: 8.2% Spring 2019: TBD Spring 2018: TBD	Overall Attrition Spring 2020: 18.9% Spring 2019: TBD Spring 2018: TBD	Academic Dismissals Spring 2021: <6% Attrition Spring 2021: <20%	
NAPLEX Readiness and Outcomes					
Diagnostics	The program administers the Pharmacy Curriculum Outcomes Assessment (PCOA) in the P3 year to assess the effectiveness of the didactic curriculum with respect to preparing learners for the NAPLEX.	FAMU 2020: 321 2019: 308 2018: 295	National 2020: 344 2019: 348 2018: 353	Achieve the national average.	
Comprehensive Exam	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.	Percent of Cohort Passing on First Two Attempts Spring 2020: 26% Spring 2019: 43%		TBD	
NAPLEX Scores	Candidates are allowed a maximum of five attempts on the North American Pharmacist Licensure Examination (NAPLEX).	FAMU 2019: 83% 2018: 75% 2017: 74%	National 2019: 88% 2018: 89% 2017: 88%	2020: 85% 2021: 85% 2022: 85%	
Accreditation Status					
ACPE	The PharmD program is accredited by the Accreditation Council for Pharmacy Education (ACPE)	The program is fully accredited through June 2022. The next onsite evaluation is scheduled for November 2021.			

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.

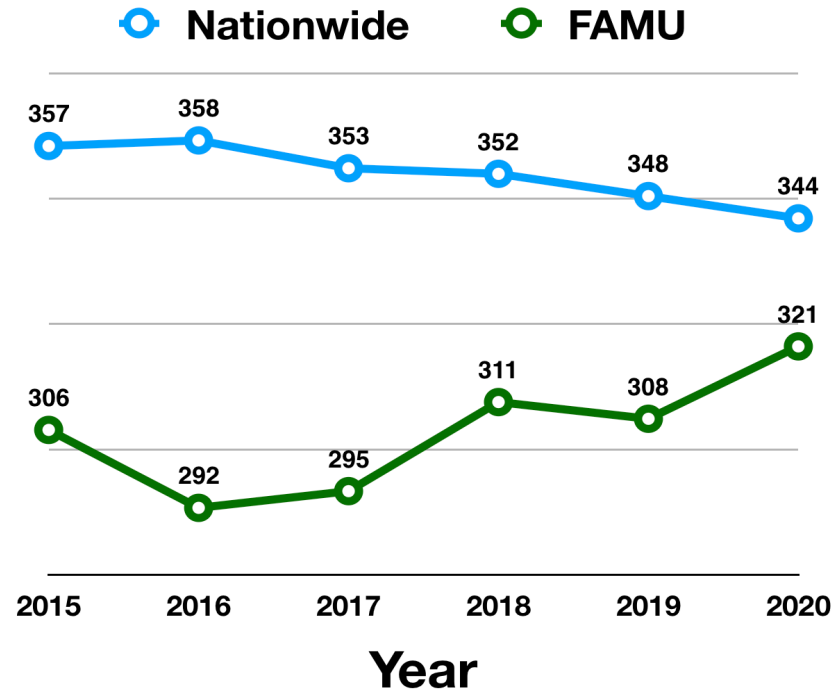
Pharmacy Curriculum Outcomes Assessment (PCOA)

- 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

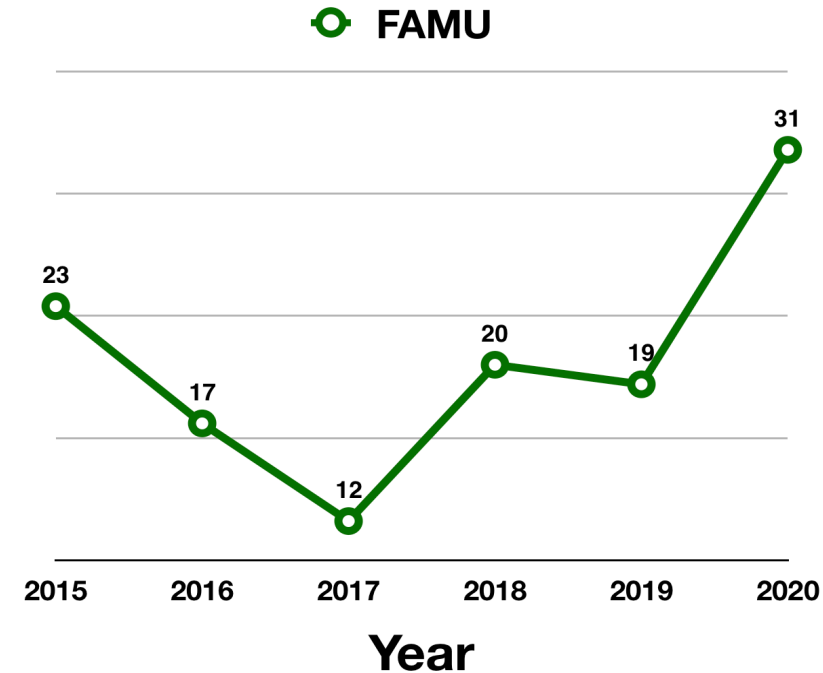
Post-Course Remediation

- Permits one final opportunity for eligible learners to pass a course

Institutional PCOA Scores

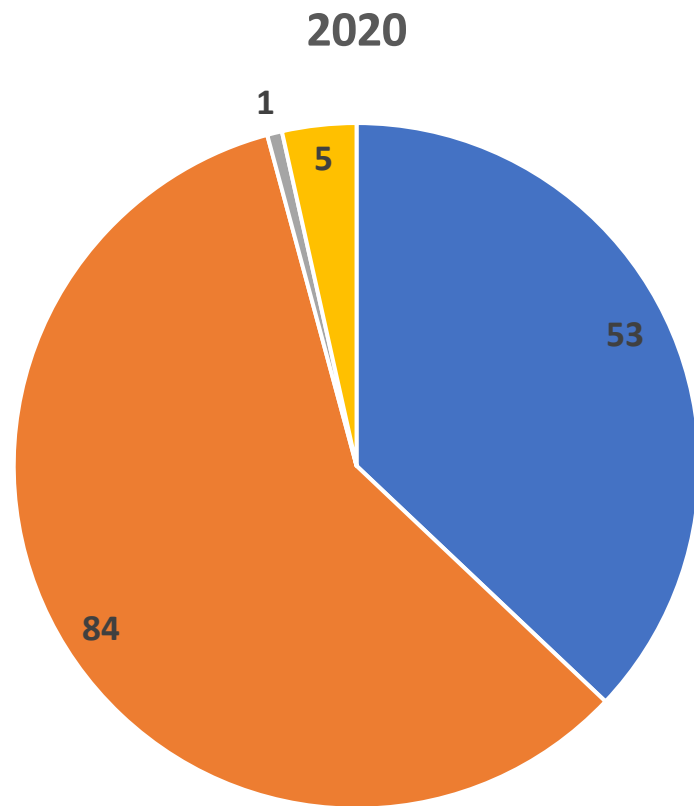


PCOA Percentile



- **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)

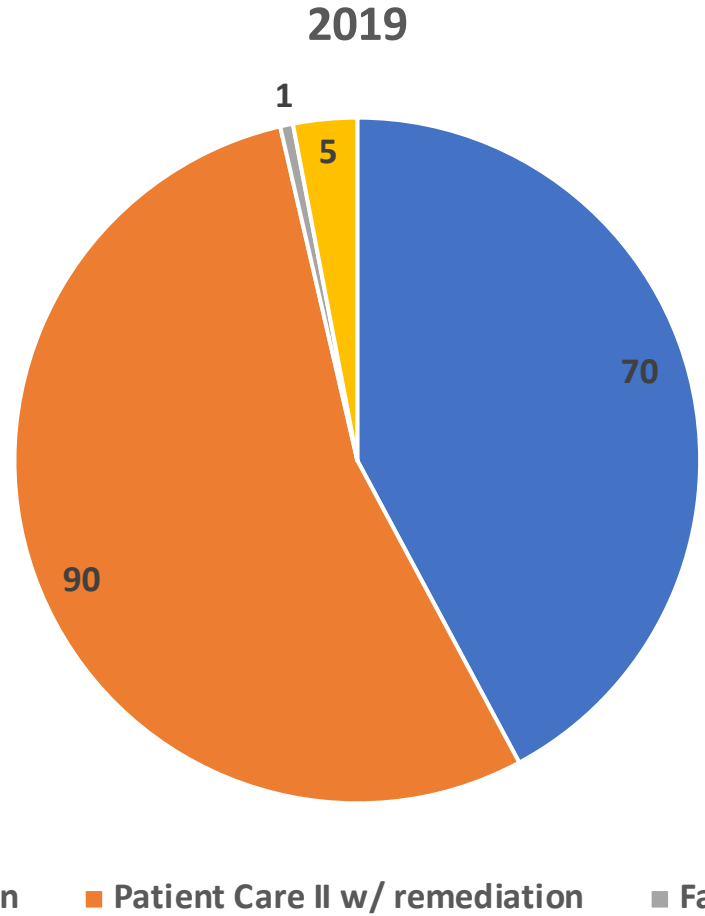


Pre-APPE Performance Skills and Lab Course

- Taken during P3, prior to entering Advanced Pharmacy Practice Experience (APPE) in final year

■ Pre-APPE w/o remediation ■ Pre-APPE w/ remediation ■ Failed Remediation ■ Withdrew

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



Patient Care II Course

- Taken during P3, prior to entering Advanced Pharmacy Practice Experience (APPE) in final year

■ Patient Care II w/o remediation ■ Patient Care II w/ remediation ■ Failed Remediation ■ Withdrew

Fall 2019 (N=96)	Course Pass Rate	Total # of Exams	Total # of Exam Reviews
Patient Care II w/o Remediation	72.9%	4 exams excluding remediation	9 exam review sessions prior to remediation
Patient Care II w/ Remediation	93.7%		

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?



FLORIDA A&M UNIVERSITY

Founded in 1887 as the State Normal College for Colored Students, Florida Agricultural and Mechanical University (FAMU) is the only historically state supported educational facility for African Americans in Florida. It has always been co-educational. In 1890, the second Morrill Act was passed. This enabled the school to become the Black Land Grant College for the State of Florida. west of its original location