UNIVERSITY OF
SOUTH CAROLINA
College of Pharmacy

Annual Assessment of Centers and Institutes

*In accordance with the University of South Carolina academic affairs policy 2.01 "Establishment and Modification of Centers and Institutes" (http://www.sc.edu/policies/ppm/acaf201.pdf), the director, chair, or other responsible party for each center or institute within the College of Pharmacy will, annually, be required to complete and submit to the Dean the below report no later than **June 30th**.*

Kennedy Pharmacy Innovation Center
Annual Report
For
Academic Year 2023-2024

I. **Current Objectives** (Provide the list of objectives the center or institute worked towards during the previous academic year.)
*Related to Strategic Plan
a. Identify KPIC's strategic advantage/value proposition (value of KPIC to College and value of College to KPIC).
b. Define the position of KPIC in relation to the UofSC College of Pharmacy, students, faculty, and other internal/external stakeholders.
c. KPIC will create and implement a plan to provide expertise, insights, and valuable input that will be incorporated into the current curriculum, course structure, and design.
d. Develop and implement KPIC Engagement Playbook.
e. Draft a proof-of-concept paper on being a business incubator focused on healthcare innovation.

*Other Objectives

f. Achieve accreditation for all three residency programs – decision expected in September/October 2023.
g. Increase student, alumni, stakeholder exposure to KPIC:
    i. Update KPIC B&E blackboard page to a general center page, add all students, and implement tracking of views.
    ii. Implement new Business Plan Competition format.
    iii. Fully implement the student/individual tracking survey.
h. Determine process for identifying and recognizing innovative preceptors.
i. Implement Leadership (Fall 2023 – Ballou) and Design Thinking (Spring 2024 – Fabel) activities that will be incorporated into the Professional Development Course in the 2023-2024 academic year.
j. Increase the offerings of sterile compounding training programs:
    i. Goal of 9 sterile compounding trainings between August 2023 and July 2024.
    ii. Pilot the feasibility/sustainability of taking our live courses "on the road" (offering them in another location – hospital pays for instructors to travel to them to train individuals)
    iii. Begin building library of virtual asynchronous CE courses/programs – goal of at least 6 (< 2-hour programs) by July 2024
    iv. Increase the number of Subject Matter Experts who can teach our programs or serve as speakers for our programs – paid via honorariums rather than hired by the University

k. Continue developing a Regulatory Affairs/Industry track and present draft of requirements to the COP curriculum committee.
l. Continue the development and implementation of the Digital Health Training Program.
m. Continue implementing the CRPHC maternal health pilot and training program grant project.
n. Continue developing and implementing the birth control (pharmacy access act) training program.
o. Conduct a research project around design thinking in pharmacy education.

II. **Progress Toward Objectives** (For each stated objective above, provide a status assessment of complete, progressing, or not started.)

Related to Strategic Plan

a. Progressing
b. Progressing
c. Progressing
d. Progressing
e. Not started – unable to get to due to other priorities

Other Objectives

f. Completed – we achieved one year of accreditation for all three residency programs. A progress report was due June 23rd and was submitted.
g. Completed
h. Not started – deferred due to ACT/CPESN interest in being involved.
i. Completed
j. Progressing / Not started – the director of sterile compounding programs position was eliminated in October 2023 and NABP stopped promoting our programs to board inspectors which decreased interest. Four programs were held and others scheduled were cancelled due to low enrollment.
k. Progressing
l. Progressing
m. Not started – deferred due to delays in contract and challenges with sites
n. Progressing
o. Completed

III. **Quantitative Benchmarks** (Please complete the below table, adding rows as necessary, for each objective noted above. Please copy table over as many times as necessary to assess each objective.)

Objective:	Related Measurement:	Goal:	Measured Result:
Pharmacy Innovation, Leadership & Ownership Dinner	40 attendees-max limit (2023)	Increase participation each year for all events	62 attendees (2024)
*Business Plan Competition Kick Off Meeting *New*	Not held		33 attendees (August 2023)
Business Plan Competition	2 team submissions (2023)		3 team submissions (2024)
Career Innovation Summit	56 attendees (Nov. 2022)		47 attendees (Oct 2023)
Business & Entrepreneurship Track	4 enrolled (2023)		9 enrolled – 3 graduates (2024)
Mental Health First Aid Training	2 classes (Fall 2022) – 40 attendees	Meet class limit – 20 attendees	1 class – 8 attendees (Feb 2024)

Objective: *KPIC Scholarships:* Academic Rotation Off-Campus Travel KPIC sponsored Leadership Development Retreat – PLS *Donations Received from Alumni:* Pharmacy Innovation, Leadership & Ownership Dinner Business Plan Competition	Related Measurement: $14,900 $2,750 $7,850 $2,000 1 sponsor - $3,000 2 sponsors - $2,000	Goal: Provide financial support to students for business focused and non-traditional activities	Measured Result: $12,272.20 $0 $13,134.88 $2,000 2 sponsors - $5,500 1 sponsor - $2,500
Objective: Sterile Compounding CE Courses	Related Measurement: 2022/2023 4 classes (Aug, Nov, Mar, Jun) 57 attendees (1) Aseptic – 11 attendees (2) Management – 28 attendees (1) BOP Inspector – 18 attendees	Goal: 9 trainings held	Measured Result: 2023/2024 4 classes (Sept, Dec) 72 attendees (2) Management – 29 attendees (2) BOP Inspector – 43 attendees
Objective: Student/Individual Interactions	Related Measurement: April to June 2023 Total – 447 351 student pharmacists 75 pre-pharmacy 3 alumni 32.1% - N/A to KSAs 21.4% - Building Passion 21.4% - Networking 10.7% - Problem Solving 10.7% - Accounting	Goal: Increase student interaction with KPIC faculty and staff	Measured Result: July 1- June 30, 2024 Total – 3,454 3,276 student pharmacists 150 pre-pharmacy 64 alumni See attached report

IV.   Publications (Please report all publications accepted for publication as a result of the center's or institute's work during the previous year.)

*Articles in refereed journals: (***Example Format**: Blizzard J, Richardson WH, **Michels JE, Reeder CE, Schulz RM**, Holstege C. Cost-Benefit Analysis of a Regional Poison Center. Clinical Toxicology 2008;46(5):450-6.)

*Articles in non-refereed journals: (***Example Format**: Blizzard J, Richardson WH, **Michels JE, Reeder CE, Schulz RM**, Holstege C. Cost-Benefit Analysis of a Regional Poison Center. Clinical Toxicology 2008;46(5):450-6.)

Abstracts:

1. **Fabel PH**, Dunn B, Clements J**, Ballou JM**, Sease JM. A focus on design thinking within a personal & professional development course. AACP Annual Meeting, accepted 2024.
2. **Fabel PH**, **Ballou JM**, Teng C, Dunn B, Sease JM. Change in general enterprising tendency scores between P1 and P3 student pharmacists. AACP Annual Meeting, accepted 2024.
3. Nelson BC, **Ballou JM**, Traylor S, **Fabel PH**. Impact of a Medication Adherence Barriers Survey on Health Outcomes in Patients Participating in a Pharmacist Led Diabetes Management Program. APhA Annual Meeting 2024.

4. Crayne A, **Fabel PH**, **Hastings T, Ballou JM**. Identifying Patient Reported Barriers to the Administration of RSV Vaccine. APhA Annual Meeting 2024.
5. Davies A, Rudisell E, **Hite P, Ballou JM, Hastings T**, **Fabel PH**. Assessing Barriers, Facilitators, and Confidence in Ability to Provide Maternal Health Services in Community Pharmacies in South Carolina. APhA Annual Meeting 2024.
6. Wahdan C, Nardolillo J, Hastings T, **Ballou J**. A Cross-Sectional Survey Investigating Pharmacists' Perceived Confidence of Knowledge on HIV Injectable PrEP Guidelines Compared to Actual Knowledge. ASHP Midyear Clinical Meeting 2023. Anaheim, CA

V. **Funding awards and proposals** (Please report all grants submitted by the center or institute work during the previous year.)

FUNDED

Faculty Name:			
Project/Grant Title:			
Funding Agency:			
PI/Co-I	% effort/salary offset	Inclusive dates	Total award amount, indirect costs for this year: **Total for grant, total for year** (if multiyear) & USC COP share – amt that comes to the College)

SUBMITTED

Faculty Name:			
Project/Grant Title:			
Funding Agency:			
PI/Co-I	% effort/salary offset	Inclusive dates (MM/YYYY)	Total award amount, indirect costs for this year: **Total for grant, total for year** (if multiyear) & USC COP share – amt that comes to the College)

NOT FUNDED

Faculty Name: Patricia Fabel
Project/Grant Title: Use of the Aseptic Compounding Experience (ACE) Learning Library to improve understanding and compliance with USP Chapter <797> standards

Funding Agency: Pfizer Independent Medical Education Grants			
PI/Co-I	% effort/salary offset	Inclusive dates (MM/YYYY)	Total award amount, indirect costs for this year: **Total for grant, total for year** (if multiyear) & USC COP share – amt that comes to the College)
Patricia Fabel	2.5%	11/2024-10/2024	$180,506.65

VI. **Other** (Include below a description of any other pertinent changes which have occurred regarding the institute or center within the past year.)

Extra time was spent on residency related administrative work in August-October due to residents not passing licensure exams and wanting to leave the program.

Hope Health in Florence, SC became a new residency site in July 2024, which required additional time to onboard the site (preceptor develop, learning experience development, policies, etc.) and recruit their first resident.

KPIC faculty submitted an application on behalf of the college to the ACT Community Pharmacy Centers of Excellence program leading to the college being named one of the inaugural ACT Pharmacy Collaborative Community Pharmacy Centers of Excellence. Many of the center's initiatives is what contributed to the success of our application.

All three community-based residency programs (Premise Health-AFHC; Premise Health-WFMCP; and the PGY1 with Medicine Mart & Hawthorne) all had an accreditation progress report due June 23rd, 2024. This required a significant amount of time to coordinate and prepare.

The Executive Director of KPIC served on the APhA Board of Trustees and as APhA-APPM President from March 2023-March 2025. This required significantly more time than anticipated due to Board, Committee, and Academy meetings and work.

VII. **Updated Objectives** (Provide the list of objectives the center or institute will work towards during the upcoming academic year. Remember that each objective should be specific, measurable, achievable, relevant, and time-bound).
  a. Internal Management
     i. Develop a new strategic plan based off of the College's strategic plan.
     ii. Develop and implement a plan to address personnel changes and initiatives to ensure key initiatives continue.
     iii. Implement updated KPIC Advisory Board structure.
  b. Increase student exposure to and engagement with KPIC.
     i. Update the Business & Entrepreneurship track to reduce duplication with other tracks and to achieve desired outcomes.
     ii. Implement PharmD curricular changes – PHMY 850 (health systems), Birkman/Leadership/Design Thinking in PPD, digital health in lab.
     iii. Continue assisting with the development of a regulatory affairs/industry elective and track.

c. Contribute to the body of evidence related to practice transformation and how to best build creative problem solving, innovation, entrepreneurship skills in student pharmacists.
    a. Submit manuscript on GET2 research study
    b. Identify additional research that can be done related to GET2 test
    c. AACP Poster on design thinking series impact on creativity
    d. Submit manuscript for maternal health services survey
    e. Submit manuscript for DHEC pilots
    f. Implement maternal health pilot project
    g. Explore funding opportunities for practice transformation projects

Summary of student interaction 2023-2024

Year (July 1 through June 30th)	2022-2023 (started in April)	2023-2024
# of submissions:	29	258
Total Number of Students/Individuals:	450	3.454