UNC | ESHELMAN SCHOOL OF PHARMACY

2023 AACP Graduating Student Survey Summary Report

Peer institutions included in this comparison (n=12): The Ohio State University, The University of Arizona, The University of Kansas, The University of Texas-Austin, University of California-San Francisco, University of Florida, University of Illinois-Chicago, University of Kentucky, University of Michigan-Ann Arbor, University of Minnesota, University of Washington-Seattle, University of Wisconsin-Madison

Peer institutions not included in this comparison (n=0): N/A

2022 UNC: **Response Rate: 97.0% (total number of responses: 131/135)**
2023 UNC: **Response Rate: 98.1% (total number of responses: 153/156)**
2023 Peer Schools (n=12): **Response Rate: 81.9% (total number of responses: 1,258/1,536)**
2023 All Schools (n=138): **Response Rate: 72.3% (total number of responses: 8,999/12,449)**

Section I. Required Interprofessional Education

	2022 UNC	*2023 UNC*	*Peers*	*National*
1. What required curricular activities (didactic or experiential) did you participate in where you had the opportunity to learn with other health professions students? (Check all that apply)*				
Lectures	65.6%	62.7%	65.4%	69.7%
Patient-centered case problems	91.6%	96.7%	82.5%	83.9%
Clinical simulations	48.1%	51.0%	77.6%	73.0%
Active engagement with patients	61.8%	57.5%	58.8%	61.7%
Community projects, service learning	37.4%	45.8%	49.0%	52.5%
Team skills training	38.9%	48.4%	60.6%	58.2%
Online course work	74.0%	66.0%	63.2%	58.7%
Clinical labs	32.8%	30.1%	37.3%	45.3%
IPPE	79.4%	75.8%	69.2%	75.7%
APPE	91.6%	86.3%	90.4%	90.6%
Research or Capstone projects	19.8%	19.0%	26.1%	30.5%
Other – Specify:	0.0%	0.0%	0.9%	1.4%
Did not participate in any required interprofessional education activities	0.0%	0.0%	0.6%	0.3%
2. With which other professions students have you had the opportunity to participate or interact in required educational activities as indicated above? (Check all that apply)*				
Dentistry	90.8%	95.4%	58.3%	33.6%
Nursing	54.2%	84.3%	91.7%	84.7%
Occupational therapy	15.3%	16.3%	40.2%	36.1%
Osteopathic medicine (DO)	26.0%	22.2%	26.3%	38.1%
Allopathic medicine (MD)	59.5%	73.9%	66.8%	53.2%
Physical therapy	19.8%	26.1%	59.0%	51.2%
Physician assistant	42.0%	46.4%	42.4%	57.8%
Psychology	7.6%	10.5%	12.2%	14.1%
Public health	29.8%	49.7%	27.5%	24.8%
Social work	38.2%	46.4%	52.2%	46.4%
Veterinary medicine	3.1%	6.5%	19.0%	7.6%
Other – Specify:	0.0%	0.0%	5.2%	5.4%
Did not participate in any required interprofessional education activities	1.5%	0.0%	1.4%	1.3%
3. The learning experience with other professions students helped me gain a better understanding of how to be part of a multi-disciplinary team to improve patient outcomes.	89.4%	91.5%	92.6%	93.7%

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.

Section II. Professional Competencies/Outcomes/Curriculum

The Pharm.D. Program prepared me to…	2022 UNC	2023 UNC	Peers	National
Domain 1: Foundational Knowledge				
4. Apply knowledge from the foundational pharmaceutical and biomedical sciences to the provision of patient care.	93.1%	98.1%	97.5%	97.1%
5. Apply knowledge from the clinical sciences to the provision of patient care.	94.7%	98.0%	98.1%	97.7%
6. Evaluate scientific literature.	93.9%	98.0%	93.4%	94.8%
Domain 2: Essentials for Practice				
7. Provide medication expertise as part of patient-centered care.	94.6%	97.4%	97.9%	97.8%
8. Optimize the safety and efficacy of medication use systems (e.g., dispensing, administration, effects monitoring) to manage patient healthcare needs.	92.3%	97.4%	96.4%	97.0%
9. Design strategies to manage chronic disease and improve health and wellness.	96.1%	98.7%	98.0%	97.5%
10. Assess the health needs of a given patient population.	94.7%	97.4%	96.0%	96.5%
11. Provide patient-centered care based on evidence-based practices.	97.0%	99.4%	98.4%	98.0%
Domain 3: Approach to Practice and Care				
12. Design, implement and evaluate viable solutions to patient care problems.	94.6%	99.4%	97.6%	97.2%
13. Use effective strategies to educate patients, healthcare professionals and caregivers to improve patient care.	95.4%	97.4%	98.0%	97.7%
14. Advocate for the patient's best interest.	93.8%	95.5%	96.3%	96.6%
15. Engage as a member of an interprofessional healthcare team.	93.1%	97.4%	96.8%	96.9%
16. Identify cultural disparities in healthcare.	90.1%	91.5%	93.9%	93.1%
17. Recognize and address cultural disparities in access to and delivery of health care.	90.1%	89.6%	92.6%	92.4%
18. Effectively communicate (verbal, non-verbal, written) when interacting with individuals, groups and organizations.	95.4%	97.3%	96.6%	96.9%
Domain 4: Personal and Professional Development				
19. Examine and reflect on how my behavior and choices affect my personal and professional growth.	93.2%	95.4%	96.5%	95.8%
20. Accept responsibility for creating and achieving shared goals.	93.2%	96.7%	97.4%	96.5%
21. Develop new ideas and approaches to practice.	89.3%	91.5%	92.9%	92.6%
22. Act in a manner consistent with the trust given to pharmacists by patients, other healthcare providers and society.	96.2%	97.4%	98.5%	97.7%
Doctor of Pharmacy (Pharm.D.) Curriculum				
23. I developed the skills needed to prepare me for continuous professional development and self-directed life-long learning.	93.9%	98.0%	97.4%	96.7%
24. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	95.4%	98.7%	97.6%	97.5%
25. Elective didactic courses permitted exploration of and/or advanced study in areas of professional interest.	93.9%	98.0%	95.7%	93.9%

Section III. Pharmacy Practice Experiences

	2022 UNC	2023 UNC	Peers	National
Introductory Pharmacy Practice Experiences				
26. My introductory pharmacy practice experiences were valuable in helping me to prepare for my advanced pharmacy practice experiences.	90.9%	90.8%	84.9%	88.0%
27. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	93.9%	92.2%	89.2%	89.0%
28. My introductory pharmacy practice experiences were of high quality.	88.5%	85.6%	82.9%	85.2%
Advanced Pharmacy Practice Experiences				
29. In the community pharmacy setting, I was able to engage in direct patient care.	89.3%	94.1%	95.8%	95.5%
30. In the ambulatory care setting, I was able to engage in direct patient care.	97.7%	94.1%	96.4%	96.7%
31. In the hospital or health-system pharmacy setting, I was able to engage in direct patient care.	85.5%	88.9%	91.9%	92.4%
32. In the inpatient/acute care setting, I was able to engage in direct patient care.	97.7%	95.5%	96.6%	95.9%
33. The need for continuity of care (e.g., acute, chronic, and wellness promoting patient care services) in outpatient and inpatient settings was emphasized in the advanced pharmacy practice experiences.	94.6%	96.8%	95.4%	96.2%
34. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	91.6%	94.8%	93.0%	92.4%
35. I was academically prepared to enter my advanced pharmacy practice experiences.	90.8%	96.1%	91.3%	92.5%
36. My advanced pharmacy practice experiences were of high quality.	97.7%	95.4%	94.7%	95.4%
Overall (Both Introductory and Advanced) Pharmacy Practice Experiences				
37. My pharmacy practice experiences allowed me to have direct interaction with diverse patient populations (e.g., age, gender, socioeconomic, ethnic, and/or cultural background, disease states, etc.).	96.2%	99.3%	98.2%	97.8%
38. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	96.9%	98.1%	98.3%	98.2%

Section IV. Student Services

	2022 UNC	2023 UNC	Peers	National
39. College/school provided access to academic advising.	66.5%	69.9%	87.4%	90.6%
• *Selected "Did not utilize"*	*19.8%*	*9.8%*	*7.5%*	*4.5%*
40. College/school provided access to guidance on career planning.	61.1%	64.1%	83.2%	82.0%
• *Selected "Did not utilize"*	*12.2%*	*9.8%*	*7.3%*	*6.1%*
41. College/school provided access to accommodation services as defined by the Americans with Disabilities Act (ADA).	49.6%	49.7%	64.9%	69.9%
• *Selected "Did not utilize"*	*48.9%*	*49.7%*	*33.4%*	*28.4%*
42. College/school provided access to financial aid advising.	60.3%	58.8%	79.7%	81.8%
• *Selected "Did not utilize"*	*21.4%*	*15.0%*	*12.9%*	*9.9%*
43. College/school provided access to student health and wellness services (e.g., immunizations, counseling services, campus pharmacy, primary care clinics, etc.).	89.4%	86.9%	87.6%	88.3%
• *Selected "Did not utilize"*	*3.8%*	*4.6%*	*8.1%*	*6.5%*

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.

Section V. The Student Experience

	2022 UNC	2023 UNC	Peers	National
44. The college/school of pharmacy provided timely information about news, events, and important matters within the college/school of pharmacy.	81.6%	88.3%	91.8%	88.3%
45. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	88.6%	88.3%	94.0%	92.9%
46. The college/school's administration responded to problems and issues of concern to the student body.	66.4%	73.2%	79.9%	79.1%
47. I was aware of the process for raising issues with the college/school administration.	73.2%	75.8%	81.7%	80.9%
48. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	84.8%	98.0%	93.9%	92.1%
49. The college/school of pharmacy was welcoming to students with diverse backgrounds.	80.1%	85.6%	91.9%	93.0%
50. I know how to utilize college/school policies dealing with harassment and discrimination.	79.4%	79.1%	87.2%	84.7%
51. The college/school of pharmacy had processes to communicate student perspectives to the faculty or administration.	80.9%	85.6%	91.7%	88.8%
52. Faculty, administrators and staff served as positive role models for students.	92.4%	92.2%	94.9%	92.3%
53. Preceptors modeled professional attributes and behaviors.	96.2%	98.7%	95.7%	95.7%
54. Preceptors provided me with individualized instruction, guidance, and evaluation.	96.2%	97.4%	95.4%	96.2%
55. I was aware of expected behaviors with respect to professional and academic conduct.	96.2%	98.0%	98.7%	98.1%
56. The college/school had an effective process to manage *academic* misconduct by students (e.g., plagiarism).	67.1%	68.7%	84.9%	84.4%
57. The college/school had an effective process to manage *professional* misconduct by students (e.g., repeated tardiness/absences, drug diversion).	69.5%	71.2%	83.8%	82.5%
58. The college/school's faculty and administration encouraged me to participate in regional, state, or national pharmacy meetings.	87.8%	88.2%	90.6%	89.3%
59. The college/school of pharmacy was supportive of student professional organizations.	90.8%	89.6%	94.6%	94.2%
60. I was aware of opportunities in research activities with faculty.	82.5%	90.2%	79.0%	83.4%
60(a). I was aware of the existence of federal student loan repayment programs.	67.2%	76.5%	78.0%	78.9%
60(b). I was aware of the existence of state student loan repayment programs.	51.1%	58.9%	70.6%	74.1%
60(c). I was aware of eligibility requirements for governmental (state or federal) student loan repayment programs.	59.6%	67.3%	71.5%	75.0%

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.

Section VI. Facilities, Experiential Sites and Educational Resources

	2022 UNC	2023 UNC	Peers	National
61. My campus learning environment was safe.	97.0%	97.4%	96.0%	96.4%
62. The information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning.	96.9%	96.1%	95.8%	94.9%
63. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	95.4%	97.4%	93.8%	94.7%
64. The laboratories and other non-classroom environments were conducive to learning.	93.8%	95.4%	93.4%	95.3%
65. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	89.3%	90.8%	92.8%	92.9%
66. The common spaces such as lounges, lobbies, or other areas for relaxation and socialization available in the college/school of pharmacy or elsewhere on campus met my needs.	87.8%	84.3%	89.8%	90.3%
67. Access to educational resources (e.g., library, electronic data bases) was conducive to learning.	91.6%	88.3%	97.4%	96.6%
68. During pharmacy practice experiences, access to educational resources (e.g., library, electronic data bases) was conducive to learning.	91.6%	92.2%	98.2%	97.2%

Section VII. Overall Impressions

	2022 UNC	2023 UNC	Peers	National
69. I am prepared to enter pharmacy practice.	92.3%	94.8%	94.6%	94.5%
70. If I were starting my college career over again I would choose to study pharmacy.	70.3%	66.6%	77.1%	77.3%
71. If I were starting my pharmacy program over again I would choose the same college/school of pharmacy. (If you select disagree or strongly disagree please indicate the reason why in the comment box at the end of this session.)	81.7%	80.4%	88.4%	81.8%

Demographic Information

		2022 UNC	2023 UNC	Peers	National
73. Which of the following choice(s) describe the primary area of your paid outside work experiences while in the college/school?*					
	Community pharmacy	46.6%	49.0%	63.9%	67.5%
	Institutional pharmacy	36.6%	47.7%	38.2%	30.2%
	Other pharmacy related. Specify:	17.6%	17.6%	17.2%	10.3%
	Non-pharmacy related. Specify:	6.9%	3.3%	5.5%	6.3%
	I did not work	16.0%	7.8%	5.6%	11.0%
74. If you had paid employment please indicate the approximate number of hours you worked per week.					
	Less than 10 hours	37.3%	45.4%	24.7%	28.9%
	10 to 14 hours	38.2%	30.5%	39.1%	31.7%
	15 to 19 hours	19.1%	17.7%	22.3%	22.5%
	20 to 29 hours	0.9%	5.0%	10.7%	10.1%
	30 or more hours	3.6%	0.7%	2.5%	4.4%
	No answer	0.9%	0.7%	0.7%	2.4%
75. Please indicate any college degrees you had earned prior to entering the Doctor of Pharmacy program.*					
	Did not have a degree prior to entering program	10.7%	7.2%	17.4%	34.5%
	Associate's	5.3%	2.0%	12.8%	12.7%
	B.S., B.A. or Other Bachelor's	88.5%	92.2%	73.9%	55.8%
	Master's. Specify type:	3.8%	5.9%	2.4%	3.1%
	JD or Other Law	0.0%	0.7%	0.0%	0.1%
	Ph.D.	0.0%	0.0%	0.1%	0.2%
	M.D., D.D.S. or other Professional Doctorate	0.0%	0.7%	0.1%	0.3%
	Other Doctorate	0.0%	0.0%	0.2%	0.2%

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.

	2022 UNC	2023 UNC	Peers	National
76(a). What are you current plans for primary employment upon your graduation from the college/school of pharmacy?*				
Chain community pharmacy	9.2%	12.4%	28.2%	40.4%
Independent community pharmacy	6.9%	8.5%	11.0%	17.5%
Hospital	55.7%	47.7%	51.8%	46.3%
Clinic-based pharmacy	14.5%	11.8%	18.2%	16.2%
Consultant	7.6%	3.3%	3.7%	4.9%
Home care	0.0%	2.0%	1.4%	2.0%
Nursing home/Long-term care facility	2.3%	0.7%	3.8%	4.8%
Academia	3.8%	5.9%	6.4%	5.9%
Association management	0.8%	0.0%	0.4%	1.0%
Pharmaceutical industry	19.8%	21.6%	11.4%	12.7%
Managed care	1.5%	2.0%	4.4%	5.7%
Government or regulatory agency	3.1%	2.6%	3.7%	4.4%
Other pharmacy related field. Specify:	5.3%	3.3%	6.2%	6.0%
Non-pharmacy related field. Specify:	0.8%	0.7%	0.6%	0.8%
No plans for employment in the coming year	0.8%	2.0%	2.4%	2.2%
76(b). What are your current plans upon your graduation from the college/school of pharmacy?*				
Pharmacy Residency Program	59.5%	52.3%	51.4%	35.5%
Pharmacy Ph.D. Program	0.8%	2.0%	1.1%	3.1%
Master's. Specify type:	3.1%	2.6%	2.5%	3.7%
JD or Other Law Program	0.0%	0.0%	0.1%	0.4%
Other Health Professions (MD, DDS, DVM, etc.)	0.8%	1.3%	0.6%	1.0%
Non-Pharmacy Ph.D. Program	0.0%	0.0%	0.2%	0.6%
Fellowship	11.5%	13.7%	6.4%	6.2%
No plans for further education in the coming year	27.5%	30.1%	39.7%	52.3%
77. Have you borrowed money to help pay for your college expenses in the Pharm.D. degree program?				
Yes	77.1%	79.1%	79.7%	82.2%
No	22.9%	20.9%	20.3%	17.8%
78. If you borrowed to help pay for your college expenses in the Pharm.D. degree program, please estimate how much you will owe at date of graduation: $__ __ __ , __ __ __ .00 (mean ± SD)	$155,577.32 ± $69,656.42	$162,225.27 ± $63,553.35	------	$167,711
80. Age:				
25 or under	36.6%	30.7%	35.3%	43.9%
26-30	55.0%	61.4%	50.9%	39.5%
31-35	3.1%	3.3%	7.1%	7.6%
36-40	0.0%	0.7%	2.1%	3.1%
41-45	0.0%	0.0%	1.0%	1.5%
46-50	0.0%	0.0%	0.2%	0.5%
51 or above	0.0%	0.0%	0.1%	0.2%
Prefer not to disclose	5.3%	3.9%	3.5%	3.7%
81. Are you of Hispanic, Latino, or Spanish origin?				
No, not of Hispanic, Latino, or Spanish origin	88.5%	88.2%	83.9%	84.4%
Yes, Mexican, Mexican American, Chicano	1.5%	2.0%	4.8%	3.8%
Yes, Puerto Rican	1.5%	2.0%	1.7%	2.8%
Yes, Cuban	0.0%	2.0%	1.7%	1.1%
Yes, another Hispanic, Latino, or Spanish Origin. Specify:	3.1%	1.3%	2.5%	2.0%
Prefer not to disclose	5.3%	4.6%	5.3%	5.9%
82. I identify as (check all that apply):*				
American Indian or Alaska Native. Specify:	0.8%	0.0%	1.1%	1.0%
Asian. Specify:	21.4%	22.2%	28.4%	25.9%
Black or African American. Specify:	8.4%	7.8%	4.5%	8.6%
Middle Eastern or North African. Specify:	4.6%	2.6%	4.0%	5.1%
Native Hawaiian or Other Pacific Islander. Specify:	0.0%	0.0%	0.4%	0.5%
White. Specify:	60.3%	62.7%	56.4%	52.9%

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.

		2022 UNC	2023 UNC	Peers	National
	Other not listed above. Specify:	0.0%	0.7%	2.1%	2.0%
	Prefer not to disclose	7.6%	7.8%	7.9%	8.2%
83. Do you identify as a first-generation student?					
	Yes, neither of my parents completed a college/university degree	23.7%	19.0%	32.9%	34.0%
	No	72.5%	77.8%	62.8%	61.1%
	Prefer not to disclose	3.8%	3.3%	4.3%	4.9%
84. Which is the language you know best?					
	English	90.1%	93.5%	88.1%	87.5%
	Other. Specify:	7.6%	3.3%	8.3%	8.8%
	Prefer not to disclose	2.3%	3.3%	3.7%	3.7%
85. How would you describe your English Language Proficiency?					
	Native	84.7%	85.6%	77.3%	72.0%
	Advanced	13.0%	11.1%	16.9%	20.5%
	Intermediate	0.0%	0.7%	2.7%	3.5%
	Beginner	0.0%	0.0%	0.0%	0.2%
	Prefer not to disclose	2.3%	2.6%	3.1%	3.8%

*Students allowed to select multiple responses. All other items measured on a four-point Likert scale ranging from (1) Strongly Disagree to (4) Strongly Agree. Frequency counts for "Strongly Agree" and "Agree" responses from UNC, peer institutions, and all participating Schools of Pharmacy are reported.