



GRADUATING STUDENT SURVEY PUBLIC SCHOOL SUMMARY REPORT - 2013

The Graduating Student Survey was available for online access in the AACCP Centralized Survey System on March 11, 2013. As of July 2013, 60 public colleges and schools of pharmacy graduating students in 2013 administered the survey to their students. Six thousand, four hundred and thirty-two (6,432) graduating students at public institutions were invited to complete the survey. Four thousand, six hundred and eighty-two (4,682) graduating students at public institutions submitted the survey for a total response rate of nearly seventy-three percent (72.8%). Response rates per school ranged from 8.3 percent to 100.0 percent. For more information regarding this summary report or the administration of the survey, please contact Danielle Taylor, associate director of institutional research and effectiveness (dtaylor@aacp.org).

Total number of schools: 60

Total number of responses: 4,682

Total response rate: 72.8%

Demographic Information

1. Gender

	Response Percent	Response Total
Male	36.8%	1722
Female	63.2%	2960

2. Age

	Response Percent	Response Total
25 or under	46.4%	2174
26-30	41.0%	1919
31-35	8.0%	373
>35	4.6%	216

3. Which of the following choice(s) describes the primary area of your paid outside work experiences while in the college/school?

	Response Percent	Response Total
Community pharmacy	Multiple Answers Entered	3298
Institutional pharmacy	Multiple Answers Entered	874
Other pharmacy related; please specify:	Multiple Answers Entered	366
Non-pharmacy related: please specify:	Multiple Answers Entered	358
I did not work (Skip to number 4)	Multiple Answers Entered	494

3(a). If you had paid outside work during your final professional year please indicate the approximate number of hours you worked per week.

	Response Percent	Response Total
Less than 10 hours	38.4%	1616
10 to less than 15 hours	20.2%	849
15 to less than 20 hours	11.8%	498
20 to less than 30 hours	5.1%	216
30 or more hours	1.5%	63
I did not work during my final professional year	21.7%	914
No answer	1.2%	50

3(b). If you had paid outside work during the academic year immediately prior to your final professional year please indicate the approximate number of hours you worked per week during that year.

Response Percent	Response Total
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Less than 10 hours	28.0%	1174
10 to less than 15 hours	25.4%	1064
15 to less than 20 hours	18.9%	795
20 to less than 30 hours	9.2%	387
30 or more hours	4.2%	177
I did not work during the academic year immediately prior to my final professional year	12.7%	535
No answer	1.5%	65

4. Please indicate any college degrees you had earned prior to entering the Doctor of Pharmacy program. (Check all that apply)

	Response Percent	Response Total
Did not have a degree prior to entering program	Multiple Answers Entered	1898
Associate's	Multiple Answers Entered	493
B.S., B.A .or Other Bachelor's	Multiple Answers Entered	2385
MBA	Multiple Answers Entered	14
Master's (other than MBA)	Multiple Answers Entered	91
JD or Other Law	Multiple Answers Entered	3
Ph.D.	Multiple Answers Entered	14
M.D., D.D.S. or other Professional Doctorate	Multiple Answers Entered	7
Other Doctorate	Multiple Answers Entered	6

5. If you participated in a dual degree program while completing your Doctor of Pharmacy program, please indicate the degree program:

	Response Percent	Response Total
Did not participate in a dual degree program	97.5%	4566
Pharm.D./Ph.D.	0.4%	18
Pharm.D./MBA	0.9%	40
Pharm.D./M.S	0.1%	7
Pharm.D./JD	0.0%	1
Pharm.D./M.P.H.	0.3%	14
Other	0.8%	36

5(a). If you participated in a dual degree program, please indicate the estimated time of completion for the non-Pharm.D. degree:

	Response Percent	Response Total
Did not participate in a dual degree program	97.0%	4541
Already completed	0.5%	22
Less than 1 year	0.2%	11
1 year	0.3%	13
2 years	0.6%	30
3 years	0.4%	21
4 years	0.7%	34
5 years	0.1%	5
More than 5 years	0.1%	5

6. Please check the option below that best describes the configuration of your curriculum:

	Response Percent	Response Total
Traditional program (4 professional years)	98.8%	4625
Accelerated program (3 professional years; year-round classes)	1.2%	57

6(a). Please check the option below that best describes the learning environment in which you are enrolled:

	Response Percent	Response Total
Main campus	88.4%	4139
Distance/Satellite/Branch campus (enter city, state)	11.5%	538
Web-based program	0.1%	5

7(a). What are your current plans upon your graduation from the college/school of pharmacy? (Check all that apply)

	Response Percent	Response Total
Community Pharmacist – Chain	Multiple Answers Entered	2658
Community Pharmacist -- Independent	Multiple Answers Entered	625
Hospital Pharmacist	Multiple Answers Entered	1626
Long-term Care Pharmacist	Multiple Answers Entered	258
Managed Care Pharmacist	Multiple Answers Entered	152
Pharmaceutical Industry	Multiple Answers Entered	175
Pharmacist – Armed Services or Regulatory Agency	Multiple Answers Entered	103
Pharmacist – Other Government	Multiple Answers Entered	187
Professional Association	Multiple Answers Entered	46
Other Pharmacy Related Field; please specify:	Multiple Answers Entered	438
Non-Pharmacy Related Field; please specify:	Multiple Answers Entered	29
No Plans for Employment in the coming year	Multiple Answers Entered	176

7(b). What are your current plans upon your graduation from the college/school of pharmacy? (Check all that apply)

	Response Percent	Response Total
Pharmacy Residency Program	Multiple Answers Entered	1325
Dual Pharmacy Residency – Master's Program	Multiple Answers Entered	28
Pharmacy Master's Program	Multiple Answers Entered	25
MBA Program	Multiple Answers Entered	210
JD or Other Law Program	Multiple Answers Entered	22
Other Health Professions (MD, DDS, DVM, etc.)	Multiple Answers Entered	68
Other Non-Pharmacy Master's Program	Multiple Answers Entered	72
Non-Pharmacy Ph.D. Program	Multiple Answers Entered	32
Fellowship	Multiple Answers Entered	112
No Plans for Further Education in the coming year	Multiple Answers Entered	2940

8. Have you borrowed money to help pay for your college expenses in the Pharm.D. degree program?

	Response Percent	Response Total
Yes	89.3%	4182
No	10.7%	500

Average amount borrowed (public schools): \$113,745

Median amount borrowed (public schools): \$110,000

Section I: Required Interprofessional Education

9. What required curricular activities (didactic or experiential) did you participate in where you had the opportunity to learn with other health professions students? Select all that apply.

	Response Percent	Response Total
Lectures	Multiple Answers Entered	3109
Patient-centered case problems	Multiple Answers Entered	2864
Clinical simulations	Multiple Answers Entered	2384
Active engagement with patients	Multiple Answers Entered	2608
Community projects, service learning	Multiple Answers Entered	2471
Team skills training	Multiple Answers Entered	1852
Online coursework	Multiple Answers Entered	1546
Clinical Labs	Multiple Answers Entered	2076
IPPE	Multiple Answers Entered	3206
APPE	Multiple Answers Entered	4007
Research or Capstone projects	Multiple Answers Entered	1126
Other; please specify:	Multiple Answers Entered	87
Did not participate in any required interprofessional education activities	Multiple Answers Entered	223

9(a). With which other professions students have you had the opportunity to participate or interact in required educational activities as indicated above? Select all that apply.

	Response Percent	Response Total
Dentistry	Multiple Answers Entered	652
Nursing	Multiple Answers Entered	3087
Occupational therapy	Multiple Answers Entered	591
Osteopathic medicine (DO)	Multiple Answers Entered	1157
Allopathic medicine (MD)	Multiple Answers Entered	2488
Physical therapy	Multiple Answers Entered	1085
Physician assistant	Multiple Answers Entered	1515
Psychology	Multiple Answers Entered	490
Public health	Multiple Answers Entered	597
Social work	Multiple Answers Entered	1237
Veterinary medicine	Multiple Answers Entered	171
Other ; please specify:	Multiple Answers Entered	259
Did not participate in any required interprofessional education activities	Multiple Answers Entered	745

Please indicate the degree in which you agree or disagree with the statement below.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
9(b). 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.	35.2% (1646)	46.5% (2179)	4.1% (194)	1.8% (83)	12.4% (580)

Section II: Professional Competencies/Outcomes

Please indicate the degree in which you agree or disagree with whether your Pharm.D. curriculum prepared you for each of the listed professional competencies/outcomes. The Pharm.D. Program prepared me to...

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
10.communicate with health care providers.	46.5% (2177)	50.9% (2381)	1.9% (90)	0.4% (17)	0.4% (17)
11.communicate with patients and caregivers.	55.6% (2605)	43.0% (2012)	0.9% (44)	0.2% (10)	0.2% (11)
12.gather and use specific information (e.g. patient histories, medical records) to identify patient medication-related problems.	58.2% (2725)	40.4% (1892)	0.9% (44)	0.3% (12)	0.2% (9)
13.develop a patient care plan to manage each medication-related problem.	53.8% (2517)	44.7% (2093)	1.1% (50)	0.3% (13)	0.2% (9)
14.work with the health care team to implement the patient care plan.	44.3% (2076)	50.9% (2381)	3.7% (175)	0.7% (31)	0.4% (19)
15.document pharmaceutical care activities.	44.6% (2086)	51.5% (2410)	3.0% (140)	0.5% (24)	0.5% (22)
16.interpret epidemiologic data relevant to specific diseases and their management.	30.7% (1437)	59.1% (2766)	7.9% (369)	1.0% (45)	1.4% (65)
17.interpret economic data relevant to treatment of disease.	23.4% (1096)	57.4% (2689)	14.9% (696)	2.4% (113)	1.9% (88)
18.manage the system of medication use to affect patients.	38.4% (1797)	55.2% (2586)	3.8% (179)	0.6% (26)	2.0% (94)
19.identify and use risk reduction strategies to minimize medication errors.	39.7% (1860)	54.5% (2550)	4.5% (210)	0.5% (25)	0.8% (37)
20.provide patient care in accordance with legal, ethical, social, economic, and professional guidelines.	48.0% (2246)	49.8% (2333)	1.7% (79)	0.3% (14)	0.2% (10)
21.work with other stakeholders (e.g. patients and other health professionals) to engender a team approach to assure appropriate use of health care resources in providing patient care.	38.7% (1812)	55.1% (2579)	4.8% (223)	0.7% (35)	0.7% (33)
22.interpret and apply drug use policy and health policy.	31.8% (1487)	58.9% (2759)	7.2% (338)	1.0% (49)	1.0% (49)
23.work with other stakeholders (e.g. patients and other health professionals) to identify and resolve problems related to medication use.	40.9% (1917)	54.5% (2551)	3.4% (157)	0.7% (33)	0.5% (24)
24.promote wellness and disease prevention services.	50.7% (2372)	47.0% (2201)	1.7% (80)	0.3% (16)	0.3% (13)
25.practice pharmacy in interprofessional and collaborative practice settings.	49.3% (2306)	46.6% (2184)	3.0% (142)	0.6% (27)	0.5% (23)
26.search the health sciences literature	53.8% (2518)	44.1% (2065)	1.5% (71)	0.4% (17)	0.2% (11)
27.evaluate the health sciences literature	49.7% (2327)	47.0% (2199)	2.5% (118)	0.6% (27)	0.2% (11)
28.reflect critically on personal skills and actions and make plans to improve when necessary.	47.1% (2207)	49.8% (2330)	2.3% (107)	0.4% (20)	0.4% (18)
29.accept and respond to constructive feedback.	48.7% (2282)	47.7% (2235)	2.3% (107)	0.6% (29)	0.6% (29)

Section III: Doctor of Pharmacy Curriculum

The following statements refer to the curriculum of the Doctor of Pharmacy program at your college/school of pharmacy and/or your experiences with the curriculum. Please indicate the degree to which you agree or disagree with each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
30.The sequence of courses was appropriate to build my knowledge and skills.	29.9% (1400)	59.0% (2762)	9.1% (427)	1.6% (73)	0.4% (20)
31.I developed the skills needed to prepare me for continued learning after graduation.	43.6% (2041)	53.8% (2518)	1.8% (84)	0.4% (17)	0.5% (22)
32.I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	49.4% (2312)	48.4% (2267)	1.6% (77)	0.3% (15)	0.2% (11)
33.I was encouraged to ask questions in class.	39.3% (1838)	53.5% (2506)	6.0% (279)	0.7% (33)	0.6% (26)
34.Pharmacy-related elective courses met my needs as a Pharm.D. student.	37.5% (1758)	50.7% (2373)	9.1% (424)	1.9% (88)	0.8% (39)
35.Course loads were reasonable.	29.0% (1358)	61.0% (2855)	7.7% (360)	1.7% (80)	0.6% (29)
36.The program included opportunities to develop professional attitudes, ethics and behaviors.	43.6% (2043)	52.8% (2474)	2.3% (110)	0.7% (34)	0.4% (21)

Section IV: Pharmacy Practice Experiences

The following statements refer to your introductory pharmacy practice experiences. Introductory pharmacy practice experiences include any rotations that occur prior to the final professional year in the curriculum and may include activities such as shadowing of practitioners, interviews with real patients, and/or service learning.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
37. My introductory pharmacy practice experiences were valuable in helping me to prepare for my advanced pharmacy practice experiences.	25.5% (1193)	56.3% (2637)	14.4% (672)	3.2% (152)	0.6% (28)
38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	26.7% (1252)	55.0% (2573)	15.2% (710)	2.7% (125)	0.5% (22)
39. The sites available for introductory pharmacy practice experiences were of high quality.	28.1% (1314)	57.0% (2670)	11.4% (532)	2.4% (112)	1.2% (54)
40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair.	30.5% (1429)	59.1% (2769)	6.2% (289)	2.0% (92)	2.2% (103)

The following statements refer to your advanced pharmacy practice experiences. Advanced pharmacy practice experiences form the core of the final professional year of the curriculum.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
41. In the community pharmacy setting, I was able to apply my patient care skills.	45.8% (2146)	47.1% (2207)	4.8% (224)	1.3% (62)	0.9% (43)
42. In the ambulatory care setting, I was able to apply my patient care skills.	57.5% (2693)	38.7% (1813)	2.3% (108)	0.6% (28)	0.9% (40)
43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills.	46.6% (2182)	46.3% (2167)	5.3% (246)	1.2% (56)	0.7% (31)
44. In the inpatient/acute care setting, I was able to apply my patient care skills.	51.4% (2405)	44.2% (2070)	2.6% (123)	0.7% (35)	1.0% (49)
45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences.	45.5% (2130)	49.4% (2311)	3.8% (178)	0.5% (24)	0.8% (39)
46. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	46.0% (2153)	47.0% (2202)	5.2% (244)	1.4% (64)	0.4% (19)
47. I was academically prepared to enter my advanced pharmacy practice experiences.	41.3% (1933)	53.5% (2504)	4.1% (193)	0.7% (34)	0.4% (18)
48. The sites available for advanced pharmacy practice experiences were of high quality.	43.3% (2027)	50.7% (2373)	4.4% (208)	1.0% (46)	0.6% (28)
49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair.	41.2% (1930)	49.9% (2337)	5.6% (261)	2.5% (118)	0.8% (36)
50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies.	52.2% (2444)	45.1% (2113)	1.6% (77)	0.5% (24)	0.5% (24)

The following statements refer to your overall (both introductory and advanced) pharmacy practice experiences.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
51. My pharmacy practice experiences allowed me to have direct interaction with diverse patient populations (e.g., age, gender, ethnic	55.8% (2612)	42.5% (1989)	1.2% (54)	0.3% (15)	0.3% (12)

and/or cultural background, disease states, etc.).					
52. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	56.4% (2639)	42.0% (1966)	1.1% (50)	0.3% (15)	0.3% (12)

Section V: Student Services

Please indicate the degree in which you agree or disagree with the following statements regarding student services.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Did Not Utilize
53.Academic advising met my needs.	24.8% (1161)	46.5% (2178)	9.2% (432)	3.2% (152)	16.2% (759)
54.Career planning and guidance met my needs.	18.1% (849)	39.8% (1865)	14.6% (684)	4.4% (208)	23.0% (1076)
55.Tutoring services met my needs.	13.8% (647)	27.1% (1271)	6.7% (315)	2.0% (93)	50.3% (2356)
56.Financial aid advising met my needs.	18.8% (880)	45.0% (2109)	9.8% (459)	4.9% (228)	21.5% (1006)
57.Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs.	27.2% (1272)	50.6% (2370)	4.7% (220)	1.9% (91)	15.6% (729)

Section VI: The Student Experience

Please consider each of the following statements with regard to your experience as a student of the college/school of pharmacy. Please indicate the degree to which you agree or disagree with each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
58.The college/school of pharmacy provided timely information about news, events and important matters within the college/school of pharmacy.	36.1% (1689)	56.9% (2665)	5.0% (236)	1.3% (62)	0.6% (30)
59.Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	38.0% (1780)	55.1% (2581)	4.8% (226)	1.1% (51)	0.9% (44)
60.The college/school's administration responded to problems and issues of concern to the student body.	30.1% (1411)	54.8% (2565)	8.9% (419)	3.0% (139)	3.2% (148)
61.I was aware of the process for raising issues with the college/school administration.	27.5% (1287)	56.1% (2627)	11.0% (517)	2.0% (92)	3.4% (159)
62.I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	36.6% (1713)	55.9% (2619)	5.0% (235)	1.2% (56)	1.3% (59)
63.The college/school of pharmacy is welcoming to students with diverse backgrounds.	47.1% (2207)	49.2% (2303)	1.4% (66)	0.9% (40)	1.4% (66)
64.The admissions process of the college/school of pharmacy was well organized.	40.4% (1891)	53.3% (2497)	3.6% (167)	1.0% (48)	1.7% (79)
65.The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration.	33.0% (1545)	53.5% (2503)	7.1% (332)	1.8% (82)	4.7% (220)
66.The college/school of pharmacy made use of a variety of means (e.g. course evaluations, student surveys, focus groups, meetings with administrative leaders) to obtain student perspectives on curriculum, student services, faculty/student relationships and other aspects of the program.	39.0% (1825)	53.9% (2523)	4.7% (220)	1.3% (60)	1.2% (54)
67.Faculty, administrators and staff were committed to serving as positive role models for students.	40.9% (1913)	52.9% (2478)	3.8% (179)	1.3% (59)	1.1% (53)
68.Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences.	44.3% (2073)	52.9% (2477)	1.9% (87)	0.5% (25)	0.4% (20)
69.Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student.	44.4% (2077)	52.0% (2434)	2.6% (122)	0.5% (24)	0.5% (25)
70.I was aware of expected behaviors with respect to professional and academic conduct.	53.9% (2523)	44.7% (2093)	0.8% (37)	0.3% (12)	0.4% (17)
71.The college/school of pharmacy effectively managed academic misconduct by students.	30.5% (1429)	45.6% (2137)	7.9% (370)	3.8% (177)	12.2% (569)
72.The college/school of pharmacy effectively managed professional misconduct by students.	30.4% (1425)	46.3% (2168)	7.0% (330)	3.3% (156)	12.9% (603)
73.The college/school's faculty and administration encouraged me to participate in regional, state or national pharmacy meetings.	41.1% (1923)	51.2% (2395)	4.8% (226)	1.2% (57)	1.7% (81)
74.The college/school of pharmacy was supportive of student professional organizations.	48.6% (2276)	47.9% (2242)	1.6% (74)	0.6% (29)	1.3% (61)
75.I was aware of opportunities to participate in research activities with faculty.	31.1% (1456)	49.0% (2296)	13.7% (642)	3.1% (143)	3.1% (145)

Section VII: Facilities, Experiential Sites and Educational Resources

The following statements refer to facilities, experiential sites and educational resources. Please indicate the degree to which you agree or disagree with each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
76. My campus learning environment was safe.	46.4% (2173)	48.5% (2269)	3.7% (173)	0.9% (44)	0.5% (23)
77. The computer and other information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning.	40.9% (1914)	51.2% (2399)	6.0% (282)	1.3% (63)	0.5% (24)
78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	41.5% (1942)	52.0% (2433)	5.0% (235)	1.1% (51)	0.4% (21)
79. The laboratories and other non-classroom environments were conducive to learning.	42.1% (1971)	53.0% (2481)	3.5% (162)	0.8% (38)	0.6% (30)
80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	39.6% (1855)	52.0% (2433)	6.0% (279)	1.6% (75)	0.9% (40)
81. 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.	39.1% (1830)	50.4% (2361)	7.5% (352)	2.0% (92)	1.0% (47)
82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) were conducive to learning.	48.2% (2256)	48.1% (2253)	2.3% (107)	0.8% (39)	0.6% (27)
83. During pharmacy practice experiences access to educational resources (e.g., library, electronic data bases, drug information center) were conducive to learning.	48.1% (2250)	49.1% (2301)	1.9% (88)	0.5% (23)	0.4% (20)

Section VIII: Overall Impressions

These statements refer to your overall impressions of the college/school and the profession of pharmacy. Please indicate the degree to which you agree or disagree with each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
84.I am prepared to enter pharmacy practice.	42.4% (1985)	54.3% (2543)	2.1% (99)	0.4% (20)	0.7% (35)
85.If I were starting my college career over again I would choose to study pharmacy.	42.8% (2003)	42.0% (1966)	8.4% (392)	3.1% (144)	3.8% (177)
86.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 section.)	45.3% (2121)	44.4% (2080)	5.1% (237)	2.8% (129)	2.5% (115)
87.I would recommend a career in pharmacy to a friend or relative.	39.0% (1828)	45.0% (2106)	9.8% (458)	2.8% (130)	3.4% (160)