

American Association of College of Pharmacy Graduating Student Survey

2014 Private School Summary Report

July 2014

GRADUATING STUDENT SURVEY PRIVATE SCHOOL SUMMARY REPORT – 2014

Total number of private schools: 58

Total number of responses: 4,970

Total response rate: 71.1%

Demographic Information

1. Gender

	Response Percent	Response Total
Male	37.9%	1883
Female	62.1%	3087

2. Age

	Response Percent	Response Total
25 or under	49.4%	2454
26-30	37.1%	1843
31-35	8.6%	426
>35	5.0%	247

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	N/A	3365
Institutional pharmacy	N/A	871
Other pharmacy related; please specify:	N/A	289
Non-pharmacy related: please specify:	N/A	347
I did not work (Skip to number 4)	N/A	789

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	35.0%	1463
10 to less than 15 hours	23.1%	967
15 to less than 20 hours	15.9%	665
20 to less than 30 hours	7.0%	292
30 or more hours	2.4%	101
I did not work during my final professional year	14.6%	611
No answer	2.0%	84

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
Less than 10 hours	27.3%	1141
10 to less than 15 hours	25.7%	1073
15 to less than 20 hours	19.4%	813
20 to less than 30 hours	9.4%	395
30 or more hours	4.2%	175
I did not work during the academic year immediately prior to my final professional year	10.8%	451
No answer	3.2%	135

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	N/A	2111
Associate's	N/A	465
B.S., B.A. or Other Bachelor's	N/A	2494
MBA	N/A	33
Master's (other than MBA)	N/A	163
JD or Other Law	N/A	2
Ph.D.	N/A	11
M.D., D.D.S. or other Professional Doctorate	N/A	6
Other Doctorate	N/A	4

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	95.3%	4735
Pharm.D./Ph.D.	0.4%	18
Pharm.D./MBA	2.3%	116
Pharm.D./M.S	0.3%	15
Pharm.D./JD	0.0%	1
Pharm.D./M.P.H.	0.3%	17
Other	1.3%	66

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	33.0%	115
Already completed	9.7%	34
Less than 1 year	7.7%	27
1 year	9.5%	33
2 years	17.5%	61
3 years	10.0%	35
4 years	9.2%	32
5 years	2.3%	8
More than 5 years	1.1%	4

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

	Response Percent	Response Total
Traditional program (4 professional years)	82.2%	4085
Accelerated program (3 professional years; year-round classes)	17.8%	884

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

	Response Percent	Response Total
Main campus	91.7%	4558
Distance/Satellite/Branch campus (enter city, state)	7.5%	371
Web-based program	0.8%	41

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	N/A	3241
Community Pharmacist -- Independent	N/A	831
Hospital Pharmacist	N/A	1554
Long-term Care Pharmacist	N/A	278
Managed Care Pharmacist	N/A	197
Pharmaceutical Industry	N/A	233
Pharmacist – Armed Services or Regulatory Agency	N/A	122
Pharmacist – Other Government	N/A	216
Professional Association	N/A	41
Other Pharmacy Related Field; please specify:	N/A	360
Non-Pharmacy Related Field; please specify:	N/A	34
No Plans for Employment in the coming year	N/A	186

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	N/A	1105
Dual Pharmacy Residency – Master’s Program	N/A	28
Pharmacy Master’s Program	N/A	38
MBA Program	N/A	288
JD or Other Law Program	N/A	41
Other Health Professions (MD, DDS, DVM, etc.)	N/A	77
Other Non-Pharmacy Master’s Program	N/A	96
Non-Pharmacy Ph.D. Program	N/A	33
Fellowship	N/A	87
No Plans for Further Education in the coming year	N/A	3369

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

	Response Percent	Response Total
Yes	91.0%	4524
No	9.0%	446
Average amount borrowed (private schools): \$166,534		
Median amount borrowed (private schools): \$165,000		

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	N/A	3533
Patient-centered case problems	N/A	3455
Clinical simulations	N/A	2825
Active engagement with patients	N/A	2837
Community projects, service learning	N/A	2863
Team skills training	N/A	2251
Online coursework	N/A	1877
Clinical Labs	N/A	2454
IPPE	N/A	3711
APPE	N/A	4355
Research or Capstone projects	N/A	1332
Other; please specify:	N/A	72
Did not participate in any required interprofessional education activities	N/A	170

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	N/A	536
Nursing	N/A	3100
Occupational therapy	N/A	973
Osteopathic medicine (DO)	N/A	1656
Allopathic medicine (MD)	N/A	1807
Physical therapy	N/A	1559
Physician assistant	N/A	2118
Psychology	N/A	588
Public health	N/A	568
Social work	N/A	1272
Veterinary medicine	N/A	224
Other ; please specify:	N/A	238
Did not participate in any required interprofessional education activities	N/A	795

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.	34.5% (1715)	46.0% (2285)	4.7% (236)	2.6% (129)	12.2% (605)

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.	46.3% (2299)	49.3% (2448)	3.3% (163)	0.8% (40)	0.4% (20)
11. communicate with patients and caregivers.	52.6% (2613)	44.7% (2223)	1.8% (87)	0.6% (29)	0.4% (18)
12. gather and use specific information (e.g. patient histories, medical records) to identify patient medication-related problems.	53.6% (2662)	44.3% (2204)	1.3% (67)	0.4% (20)	0.3% (17)
13. develop a patient care plan to manage each medication-related problem.	49.5% (2461)	47.9% (2380)	1.8% (88)	0.5% (23)	0.4% (18)
14. work with the health care team to implement the patient care plan.	42.1% (2090)	51.4% (2554)	5.1% (251)	0.8% (42)	0.7% (33)
15. document pharmaceutical care activities.	42.5% (2112)	52.0% (2586)	4.0% (198)	0.7% (37)	0.7% (36)
16. interpret epidemiologic data relevant to specific diseases and their management.	30.8% (1531)	57.1% (2838)	9.1% (451)	1.4% (69)	1.6% (81)
17. interpret economic data relevant to treatment of disease.	24.7% (1229)	54.2% (2695)	16.2% (804)	2.6% (131)	2.2% (111)
18. manage the system of medication use to affect patients.	38.3% (1903)	54.7% (2718)	4.4% (220)	0.7% (35)	1.9% (94)
19. identify and use risk reduction strategies to minimize medication errors.	39.6% (1967)	53.9% (2681)	4.7% (232)	0.8% (39)	1.0% (51)
20. provide patient care in accordance with legal, ethical, social, economic, and professional guidelines.	45.5% (2259)	50.8% (2527)	2.5% (122)	0.6% (30)	0.6% (31)
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.	37.2% (1851)	53.7% (2669)	6.9% (341)	1.1% (54)	1.1% (55)
22. interpret and apply drug use policy and health policy.	33.1% (1645)	56.0% (2783)	8.0% (397)	1.1% (57)	1.8% (87)
23. work with other stakeholders (e.g. patients and other health professionals) to identify and resolve problems related to medication use.	39.6% (1967)	54.2% (2695)	4.4% (220)	0.8% (39)	1.0% (49)
24. promote wellness and disease prevention services.	48.4% (2405)	48.6% (2416)	2.0% (97)	0.4% (22)	0.6% (30)

25. practice pharmacy in interprofessional and collaborative practice settings.	46.4% (2304)	48.7% (2418)	3.6% (178)	0.8% (40)	0.6% (30)
26. search the health sciences literature	50.3% (2502)	46.2% (2294)	2.3% (114)	0.7% (37)	0.5% (23)
27. evaluate the health sciences literature	46.8% (2324)	48.0% (2388)	3.6% (179)	1.0% (50)	0.6% (28)
28. reflect critically on personal skills and actions and make plans to improve when necessary.	45.2% (2247)	50.4% (2505)	3.0% (149)	0.8% (38)	0.6% (31)
29. accept and respond to constructive feedback.	47.1% (2342)	48.0% (2385)	3.2% (158)	1.0% (50)	0.7% (35)

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.	32.9% (1637)	54.1% (2688)	10.0% (496)	2.3% (114)	0.7% (35)
31. I developed the skills needed to prepare me for continued learning after graduation.	40.6% (2017)	53.9% (2678)	3.7% (182)	0.8% (41)	1.0% (52)
32. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	47.2% (2348)	49.1% (2442)	2.4% (119)	0.5% (23)	0.8% (38)
33. I was encouraged to ask questions in class.	39.6% (1967)	50.2% (2495)	7.3% (365)	1.4% (68)	1.5% (75)
34. Pharmacy-related elective courses met my needs as a Pharm.D. student.	34.4% (1712)	50.8% (2523)	10.2% (507)	2.6% (129)	2.0% (99)
35. Course loads were reasonable.	28.6% (1422)	57.9% (2879)	10.0% (495)	2.7% (133)	0.8% (40)
36. The program included opportunities to develop professional attitudes, ethics and behaviors.	42.9% (2133)	51.4% (2553)	3.8% (188)	1.1% (56)	0.8% (40)

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.	28.0% (1393)	53.9% (2677)	13.7% (679)	3.7% (183)	0.8% (38)
38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	28.5% (1417)	53.0% (2636)	14.4% (718)	3.3% (164)	0.7% (35)
39. The sites available for introductory pharmacy practice experiences were of high quality.	27.8% (1384)	54.6% (2715)	13.0% (648)	3.1% (152)	1.4% (70)
40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair.	30.8% (1530)	55.9% (2779)	7.7% (385)	3.6% (177)	2.0% (99)

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.	45.3% (2252)	47.0% (2336)	5.0% (249)	1.5% (74)	1.1% (57)
42. In the ambulatory care setting, I was able to apply my patient care skills.	54.7% (2720)	39.3% (1951)	3.1% (155)	1.3% (67)	1.5% (75)
43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills.	47.1% (2342)	44.9% (2232)	5.5% (275)	1.2% (61)	1.2% (58)
44. In the inpatient/acute care setting, I was able to apply my patient care skills.	50.6% (2516)	43.4% (2156)	3.4% (170)	0.9% (47)	1.6% (79)
45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences.	46.3% (2299)	48.2% (2394)	3.6% (181)	0.5% (27)	1.3% (67)
46. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	43.8% (2176)	46.0% (2284)	6.5% (321)	2.7% (132)	1.1% (55)
47. I was academically prepared to enter my advanced pharmacy practice experiences.	37.0% (1840)	52.5% (2610)	7.4% (370)	1.7% (86)	1.2% (62)
48. The sites available for advanced pharmacy practice experiences were of high quality.	39.0% (1939)	51.7% (2569)	6.0% (299)	1.8% (88)	1.5% (73)
49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair.	38.7% (1921)	49.4% (2453)	6.7% (331)	3.6% (179)	1.7% (83)

50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies.	48.8% (2424)	46.7% (2319)	2.6% (130)	0.8% (38)	1.1% (57)
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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 and/or cultural background, disease states, etc.).	55.9% (2779)	41.8% (2078)	1.2% (60)	0.4% (20)	0.6% (31)
52. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	54.5% (2708)	43.0% (2139)	1.4% (70)	0.4% (19)	0.6% (31)

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.	26.4% (1310)	44.7% (2222)	12.2% (606)	4.4% (218)	12.4% (614)
54. Career planning and guidance met my needs.	17.7% (881)	37.7% (1875)	16.4% (815)	6.4% (316)	21.8% (1083)
55. Tutoring services met my needs.	15.6% (777)	30.3% (1504)	8.2% (407)	2.9% (145)	43.0% (2137)
56. Financial aid advising met my needs.	20.0% (995)	45.0% (2237)	12.2% (608)	7.0% (348)	15.7% (782)
57. Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs.	25.3% (1256)	45.2% (2248)	8.4% (418)	4.6% (227)	16.5% (821)

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.	34.3% (1705)	53.3% (2651)	8.0% (397)	3.2% (159)	1.2% (58)
59. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	35.8% (1780)	53.7% (2669)	7.0% (348)	2.2% (109)	1.3% (64)
60. The college/school's administration responded to problems and issues of concern to the student body.	26.5% (1315)	50.8% (2524)	13.5% (670)	5.7% (285)	3.5% (175)
61. I was aware of the process for raising issues with the college/school administration.	25.5% (1265)	51.5% (2558)	14.9% (743)	4.3% (215)	3.8% (189)
62. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	32.9% (1634)	54.7% (2718)	7.8% (390)	2.7% (132)	1.9% (96)
63. The college/school of pharmacy is welcoming to students with diverse backgrounds.	46.5% (2311)	47.9% (2379)	2.4% (117)	1.6% (79)	1.7% (84)
64. The admissions process of the college/school of pharmacy was well organized.	38.1% (1894)	51.8% (2575)	4.9% (245)	2.6% (127)	2.6% (129)
65. The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration.	31.1% (1545)	52.1% (2587)	8.3% (413)	3.3% (166)	5.2% (259)
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.	37.3% (1854)	51.6% (2564)	6.5% (324)	2.6% (127)	2.0% (101)
67. Faculty, administrators and staff were committed to serving as positive role models for students.	38.0% (1889)	51.2% (2545)	6.3% (313)	2.8% (137)	1.7% (86)
68. Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences.	42.7% (2120)	53.0% (2636)	2.5% (124)	1.2% (59)	0.6% (31)
69. Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student.	42.1% (2093)	52.6% (2614)	3.5% (172)	1.3% (65)	0.5% (26)
70. I was aware of expected behaviors with respect to professional and academic conduct.	52.6% (2614)	45.3% (2250)	0.9% (47)	0.7% (37)	0.4% (22)
71. The college/school of pharmacy effectively managed academic misconduct by students.	29.5% (1465)	45.5% (2262)	8.3% (414)	5.5% (272)	11.2% (557)
72. The college/school of pharmacy effectively managed professional misconduct by students.	29.3% (1456)	45.9% (2281)	7.9% (391)	5.2% (257)	11.7% (582)

73. The college/school's faculty and administration encouraged me to participate in regional, state or national pharmacy meetings.	38.7% (1924)	51.2% (2545)	6.1% (303)	1.9% (92)	2.1% (106)
74. The college/school of pharmacy was supportive of student professional organizations.	43.8% (2177)	49.9% (2478)	2.8% (137)	1.4% (68)	2.2% (109)
75. I was aware of opportunities to participate in research activities with faculty.	29.4% (1462)	46.9% (2333)	14.8% (738)	5.4% (268)	3.4% (169)

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.	48.7% (2419)	46.4% (2307)	3.0% (151)	1.1% (55)	0.8% (38)
77. The computer and other information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning.	38.6% (1917)	49.1% (2441)	7.6% (379)	3.9% (192)	0.8% (41)
78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	40.1% (1991)	51.9% (2577)	5.5% (274)	1.8% (87)	0.8% (40)
79. The laboratories and other non-classroom environments were conducive to learning.	40.4% (2006)	52.7% (2621)	3.7% (185)	1.5% (76)	1.6% (81)
80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	35.8% (1780)	48.7% (2420)	9.2% (455)	4.9% (243)	1.4% (72)
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.	34.0% (1690)	47.1% (2341)	11.5% (571)	5.5% (272)	1.9% (96)
82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) were conducive to learning.	43.1% (2143)	49.1% (2441)	4.4% (220)	2.4% (118)	1.0% (48)
83. During pharmacy practice experiences access to educational resources (e.g., library, electronic data bases, drug information center) were conducive to learning.	45.6% (2267)	48.6% (2417)	3.2% (160)	1.8% (91)	0.7% (34)

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.	39.3% (1953)	54.9% (2730)	3.8% (191)	0.7% (37)	1.2% (59)
85. If I were starting my college career over again I would choose to study pharmacy.	39.2% (1949)	41.5% (2064)	10.7% (531)	4.5% (226)	4.0% (200)
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.)	33.6% (1672)	43.1% (2143)	11.5% (570)	7.4% (369)	4.3% (216)
87. I would recommend a career in pharmacy to a friend or relative.	33.7% (1676)	44.0% (2189)	13.0% (647)	4.9% (246)	4.3% (212)