

GRADUATING PHARMACY STUDENT SURVEY PRIVATE SCHOOL SUMMARY REPORT - 2012

Total number of schools: 48

Total number of responses: 4,226

Part A. Demographic Information

1. Gender

	Response Percent	Response Total
Male	37.5%	1585
Female	62.5%	2641

2. Age

	Response Percent	Response Total
25 or under	51.5%	2178
26-30	35.3%	1493
31-35	8.0%	336
36 or older	5.2%	219

3. Primary area of paid outside work experiences while in school

	Response Percent	Response Total
Community pharmacy	NA	3071
Institutional pharmacy	NA	765
Other pharmacy related	NA	195
Non-Pharmacy related	NA	256
I did not work	NA	558

3a. Hours worked per week if paid for outside work during your final professional year

	Response Percent	Response Total
I did not work during my final professional year	25.2%	1064
Less than 10 hours	30.0%	1269
10 to less than 15 hours	18.4%	777
15 to less than 20 hours	12.1%	512
20 to less than 30 hours	6.2%	264
30 or more hours	2.3%	97
No Answer	5.8%	243

3b. Hours worked per week if paid for outside work during the academic year immediately prior to final professional year

	Response Percent	Response Total
I did not work during the academic year immediately prior to my final professional year	18.6%	786
Less than 10 hours	21.3%	899
10 to less than 15 hours	21.9%	927
15 to less than 20 hours	17.4%	737
20 to less than 30 hours	9.7%	408
30 or more hours	5.0%	213
No Answer	6.1%	256

	Response Percent	Response Total
4. College degrees earned prior to entering Doctor of Pharmacy program		
Did not have a degree prior to entering program	NA	1965
Associate's	NA	405
B.S., B.A. or Other Bachelor's	NA	1946
MBA	NA	16
Master's (other than MBA)	NA	121
JD or Other Law	NA	3
Ph.D.	NA	8
M.D., D.D.S. or other Professional Doctorate	NA	12
Other Doctorate	NA	8
5. Dual degree program participated in while completing Doctor of Pharmacy program		
Did not participate in a dual degree program	96.7%	4085
Pharm.D./Ph.D.	0.2%	8
Pharm.D./MBA	1.6%	69
Pharm.D./M.S.	0.3%	11
Pharm.D./JD	0.0%	1
Pharm.D./M.P.H.	0.2%	7
Other	1.1%	45
5a. Estimated time of completion of Dual degree program		
No Answer	2.6%	110
Did not participate in a dual degree program	94.1%	3978
Already completed	0.7%	29
Less than 1 year	0.2%	7
1 year	0.4%	18
2 years	1.0%	44
3 years	0.5%	22
4 years	0.3%	12
5 years	0.1%	3
More than 5 years	0.1%	3
6. Learning environment/configuration of curriculum		
Traditional program (4 professional years)	80.3%	3395
Accelerated program (3 professional years; year-round classes)	19.7%	831
7. Enrolled learning environment		
Main campus	92.4%	3904
Distance/Satellite/Branch campus (enter city, state)	6.6%	277
Web-based program	1.1%	45
8. Current plans upon your graduation from the college/school of pharmacy		
Employment		
Community Pharmacist -- Chain	NA	2557
Community Pharmacist -- Independent	NA	683
Hospital Pharmacist	NA	1318
Long-term Care Pharmacist	NA	270
Managed Care Pharmacist	NA	161
Pharmaceutical Industry	NA	157
Pharmacist - Armed services or Regulator Agency	NA	117
Pharmacist - Other Government	NA	153
Professional Association	NA	40
Other Pharmacy Related Field	NA	238
Non - Pharmacy Related Field	NA	21
No Plans for Employment in the coming year	NA	168

	Response Percent	Response Total
Further Education		
Pharmacy Residency Program	NA	934
Dual Pharmacy Residency - Master's Program	NA	23
Pharmacy Master's Program	NA	33
Pharmacy Ph.D. Program	NA	33
MBA Program	NA	259
JD or Other Law Program	NA	45
Other Health Professions (M.D., D.D.S., D.V.M., etc.)	NA	62
Other Non-Pharmacy Master's Program	NA	71
Non-Pharmacy Ph.D. Program	NA	18
Fellowship	NA	66
No Plans for Further Education in the coming year	NA	2038
8a. Borrowed money to help pay for your college expenses in the Pharm.D. degree program	Response Percent	Response Total
Yes	90.0%	3802
No	10.0%	424
Average amount borrowed (private schools): \$142,849		
Median amount borrowed (private schools): \$150,000		

Section I: Required Interprofessional Education

9. Required curricular activities	Response Percent	Response Total
Lectures	NA	3160
Patient-centered case problems	NA	2817
Clinical simulations	NA	2227
Active engagement with patients	NA	2349
Community projects, service learning	NA	2412
Team skills training	NA	1842
Online coursework	NA	1534
Clinical Labs	NA	2145
IPPE	NA	3068
APPE	NA	3679
Research or Capstone projects	NA	1158
Other	NA	41
Did not participate in any required interprofessional education activities	NA	164
9a. Required education in other professions	Response Percent	Response Total
Dentistry	NA	299
Nursing	NA	2224
Occupational therapy	NA	565
Osteopathic medicine (DO)	NA	1324
Allopathic medicine (MD)	NA	1622
Physical therapy	NA	813
Physician assistant	NA	1593
Psychology	NA	487
Public health	NA	403
Social work	NA	813
Veterinary medicine	NA	93
Other	NA	210
Did not participate in any required interprofessional education activities	NA	920

Indicate the degree to which you agree or disagree with these statements.

	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.	32.2% (1359)	45.7% (1932)	4.6% (193)	1.4% (60)	16.1% (682)

Section II: Professional Competencies/Outcomes

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
The Pharm.D. Program prepared me to...					
10. communicate with health care providers.	44.1% (1864)	50.8% (2148)	3.3% (140)	1.0% (44)	0.7% (30)
11. communicate with patients and caregivers.	51.1% (2158)	46.0% (1945)	1.8% (77)	0.7% (28)	0.4% (18)
12. gather and use specific information (e.g., patient histories, medical records) to identify patient medication-related problems.	51.9% (2192)	45.7% (1930)	1.5% (62)	0.6% (25)	0.4% (17)
13. develop a patient care plan to manage each medication-related problem.	47.5% (2006)	49.5% (2090)	1.9% (82)	0.7% (30)	0.4% (18)
14. work with the health care team to implement the patient care plan.	40.7% (1722)	52.5% (2220)	5.0% (212)	1.1% (45)	0.6% (27)
15. document pharmaceutical care activities.	41.8% (1767)	52.9% (2234)	3.8% (161)	0.7% (30)	0.8% (34)
16. interpret epidemiologic data relevant to specific diseases and their management.	30.2% (1278)	57.2% (2417)	8.9% (378)	1.6% (69)	2.0% (84)
17. interpret economic data relevant to treatment of disease.	23.2% (982)	55.3% (2335)	15.5% (656)	3.0% (126)	3.0% (127)
18. manage the system of medication use to affect patients.	36.8% (1554)	56.8% (2399)	3.6% (153)	1.0% (44)	1.8% (76)
19. identify and use risk reduction strategies to minimize medication errors.	37.5% (1583)	55.8% (2359)	4.6% (193)	1.2% (51)	0.9% (40)
20. provide patient care in accordance with legal, ethical, social, economic, and professional guidelines.	44.2% (1869)	52.7% (2229)	1.8% (76)	0.6% (25)	0.6% (27)
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.	35.5% (1500)	56.2% (2377)	5.6% (237)	1.2% (50)	1.5% (62)
22. interpret and apply drug use policy and health policy.	31.0% (1311)	58.8% (2483)	7.4% (312)	1.1% (45)	1.8% (75)
23. work with other stakeholders (e.g., patients and other health professionals) to identify and resolve problems related to medication use.	37.1% (1568)	56.6% (2390)	4.3% (180)	0.9% (40)	1.1% (48)
24. promote wellness and disease prevention services.	44.8% (1893)	51.6% (2180)	2.2% (93)	0.8% (33)	0.6% (27)
25. practice pharmacy in interprofessional and collaborative practice settings.	43.9% (1854)	51.1% (2158)	3.6% (152)	0.9% (36)	0.6% (26)
26. search the health sciences literature.	48.9% (2065)	47.6% (2011)	2.1% (89)	0.9% (39)	0.5% (22)
27. evaluate the health sciences literature.	45.1% (1904)	50.0% (2115)	3.1% (133)	1.2% (51)	0.5% (23)
28. reflect critically on personal skills and actions and make plans to improve when necessary.	42.5% (1794)	53.3% (2253)	2.9% (121)	0.8% (34)	0.6% (24)
29. accept and respond to constructive feedback.	44.1% (1864)	51.6% (2179)	2.7% (112)	0.9% (38)	0.8% (33)

SECTION III: Doctor of Pharmacy Curriculum

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
30. The sequence of courses was appropriate to build my knowledge and skills.	29.2% (1232)	57.2% (2416)	10.7% (453)	2.4% (101)	0.6% (24)
31. I developed the skills needed to prepare me for continued learning after graduation.	38.0% (1607)	55.8% (2356)	4.3% (183)	0.9% (37)	1.0% (43)
32. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	43.0% (1816)	52.7% (2226)	2.9% (124)	0.8% (35)	0.6% (25)
33. I was encouraged to ask questions in class.	36.8% (1556)	52.8% (2233)	7.2% (304)	1.8% (74)	1.4% (59)
34. Pharmacy-related elective courses met my needs as a Pharm.D. student.	32.1% (1358)	51.1% (2160)	11.6% (489)	3.4% (142)	1.8% (77)
35. Course loads were reasonable.	27.1% (1147)	60.8% (2571)	8.8% (370)	2.5% (107)	0.7% (31)
36. The program included opportunities to develop professional attitudes, ethics and behaviors.	40.2% (1698)	53.8% (2275)	4.0% (169)	1.3% (53)	0.7% (31)

SECTION IV: Pharmacy Practice Experiences

Indicate the degree to which you agree or disagree with these statements.					
	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.	26.8% (1134)	52.0% (2198)	15.4% (651)	4.5% (190)	1.3% (53)
38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	26.2% (1107)	51.3% (2168)	16.9% (715)	4.2% (178)	1.4% (58)
39. The sites available for introductory pharmacy practice experiences were of high quality.	24.3% (1027)	56.1% (2372)	13.4% (567)	3.7% (155)	2.5% (105)
40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair.	27.1% (1144)	57.7% (2437)	7.8% (330)	3.4% (142)	4.1% (173)
41. In the community pharmacy setting, I was able to apply my patient care skills.	43.5% (1838)	47.1% (1992)	6.3% (266)	2.1% (89)	1.0% (41)
42. In the ambulatory care setting, I was able to apply my patient care skills.	53.9% (2277)	40.6% (1716)	3.0% (128)	1.3% (54)	1.2% (51)
43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills.	45.0% (1903)	46.9% (1980)	5.7% (241)	1.5% (65)	0.9% (37)
44. In the inpatient/acute care setting, I was able to apply my patient care skills.	48.3% (2041)	46.7% (1973)	2.9% (122)	0.9% (39)	1.2% (51)
45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences.	43.3% (1828)	50.8% (2147)	4.3% (180)	0.8% (34)	0.9% (37)
46. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	40.5% (1710)	48.8% (2062)	7.4% (314)	2.6% (109)	0.7% (31)
47. I was academically prepared to enter my advanced pharmacy practice experiences.	36.0% (1520)	53.7% (2271)	7.6% (321)	1.8% (78)	0.9% (36)
48. The sites available for advanced pharmacy practice experiences were of high quality.	37.8% (1599)	52.4% (2215)	6.6% (280)	1.9% (80)	1.2% (52)
49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair.	36.3% (1533)	51.7% (2183)	7.0% (296)	3.7% (157)	1.3% (57)
50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies.	46.7% (1975)	48.7% (2058)	2.9% (121)	1.0% (42)	0.7% (30)
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.).	51.3% (2168)	46.0% (1945)	1.8% (75)	0.5% (21)	0.4% (17)
52. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	50.6% (2140)	46.6% (1971)	1.8% (77)	0.5% (21)	0.4% (17)

SECTION V: Student Services

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Did not Utilize
53. Academic advising met my needs.	22.8% (964)	47.0% (1986)	12.4% (526)	5.0% (211)	12.8% (539)
54. Career planning and guidance met my needs.	15.3% (648)	38.5% (1629)	18.0% (762)	7.5% (319)	20.5% (868)
55. Tutoring services met my needs.	12.7% (537)	29.6% (1250)	8.1% (341)	3.1% (133)	46.5% (1965)
56. Financial aid advising met my needs.	18.0% (760)	47.5% (2009)	13.0% (548)	6.7% (284)	14.8% (625)
57. Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs.	23.4% (989)	47.6% (2013)	8.2% (347)	4.9% (207)	15.9% (670)

SECTION VI: The Student Experience

Indicate the degree to which you agree or disagree with these statements.					
	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.	31.4% (1327)	57.4% (2424)	7.4% (311)	2.4% (101)	1.5% (63)
59. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	32.4% (1370)	55.9% (2362)	7.7% (326)	2.7% (115)	1.3% (53)
60. The college/school's administration responded to problems and issues of concern to the student body.	23.8% (1004)	53.5% (2259)	13.1% (555)	5.3% (226)	4.3% (182)
61. I was aware of the process for raising issues with the college/school administration.	23.8% (1007)	53.4% (2258)	13.9% (588)	4.3% (180)	4.6% (193)
62. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	31.5% (1330)	57.0% (2408)	7.1% (298)	2.5% (107)	2.0% (83)
63. The college/school of pharmacy is welcoming to students with diverse backgrounds.	43.5% (1838)	50.9% (2151)	2.3% (97)	1.4% (58)	1.9% (82)
64. The admissions process of the college/school of pharmacy was well organized.	35.1% (1484)	54.4% (2297)	4.9% (207)	2.3% (97)	3.3% (141)
65. The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration.	28.7% (1212)	52.6% (2224)	9.0% (380)	3.1% (130)	6.6% (280)
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.	34.8% (1470)	54.1% (2288)	6.6% (280)	2.3% (96)	2.2% (92)
67. Faculty, administrators and staff were committed to serving as positive role models for students.	38.8% (1640)	53.4% (2256)	4.4% (187)	1.8% (75)	1.6% (68)
68. Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences.	41.2% (1742)	54.9% (2320)	2.4% (103)	0.8% (33)	0.7% (28)
69. Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student.	39.9% (1686)	55.0% (2323)	3.5% (147)	1.0% (42)	0.7% (28)
70. I was aware of expected behaviors with respect to professional and academic conduct.	50.2% (2122)	48.1% (2032)	0.7% (31)	0.5% (20)	0.5% (21)
71. The college/school of pharmacy effectively managed academic misconduct by students.	28.0% (1185)	45.4% (1920)	8.5% (359)	5.8% (243)	12.3% (519)
72. The college/school of pharmacy effectively managed professional misconduct by students.	27.2% (1148)	46.4% (1959)	8.2% (348)	4.7% (197)	13.6% (574)
73. The college/school's administration and faculty encouraged me to participate in regional, state or national pharmacy meetings.	37.3% (1577)	52.4% (2214)	5.8% (246)	2.0% (86)	2.4% (103)
74. The college/school of pharmacy was supportive of student professional organizations.	41.5% (1753)	52.1% (2201)	2.5% (107)	1.5% (65)	2.4% (100)
75. I was aware of opportunities to participate in research activities with faculty.	27.1% (1145)	48.9% (2067)	15.2% (642)	5.0% (212)	3.8% (160)

SECTION VII: Facilities, Experiential Sites and Educational Resources

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
76. My campus learning environment was safe.	46.1% (1950)	47.8% (2021)	3.8% (162)	1.3% (55)	0.9% (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.	38.5% (1625)	50.8% (2147)	7.1% (298)	3.0% (127)	0.7% (29)
78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	36.9% (1559)	53.8% (2275)	6.2% (260)	2.1% (89)	1.0% (43)
79. The laboratories and other non-classroom environments were conducive to learning.	37.6% (1588)	55.0% (2323)	4.3% (180)	1.5% (63)	1.7% (72)
80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	33.5% (1414)	51.4% (2171)	8.5% (361)	4.7% (200)	1.9% (80)
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.	30.5% (1289)	49.8% (2104)	11.9% (505)	5.8% (245)	2.0% (83)
82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) was conducive to learning.	40.4% (1708)	51.4% (2172)	4.7% (199)	2.4% (102)	1.1% (45)
83. During pharmacy practice experiences access to educational resources (e.g. library, electronic data bases, drug information center) was conducive to learning.	42.6% (1802)	51.1% (2159)	3.7% (158)	1.8% (76)	0.7% (31)

SECTION VIII: Overall Impressions

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
84. I am prepared to enter pharmacy practice.	37.2% (1570)	56.3% (2380)	4.6% (195)	0.8% (35)	1.1% (46)
85. If I were starting my college career over again I would choose to study pharmacy.	38.8% (1639)	43.1% (1820)	10.4% (440)	4.0% (168)	3.8% (159)
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.)	32.6% (1379)	45.0% (1900)	12.2% (516)	6.2% (262)	4.0% (169)
87. I would recommend a career in pharmacy to a friend or relative.	32.8% (1387)	44.4% (1875)	13.7% (581)	4.8% (201)	4.3% (182)