

**GRADUATING PHARMACY STUDENT SURVEY
PUBLIC SCHOOL SUMMARY REPORT - 2012**

Total number of schools: 57

Total number of responses: 4,466

Part A. Demographic Information

1. Gender

	Response Percent	Response Total
Male	39.2%	1749
Female	60.8%	2717

2. Age

	Response Percent	Response Total
25 or under	47.2%	2109
26-30	39.1%	1746
31-35	8.4%	373
36 or older	5.3%	238

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

	Response Percent	Response Total
Community pharmacy	NA	3247
Institutional pharmacy	NA	818
Other pharmacy related	NA	320
Non-Pharmacy related	NA	336
I did not work	NA	433

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	31.2%	1394
Less than 10 hours	34.8%	1552
10 to less than 15 hours	14.9%	667
15 to less than 20 hours	8.9%	398
20 to less than 30 hours	4.1%	184
30 or more hours	1.2%	55
No Answer	4.8%	216

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	16.7%	747
Less than 10 hours	24.0%	1072
10 to less than 15 hours	23.6%	1052
15 to less than 20 hours	17.5%	781
20 to less than 30 hours	9.3%	415
30 or more hours	4.1%	183
No Answer	4.8%	216

	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	1860
Associate's	NA	507
B.S., B.A. or Other Bachelor's	NA	2173
MBA	NA	15
Master's (other than MBA)	NA	119
JD or Other Law	NA	3
Ph.D.	NA	10
M.D., D.D.S. or other Professional Doctorate	NA	9
Other Doctorate	NA	3
5. Dual degree program participated in while completing Doctor of Pharmacy program		
Did not participate in a dual degree program	97.4%	4348
Pharm.D./Ph.D.	0.2%	11
Pharm.D./MBA	1.0%	45
Pharm.D./M.S.	0.1%	6
Pharm.D./JD	0.1%	3
Pharm.D./M.P.H.	0.4%	17
Other	0.8%	36
5a. Estimated time of completion of Dual degree program		
No Answer	2.6%	116
Did not participate in a dual degree program	94.8%	4232
Already completed	0.4%	16
Less than 1 year	0.1%	4
1 year	0.3%	15
2 years	0.8%	34
3 years	0.5%	24
4 years	0.3%	14
5 years	0.0%	2
More than 5 years	0.2%	9
6. Learning environment/configuration of curriculum		
Traditional program (4 professional years)	99.3%	4434
Accelerated program (3 professional years; year-round classes)	0.7%	32
7. Enrolled learning environment		
Main campus	88.7%	3963
Distance/Satellite/Branch campus (enter city, state)	11.2%	499
Web-based program	0.1%	4
8. Current plans upon your graduation from the college/school of pharmacy		
Employment		
Community Pharmacist -- Chain	NA	2395
Community Pharmacist -- Independent	NA	612
Hospital Pharmacist	NA	1385
Long-term Care Pharmacist	NA	250
Managed Care Pharmacist	NA	147
Pharmaceutical Industry	NA	167
Pharmacist - Armed services or Regulator Agency	NA	112
Pharmacist - Other Government	NA	184
Professional Association	NA	45
Other Pharmacy Related Field	NA	349
Non - Pharmacy Related Field	NA	29
No Plans for Employment in the coming year	NA	205

Further Education	Response Percent	Response Total
Pharmacy Residency Program	NA	1165
Dual Pharmacy Residency - Master's Program	NA	41
Pharmacy Master's Program	NA	32
Pharmacy Ph.D. Program	NA	38
MBA Program	NA	252
JD or Other Law Program	NA	42
Other Health Professions (M.D., D.D.S., D.V.M., etc.)	NA	71
Other Non-Pharmacy Master's Program	NA	57
Non-Pharmacy Ph.D. Program	NA	14
Fellowship	NA	83
No Plans for Further Education in the coming year	NA	2059
8a. Borrowed money to help pay for your college expenses in the Pharm.D. degree program	Response Percent	Response Total
Yes	87.6%	3911
No	12.4%	555
Average amount borrowed (public schools): \$103,829		
Median amount borrowed (public schools): \$100,000		

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?	Response Percent	Response Total
Lectures	NA	3030
Patient-centered case problems	NA	2828
Clinical simulations	NA	2468
Active engagement with patients	NA	2635
Community projects, service learning	NA	2498
Team skills training	NA	1876
Online coursework	NA	1628
Clinical Labs	NA	2107
IPPE	NA	2999
APPE	NA	3756
Research or Capstone projects	NA	1078
Other	NA	87
Did not participate in any required interprofessional education activities	NA	194
9a. With which other professions students have you had the opportunity to participate or interact in required educational activities as indicated above?	Response Percent	Response Total
Dentistry	NA	697
Nursing	NA	2960
Occupational therapy	NA	545
Osteopathic medicine (DO)	NA	1034
Allopathic medicine (MD)	NA	2464
Physical therapy	NA	985
Physician assistant	NA	1480
Psychology	NA	450
Public health	NA	580
Social work	NA	1136
Veterinary medicine	NA	133
Other	NA	271
Did not participate in any required interprofessional education activities	NA	634

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.	35.0% (1564)	47.0% (2101)	4.5% (199)	1.8% (82)	11.6% (520)

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.	45.9% (2051)	50.7% (2265)	2.6% (115)	0.5% (24)	0.2% (11)
11. communicate with patients and caregivers.	55.6% (2482)	42.8% (1913)	1.1% (47)	0.4% (16)	0.2% (8)
12. gather and use specific information (e.g., patient histories, medical records) to identify patient medication-related problems.	58.7% (2621)	39.6% (1769)	1.1% (51)	0.4% (17)	0.2% (8)
13. develop a patient care plan to manage each medication-related problem.	53.7% (2398)	44.4% (1983)	1.3% (59)	0.3% (15)	0.2% (11)
14. work with the health care team to implement the patient care plan.	42.6% (1903)	51.8% (2313)	4.3% (190)	0.7% (33)	0.6% (27)
15. document pharmaceutical care activities.	44.3% (1977)	51.0% (2276)	3.4% (152)	0.8% (37)	0.5% (24)
16. interpret epidemiologic data relevant to specific diseases and their management.	30.5% (1361)	58.5% (2611)	8.0% (358)	1.3% (58)	1.7% (78)
17. interpret economic data relevant to treatment of disease.	21.8% (975)	57.1% (2552)	15.6% (697)	2.6% (115)	2.8% (127)
18. manage the system of medication use to affect patients.	36.7% (1637)	56.0% (2499)	4.4% (198)	0.7% (33)	2.2% (99)
19. identify and use risk reduction strategies to minimize medication errors.	37.2% (1661)	56.3% (2515)	4.9% (218)	0.6% (29)	1.0% (43)
20. provide patient care in accordance with legal, ethical, social, economic, and professional guidelines.	49.0% (2188)	48.7% (2173)	1.6% (72)	0.3% (12)	0.5% (21)
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.	37.6% (1680)	55.8% (2494)	4.4% (195)	0.9% (38)	1.3% (59)
22. interpret and apply drug use policy and health policy.	30.4% (1357)	60.1% (2683)	7.0% (314)	0.8% (37)	1.7% (75)
23. work with other stakeholders (e.g., patients and other health professionals) to identify and resolve problems related to medication use.	39.9% (1780)	55.6% (2484)	3.1% (138)	0.6% (27)	0.8% (37)
24. promote wellness and disease prevention services.	49.1% (2191)	48.3% (2158)	1.6% (73)	0.4% (20)	0.5% (24)
25. practice pharmacy in interprofessional and collaborative practice settings.	48.9% (2182)	47.2% (2108)	2.9% (128)	0.6% (28)	0.4% (20)
26. search the health sciences literature.	56.0% (2501)	42.1% (1880)	1.3% (60)	0.4% (18)	0.2% (7)
27. evaluate the health sciences literature.	50.6% (2259)	46.2% (2063)	2.5% (112)	0.5% (22)	0.2% (10)
28. reflect critically on personal skills and actions and make plans to improve when necessary.	45.9% (2048)	50.4% (2252)	2.8% (127)	0.5% (22)	0.4% (17)
29. accept and respond to constructive feedback.	48.1% (2148)	48.1% (2150)	2.7% (121)	0.6% (29)	0.4% (18)

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.	28.6% (1276)	59.2% (2646)	10.1% (450)	1.4% (62)	0.7% (32)
31. I developed the skills needed to prepare me for continued learning after graduation.	43.4% (1939)	52.9% (2362)	2.6% (116)	0.4% (20)	0.6% (29)
32. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	49.4% (2208)	48.0% (2145)	1.9% (83)	0.4% (16)	0.3% (14)
33. I was encouraged to ask questions in class.	36.6% (1636)	53.6% (2393)	7.4% (331)	1.2% (52)	1.2% (54)
34. Pharmacy-related elective courses met my needs as a Pharm.D. student.	34.3% (1530)	51.5% (2300)	10.3% (460)	2.6% (115)	1.4% (61)
35. Course loads were reasonable.	27.3% (1218)	61.7% (2756)	8.7% (388)	1.7% (76)	0.6% (28)
36. The program included opportunities to develop professional attitudes, ethics and behaviors.	42.3% (1891)	53.1% (2370)	3.2% (145)	0.8% (36)	0.5% (24)

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.	25.3% (1132)	52.9% (2364)	16.1% (718)	4.1% (181)	1.6% (71)
38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	25.8% (1152)	52.6% (2351)	16.5% (737)	3.4% (151)	1.7% (75)
39. The sites available for introductory pharmacy practice experiences were of high quality.	26.3% (1174)	56.0% (2503)	12.0% (538)	2.6% (117)	3.0% (134)
40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair.	29.8% (1333)	56.3% (2514)	7.1% (317)	2.8% (123)	4.0% (179)
41. In the community pharmacy setting, I was able to apply my patient care skills.	44.8% (2000)	47.1% (2103)	5.4% (239)	1.5% (69)	1.2% (55)
42. In the ambulatory care setting, I was able to apply my patient care skills.	55.9% (2496)	39.0% (1740)	2.4% (106)	1.0% (45)	1.8% (79)
43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills.	45.9% (2048)	45.8% (2045)	6.1% (274)	1.4% (61)	0.9% (38)
44. In the inpatient/acute care setting, I was able to apply my patient care skills.	50.5% (2255)	44.0% (1964)	3.0% (134)	0.8% (34)	1.8% (79)
45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences.	43.9% (1960)	49.9% (2229)	4.7% (210)	0.8% (34)	0.7% (33)
46. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	44.2% (1972)	46.9% (2095)	6.5% (289)	1.7% (77)	0.7% (33)
47. I was academically prepared to enter my advanced pharmacy practice experiences.	39.7% (1771)	53.5% (2391)	5.2% (232)	1.0% (43)	0.6% (29)
48. The sites available for advanced pharmacy practice experiences were of high quality.	42.3% (1891)	50.3% (2246)	5.4% (239)	1.2% (54)	0.8% (36)
49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair.	40.3% (1801)	49.0% (2187)	6.5% (290)	3.0% (133)	1.2% (55)
50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies.	52.2% (2331)	44.6% (1992)	2.2% (97)	0.6% (26)	0.4% (20)
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.).	54.9% (2451)	42.7% (1906)	1.8% (79)	0.4% (18)	0.3% (12)
52. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	54.8% (2448)	43.2% (1930)	1.3% (58)	0.3% (13)	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.	22.9% (1023)	44.5% (1989)	10.4% (463)	3.4% (150)	18.8% (841)
54. Career planning and guidance met my needs.	14.8% (659)	38.0% (1696)	15.7% (700)	5.5% (245)	26.1% (1166)
55. Tutoring services met my needs.	10.5% (471)	25.0% (1116)	7.4% (330)	2.5% (113)	54.5% (2436)
56. Financial aid advising met my needs.	17.2% (769)	45.5% (2032)	11.0% (490)	4.2% (186)	22.1% (989)
57. Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs.	25.5% (1141)	51.2% (2288)	5.3% (235)	2.1% (93)	15.9% (709)

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.	36.1% (1610)	55.6% (2481)	6.0% (266)	1.5% (65)	1.0% (44)
59. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	38.2% (1707)	53.6% (2396)	5.9% (262)	1.2% (54)	1.1% (47)
60. The college/school's administration responded to problems and issues of concern to the student body.	27.8% (1242)	54.6% (2437)	10.6% (474)	3.3% (148)	3.7% (165)
61. I was aware of the process for raising issues with the college/school administration.	26.7% (1194)	54.8% (2447)	12.4% (554)	2.3% (102)	3.8% (169)
62. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	36.1% (1610)	56.3% (2516)	5.2% (231)	1.4% (62)	1.1% (47)
63. The college/school of pharmacy is welcoming to students with diverse backgrounds.	46.2% (2063)	48.9% (2182)	2.1% (96)	1.2% (55)	1.6% (70)
64. The admissions process of the college/school of pharmacy was well organized.	39.2% (1749)	52.0% (2323)	5.0% (223)	1.3% (58)	2.5% (113)
65. The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration.	31.0% (1386)	52.4% (2338)	7.9% (354)	2.3% (101)	6.4% (287)
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.	38.4% (1715)	53.1% (2371)	5.3% (238)	1.4% (61)	1.8% (81)
67. Faculty, administrators and staff were committed to serving as positive role models for students.	41.1% (1835)	52.0% (2324)	4.5% (199)	1.3% (56)	1.2% (52)
68. Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences.	44.5% (1989)	52.3% (2334)	2.1% (96)	0.6% (26)	0.5% (21)
69. Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student.	43.3% (1934)	52.2% (2331)	3.0% (136)	0.7% (31)	0.8% (34)
70. I was aware of expected behaviors with respect to professional and academic conduct.	54.3% (2427)	44.5% (1987)	0.6% (25)	0.3% (14)	0.3% (13)
71. The college/school of pharmacy effectively managed academic misconduct by students.	28.5% (1271)	43.9% (1962)	9.0% (403)	4.1% (182)	14.5% (648)
72. The college/school of pharmacy effectively managed professional misconduct by students.	27.9% (1246)	44.2% (1973)	9.0% (403)	3.6% (161)	15.3% (683)
73. The college/school's administration and faculty encouraged me to participate in regional, state or national pharmacy meetings.	40.8% (1824)	50.6% (2261)	5.5% (244)	1.0% (46)	2.0% (91)
74. The college/school of pharmacy was supportive of student professional organizations.	47.7% (2130)	48.5% (2165)	1.5% (69)	0.4% (20)	1.8% (82)
75. I was aware of opportunities to participate in research activities with faculty.	29.4% (1313)	47.7% (2132)	15.8% (704)	3.5% (157)	3.6% (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.	47.8% (2134)	47.6% (2127)	3.2% (143)	0.8% (34)	0.6% (28)
77. The computer and other information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning.	42.0% (1877)	49.8% (2226)	6.0% (269)	1.4% (63)	0.7% (31)
78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	40.0% (1785)	52.3% (2334)	6.1% (271)	1.1% (50)	0.6% (26)
79. The laboratories and other non-classroom environments were conducive to learning.	40.9% (1826)	53.0% (2369)	4.3% (192)	1.1% (50)	0.6% (29)
80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	38.6% (1722)	51.3% (2291)	6.9% (306)	1.9% (87)	1.3% (60)
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.	37.4% (1671)	50.8% (2268)	8.1% (363)	2.1% (95)	1.5% (69)
82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) was conducive to learning.	48.1% (2147)	47.9% (2141)	2.3% (104)	0.9% (39)	0.8% (35)
83. During pharmacy practice experiences access to educational resources (e.g. library, electronic data bases, drug information center) was conducive to learning.	47.9% (2139)	48.5% (2165)	2.2% (100)	0.9% (38)	0.5% (24)

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.	43.0% (1919)	53.3% (2379)	2.6% (114)	0.4% (18)	0.8% (36)
85. If I were starting my college career over again I would choose to study pharmacy.	42.7% (1907)	39.1% (1745)	10.0% (446)	3.4% (152)	4.8% (216)
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.)	47.2% (2106)	40.8% (1822)	5.7% (253)	3.0% (133)	3.4% (152)
87. I would recommend a career in pharmacy to a friend or relative.	36.8% (1644)	41.5% (1852)	13.2% (589)	3.7% (166)	4.8% (215)