

**GRADUATING PHARMACY STUDENT SURVEY
 2009 SUMMARY REPORT – PUBLIC SCHOOLS**

Total number of schools: 50

Total number of responses: 3,521

Part A. Demographic Information

	Response Percent	Response Total
1. Gender		
Male	35.2%	1240
Female	64.8%	2281
2. Age		
25 or under	57.3%	2018
26-30	30.0%	1057
31-35	7.6%	267
36 or older	5.1%	179
3. Primary area of paid outside work experiences while in school		
Community pharmacy	NA	2858
Institutional pharmacy	NA	602
Other pharmacy related	NA	260
Non-Pharmacy related	NA	231
I did not work	NA	178
3a. Hours worked per week if paid for outside work during your final professional year		
I did not work during my final professional year	29.3%	1033
Less than 10 hours	35.6%	1254
10 to less than 15 hours	17.1%	603
15 to less than 20 hours	9.8%	346
20 to less than 30 hours	4.2%	149
30 or more hours	1.2%	44
No Answer	2.6%	92
3b. Hours worked per week if paid for outside work during the academic year immediately prior to final professional year		
I did not work during the academic year immediately prior to my final professional year	16.7%	588
Less than 10 hours	22.6%	796
10 to less than 15 hours	25.2%	887
15 to less than 20 hours	18.9%	666
20 to less than 30 hours	9.4%	331
30 or more hours	4.3%	151
No Answer	2.9%	102

4. College degrees earned prior to entering Doctor of Pharmacy program	Response Percent	Response Total
Did not have a degree prior to entering program	NA	1928
Associate's	NA	319
BS, BA or Other Bachelor's	NA	1323
MBA	NA	12
Master's (other than MBA)	NA	82
JD or Other Law	NA	0
PhD	NA	8
MD, DDS or other Professional Doctorate	NA	8
Other Doctorate	NA	3
5. Dual degree program participated in while completing Doctor of Pharmacy program	Response Percent	Response Total
Did not participate in a dual degree program	97.3%	3427
PharmD/PhD	0.3%	9
PharmD/MBA	1.0%	34
PharmD/MS	0.2%	7
PharmD/JD	0.0%	1
PharmD/MPH	0.3%	12
Other	0.9%	31
6. Learning environment/configuration of curriculum	Response Percent	Response Total
Traditional program (4 professional years)	98.8%	3478
Accelerated program (3 professional years; year-round classes)	1.2%	43
7. Enrolled learning environment	Response Percent	Response Total
Main campus	90.7%	3192
Branch campus (enter city and state)	5.8%	205
Satellite campus (enter city and state)	3.5%	123
Web-based program	0.0%	1
8. Current plans upon your graduation from the college/school of pharmacy	Response Percent	Response Total
Employment		
Community Pharmacist -- Chain	NA	2182
Community Pharmacist -- Independent	NA	343
Hospital Pharmacist	NA	833
Long-term Care Pharmacist	NA	129
Managed Care Pharmacist	NA	65
Pharmaceutical Industry	NA	81
Pharmacist - Armed services or Regulator Agency	NA	52
Pharmacist - Other Government	NA	111
Professional Association	NA	19
Other Pharmacy Related Field	NA	257
Non - Pharmacy Related Field	NA	13
No Plans for Employment in the coming year	NA	76

Further Education	Response Percent	Response Total
Pharmacy Residency Program	NA	783
Dual Pharmacy Residency - Master's Program	NA	18
Pharmacy Master's Program	NA	15
Pharmacy PhD Program	NA	20
MBA Program	NA	166
JD or Other Law Program	NA	38
Other Health Professions (MD, DDS, DVM, etc.)	NA	47
Other Non-Pharmacy Master's Program	NA	39
Non-Pharmacy PhD Program	NA	8
Fellowship	NA	52
No Plans for Further Education in the coming year	NA	1765
9. Borrowed money to help pay for your college expenses	Response Percent	Response Total
Yes	85.0%	2992
No	15.0%	529
Average amount borrowed: \$85,410		
Median amount borrowed: \$80,000		

Section I: 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 PharmD Program prepared me to...					
10. communicate with health care providers.	48.5% (1706)	48.7% (1715)	2.3% (82)	0.4% (14)	0.1% (4)
11. communicate with patients and caregivers.	53.8% (1894)	44.5% (1567)	1.4% (49)	0.2% (8)	0.1% (3)
12. gather and use specific information (e.g., patient histories, medical records) to identify patient medication-related problems.	54.7% (1925)	43.8% (1542)	1.2% (42)	0.3% (9)	0.1% (3)
13. develop a patient care plan to manage each medication-related problem.	50.4% (1775)	47.3% (1665)	1.7% (61)	0.3% (10)	0.3% (10)
14. work with the health care team to implement the patient care plan.	42.9% (1510)	52.3% (1842)	4.1% (146)	0.4% (13)	0.3% (10)
15. document pharmaceutical care activities.	42.1% (1484)	52.8% (1858)	4.1% (145)	0.5% (17)	0.5% (17)
16. interpret epidemiologic data relevant to specific diseases and their management.	32.8% (1155)	56.5% (1990)	8.4% (297)	0.9% (31)	1.4% (48)
17. interpret economic data relevant to treatment of disease.	23.1% (813)	55.6% (1959)	16.4% (578)	2.1% (75)	2.7% (96)
18. manage the system of medication use to affect patients.	37.7% (1328)	55.5% (1954)	4.2% (147)	0.5% (17)	2.1% (75)
19. identify and use risk reduction strategies to minimize medication errors.	37.4% (1318)	54.8% (1931)	6.1% (216)	0.5% (17)	1.1% (39)
20. provide patient care in accordance with legal, ethical, social, economic, and professional guidelines.	48.1% (1695)	49.5% (1743)	1.9% (68)	0.2% (6)	0.3% (9)
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.	39.4% (1387)	54.7% (1927)	4.7% (166)	0.5% (16)	0.7% (25)
22. interpret and apply drug use policy and health policy.	31.7% (1115)	59.9% (2108)	6.4% (224)	0.6% (20)	1.5% (54)
23. work with other stakeholders (e.g., patients and other health professionals) to identify and resolve problems related to medication use.	41.5% (1462)	54.6% (1922)	3.1% (109)	0.3% (12)	0.5% (16)
24. promote wellness and disease prevention services.	49.1% (1728)	48.7% (1713)	1.8% (62)	0.2% (8)	0.3% (10)
25. practice pharmacy in interprofessional and collaborative practice settings.	47.7% (1679)	48.5% (1707)	3.0% (106)	0.4% (13)	0.5% (16)
26. search the health sciences literature.	54.9% (1934)	42.4% (1492)	2.2% (77)	0.4% (13)	0.1% (5)
27. evaluate the health sciences literature.	49.1% (1728)	46.4% (1633)	3.8% (133)	0.6% (20)	0.2% (7)
28. reflect critically on personal skills and actions and make plans to improve when necessary.	44.7% (1574)	50.7% (1786)	3.6% (128)	0.5% (19)	0.4% (14)
29. accept and respond to constructive feedback.	47.0% (1656)	48.5% (1708)	3.2% (112)	0.7% (26)	0.5% (19)

SECTION II: 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.	28.7% (1012)	58.8% (2071)	10.8% (382)	1.3% (46)	0.3% (10)
31. I developed the skills needed to prepare me for continued learning after graduation.	42.6% (1499)	54.1% (1906)	2.5% (88)	0.3% (10)	0.5% (18)
32. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities).	46.5% (1636)	49.8% (1754)	2.8% (98)	0.5% (18)	0.4% (15)
33. I was encouraged to ask questions in class.	35.7% (1256)	53.8% (1893)	8.3% (292)	1.4% (48)	0.9% (32)
34. Pharmacy-related elective courses met my needs as a Pharm.D. student.	31.5% (1109)	49.4% (1739)	13.4% (472)	3.5% (123)	2.2% (78)
35. Course loads were reasonable.	27.3% (962)	62.3% (2194)	8.1% (284)	1.6% (58)	0.7% (23)
36. The program included opportunities to develop professional attitudes, ethics and behaviors.	43.2% (1521)	52.0% (1831)	3.3% (116)	0.8% (28)	0.7% (25)

SECTION III: 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.	23.5% (828)	47.9% (1687)	17.2% (604)	4.0% (140)	7.4% (262)
38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings.	22.3% (786)	46.5% (1637)	19.8% (697)	3.7% (130)	7.7% (271)
39. The sites available for introductory pharmacy practice experiences were of high quality.	23.0% (809)	50.3% (1771)	14.0% (492)	2.8% (99)	9.9% (350)
40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair.	25.8% (907)	52.2% (1838)	7.5% (264)	3.0% (107)	11.5% (405)
41. In the community pharmacy setting, I was able to apply my patient care skills.	42.3% (1489)	47.1% (1657)	7.0% (248)	2.2% (77)	1.4% (50)
42. In the ambulatory care setting, I was able to apply my patient care skills.	52.7% (1854)	41.1% (1446)	2.7% (95)	1.1% (40)	2.4% (86)
43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills.	43.3% (1523)	45.9% (1617)	7.6% (269)	2.2% (77)	1.0% (35)
44. In the inpatient/acute care setting, I was able to apply my patient care skills.	48.8% (1718)	44.2% (1557)	4.1% (144)	1.0% (35)	1.9% (67)
45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences.	41.5% (1461)	50.8% (1788)	5.8% (204)	0.7% (23)	1.3% (45)
46. The variety of the available advanced pharmacy practice experience electives met my needs as a student.	41.8% (1472)	47.7% (1680)	7.4% (260)	2.5% (87)	0.6% (22)
47. I was academically prepared to enter my advanced pharmacy practice experiences.	37.9% (1336)	55.2% (1943)	5.3% (186)	0.9% (31)	0.7% (25)
48. The sites available for advanced pharmacy practice experiences were of high quality.	37.5% (1322)	53.3% (1876)	6.7% (235)	1.5% (53)	1.0% (35)
49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair.	36.6% (1289)	51.2% (1802)	6.7% (235)	4.0% (142)	1.5% (53)
50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies.	47.4% (1670)	48.3% (1700)	3.0% (104)	0.8% (27)	0.6% (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.).	53.0% (1867)	44.1% (1553)	2.3% (82)	0.3% (9)	0.3% (10)

Indicate the degree to which you agree or disagree with these statements.					
	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
52. My pharmacy practice experiences allowed me to collaborate with other health care professionals.	54.9% (1933)	42.7% (1502)	1.9% (66)	0.4% (13)	0.2% (7)

SECTION IV: 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% (806)	42.9% (1510)	12.1% (425)	4.5% (160)	17.6% (620)
54. Career planning and guidance met my needs.	17.2% (604)	37.0% (1302)	15.3% (538)	5.3% (187)	25.3% (890)
55. Tutoring services met my needs.	11.6% (410)	23.7% (836)	7.5% (265)	2.8% (99)	54.3% (1911)
56. Financial aid advising met my needs.	17.3% (608)	41.8% (1472)	12.1% (425)	5.5% (192)	23.4% (824)
57. Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs.	27.3% (962)	50.0% (1762)	5.7% (201)	2.7% (95)	14.2% (501)

SECTION V: 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.	36.0% (1268)	55.6% (1959)	5.9% (206)	1.6% (56)	0.9% (32)
59. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school).	37.8% (1330)	53.5% (1882)	6.4% (224)	1.3% (46)	1.1% (39)
60. The college/school's administration responded to problems and issues of concern to the student body.	26.8% (944)	54.2% (1907)	10.7% (378)	4.4% (156)	3.9% (136)
61. I was aware of the process for raising issues with the college/school administration.	25.7% (905)	54.4% (1915)	13.4% (472)	2.3% (82)	4.2% (147)
62. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters.	34.9% (1228)	56.7% (1996)	5.4% (190)	1.7% (59)	1.4% (48)
63. The college/school of pharmacy is welcoming to students with diverse backgrounds.	46.0% (1620)	47.8% (1684)	2.6% (93)	1.1% (40)	2.4% (84)
64. The admissions process of the college/school of pharmacy was well organized.	36.1% (1272)	52.7% (1856)	5.8% (205)	2.2% (78)	3.1% (110)
65. The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration.	31.2% (1097)	51.4% (1810)	7.9% (277)	3.3% (115)	6.3% (222)
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.	37.6% (1323)	52.2% (1839)	6.7% (235)	1.9% (67)	1.6% (57)
67. Faculty, administrators and staff were committed to serving as positive role models for students.	38.5% (1357)	53.5% (1883)	5.1% (178)	1.6% (55)	1.4% (48)
68. Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences.	42.5% (1497)	53.8% (1893)	2.4% (83)	0.9% (32)	0.5% (16)
69. Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student.	40.5% (1427)	53.9% (1898)	4.0% (142)	1.0% (35)	0.5% (19)
70. I was aware of expected behaviors with respect to professional and academic conduct.	54.5% (1918)	44.3% (1561)	0.6% (22)	0.4% (13)	0.2% (7)
71. The college/school of pharmacy effectively managed academic misconduct by students.	26.5% (934)	41.8% (1473)	10.0% (352)	5.5% (192)	16.2% (570)

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

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
72. The college/school of pharmacy effectively managed professional misconduct by students.	25.1% (885)	42.3% (1490)	9.9% (350)	4.9% (171)	17.8% (625)
73. The college/school's administration and faculty encouraged me to participate in regional, state or national pharmacy meetings	40.3% (1419)	48.8% (1718)	6.6% (233)	1.5% (54)	2.8% (97)
74. The college/school of pharmacy was supportive of student professional organizations.	49.0% (1727)	46.3% (1629)	1.8% (63)	0.9% (30)	2.0% (72)
75. I was aware of opportunities to participate in research activities with faculty.	25.9% (911)	45.3% (1594)	19.3% (681)	4.6% (161)	4.9% (174)

SECTION VI: 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.	44.4% (1563)	49.6% (1748)	3.7% (131)	1.4% (48)	0.9% (31)
77. The computer and other information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning.	41.5% (1462)	50.6% (1780)	6.1% (215)	1.3% (47)	0.5% (17)
78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning.	34.3% (1209)	53.9% (1898)	9.4% (332)	2.0% (69)	0.4% (13)
79. The laboratories and other non-classroom environments were conducive to learning.	35.7% (1257)	56.4% (1987)	5.5% (193)	1.7% (61)	0.7% (23)
80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning.	35.7% (1257)	51.9% (1826)	8.8% (309)	2.4% (85)	1.2% (44)
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.	33.8% (1190)	51.7% (1819)	10.4% (366)	3.0% (105)	1.2% (41)
82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) was conducive to learning.	47.0% (1654)	48.9% (1721)	2.8% (99)	0.9% (32)	0.4% (15)
83. During pharmacy practice experiences access to educational resources (e.g. library, electronic data bases, drug information center) was conducive to learning.	44.9% (1581)	50.5% (1779)	3.2% (112)	0.9% (31)	0.5% (18)

SECTION VII: 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.	41.0% (1442)	55.0% (1937)	2.6% (92)	0.5% (18)	0.9% (32)
85. If I were starting my college career over again I would choose to study pharmacy.	49.2% (1732)	39.7% (1399)	5.9% (206)	1.8% (64)	3.4% (120)
86. If I were starting my pharmacy program over again I would choose the same college/school of pharmacy.	49.2% (1734)	37.0% (1304)	7.2% (253)	3.4% (119)	3.2% (111)
87. I would recommend a career in pharmacy to a friend or relative.	53.1% (1870)	40.6% (1430)	3.8% (133)	0.9% (31)	1.6% (57)