

**PHARMACY GRADUATING STUDENT SURVEY
 PRIVATE SCHOOL SUMMARY REPORT - 2010**

Total number of schools: 39
Total number of responses: 3,306

Part A. Demographic Information

| | | |
|---|-----------------------------|---------------------------|
| 1. Gender | Response Percent | Response Total |
| Male | 32.9% | 1088 |
| Female | 67.1% | 2218 |
| 2. Age | Response Percent | Response Total |
| 25 or under | 54.1% | 1789 |
| 26-30 | 33.5% | 1106 |
| 31-35 | 7.2% | 238 |
| 36 or older | 5.2% | 173 |
| 3. Primary area of paid outside work experiences while in school | Response Percent | Response Total |
| Community pharmacy | NA | 2624 |
| Institutional pharmacy | NA | 635 |
| Other pharmacy related | NA | 158 |
| Non-Pharmacy related | NA | 181 |
| I did not work | NA | 238 |
| 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 | 23.1% | 765 |
| Less than 10 hours | 35.1% | 1162 |
| 10 to less than 15 hours | 19.2% | 634 |
| 15 to less than 20 hours | 12.0% | 398 |
| 20 to less than 30 hours | 5.2% | 172 |
| 30 or more hours | 1.8% | 59 |
| No Answer | 3.5% | 116 |

| 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 | 16.2% | 534 |
| Less than 10 hours | 25.6% | 847 |
| 10 to less than 15 hours | 23.6% | 779 |
| 15 to less than 20 hours | 17.3% | 572 |
| 20 to less than 30 hours | 8.9% | 293 |
| 30 or more hours | 4.5% | 150 |
| No Answer | 4.0% | 131 |
| 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 | 1677 |
| Associate's | NA | 303 |
| B.S., B.A. or Other Bachelor's | NA | 1359 |
| MBA | NA | 10 |
| Master's (other than MBA) | NA | 79 |
| JD or Other Law | NA | 1 |
| Ph.D. | NA | 8 |
| M.D., D.D.S. or other Professional Doctorate | NA | 6 |
| Other Doctorate | NA | 4 |
| 5. Dual degree program participated in while completing Doctor of Pharmacy program | Response Percent | Response Total |
| Did not participate in a dual degree program | 96.0% | 3173 |
| Pharm.D./Ph.D. | 0.4% | 13 |
| Pharm.D./MBA | 1.5% | 51 |
| Pharm.D./M.S. | 0.7% | 22 |
| Pharm.D./JD | 0.0% | 1 |
| Pharm.D./M.P.H. | 0.1% | 3 |
| Other | 1.3% | 43 |
| 6. Learning environment/configuration of curriculum | Response Percent | Response Total |
| Traditional program (4 professional years) | 83.4% | 2757 |
| Accelerated program (3 professional years; year-round classes) | 16.6% | 549 |
| 7. Enrolled learning environment | Response Percent | Response Total |
| Main campus | 87.8% | 2902 |
| Branch campus (enter city and state) | 8.4% | 278 |
| Satellite campus (enter city and state) | 2.2% | 74 |
| Web-based program | 1.6% | 52 |

**8. Current plans upon your graduation from the college/school of pharmacy
Employment**

| | Response Percent | Response Total |
|---|-------------------------|-----------------------|
| Community Pharmacist -- Chain | NA | 2176 |
| Community Pharmacist -- Independent | NA | 402 |
| Hospital Pharmacist | NA | 913 |
| Long-term Care Pharmacist | NA | 150 |
| Managed Care Pharmacist | NA | 87 |
| Pharmaceutical Industry | NA | 110 |
| Pharmacist - Armed services or Regulator Agency | NA | 83 |
| Pharmacist - Other Government | NA | 104 |
| Professional Association | NA | 25 |
| Other Pharmacy Related Field | NA | 201 |
| Non - Pharmacy Related Field | NA | 13 |
| No Plans for Employment in the coming year | NA | 80 |

Further Education

| | Response Percent | Response Total |
|---|-------------------------|-----------------------|
| Pharmacy Residency Program | NA | 637 |
| Dual Pharmacy Residency - Master's Program | NA | 12 |
| Pharmacy Master's Program | NA | 31 |
| Pharmacy Ph.D. Program | NA | 29 |
| MBA Program | NA | 186 |
| JD or Other Law Program | NA | 58 |
| Other Health Professions (M.D., D.D.S., D.V.M., etc.) | NA | 43 |
| Other Non-Pharmacy Master's Program | NA | 37 |
| Non-Pharmacy Ph.D. Program | NA | 13 |
| Fellowship | NA | 53 |
| No Plans for Further Education in the coming year | NA | 1713 |

9. Borrowed money to help pay for your college expenses

| | Response Percent | Response Total |
|-----|-------------------------|-----------------------|
| Yes | 90.0% | 2977 |
| No | 10.0% | 329 |

Average amount borrowed (private schools): \$126,559

Median amount borrowed (private schools): \$125,833

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 Pharm.D. Program prepared me to ... | | | | | |
| 10. communicate with health care providers. | 47.2% (1562) | 49.5% (1636) | 2.6% (86) | 0.3% (11) | 0.3% (11) |
| 11. communicate with patients and caregivers. | 52.4% (1733) | 45.2% (1495) | 1.7% (56) | 0.3% (11) | 0.3% (11) |
| 12. gather and use specific information (e.g., patient histories, medical records) to identify patient medication-related problems. | 52.7% (1743) | 45.1% (1491) | 1.4% (47) | 0.4% (13) | 0.4% (12) |
| 13. develop a patient care plan to manage each medication-related problem. | 48.9% (1615) | 48.8% (1614) | 1.7% (56) | 0.4% (13) | 0.2% (8) |
| 14. work with the health care team to implement the patient care plan. | 43.0% (1421) | 52.1% (1724) | 4.0% (131) | 0.5% (16) | 0.4% (14) |
| 15. document pharmaceutical care activities. | 41.7% (1379) | 53.1% (1755) | 4.0% (131) | 0.5% (18) | 0.7% (23) |
| 16. interpret epidemiologic data relevant to specific diseases and their management. | 32.8% (1084) | 57.0% (1885) | 7.5% (247) | 1.0% (32) | 1.8% (58) |
| 17. interpret economic data relevant to treatment of disease. | 25.2% (832) | 54.6% (1805) | 15.1% (499) | 2.4% (78) | 2.8% (92) |
| 18. manage the system of medication use to affect patients. | 37.9% (1254) | 55.5% (1836) | 3.7% (123) | 0.5% (18) | 2.3% (75) |
| 19. identify and use risk reduction strategies to minimize medication errors. | 38.6% (1276) | 55.2% (1826) | 4.8% (160) | 0.6% (20) | 0.7% (24) |
| 20. provide patient care in accordance with legal, ethical, social, economic, and professional guidelines. | 45.0% (1489) | 52.0% (1720) | 1.9% (64) | 0.3% (11) | 0.7% (22) |
| 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. | 37.9% (1253) | 56.4% (1864) | 3.7% (122) | 0.6% (19) | 1.5% (48) |
| 22. interpret and apply drug use policy and health policy. | 32.6% (1077) | 57.4% (1896) | 7.3% (240) | 0.9% (29) | 1.9% (64) |
| 23. work with other stakeholders (e.g., patients and other health professionals) to identify and resolve problems related to medication use. | 40.5% (1339) | 55.4% (1832) | 2.9% (97) | 0.4% (14) | 0.7% (24) |
| 24. promote wellness and disease prevention services. | 47.7% (1578) | 49.5% (1636) | 1.8% (60) | 0.4% (13) | 0.6% (19) |
| 25. practice pharmacy in interprofessional and collaborative practice settings. | 47.2% (1562) | 49.1% (1624) | 2.4% (80) | 0.5% (17) | 0.7% (23) |
| 26. search the health sciences literature. | 51.1% (1689) | 45.4% (1502) | 2.6% (85) | 0.5% (15) | 0.5% (15) |
| 27. evaluate the health sciences literature. | 46.6% (1540) | 48.9% (1617) | 3.4% (111) | 0.7% (24) | 0.4% (14) |
| 28. reflect critically on personal skills and actions and make plans to improve when necessary. | 43.6% (1443) | 51.9% (1716) | 3.3% (109) | 0.6% (21) | 0.5% (17) |
| 29. accept and respond to constructive feedback. | 45.5% (1505) | 49.9% (1650) | 3.2% (105) | 0.7% (24) | 0.7% (22) |

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. | 31.6% (1045) | 55.6% (1837) | 10.5% (346) | 1.8% (59) | 0.6% (19) |
| 31. I developed the skills needed to prepare me for continued learning after graduation. | 41.0% (1354) | 54.4% (1797) | 3.1% (102) | 0.6% (20) | 1.0% (33) |
| 32. I was provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning, in-class activities). | 45.0% (1489) | 50.1% (1656) | 3.7% (121) | 0.9% (29) | 0.3% (11) |
| 33. I was encouraged to ask questions in class. | 37.2% (1229) | 52.4% (1731) | 8.0% (264) | 1.5% (48) | 1.0% (34) |
| 34. Pharmacy-related elective courses met my needs as a Pharm.D. student. | 31.7% (1048) | 48.2% (1592) | 13.7% (452) | 3.4% (114) | 3.0% (100) |
| 35. Course loads were reasonable. | 27.5% (908) | 59.6% (1970) | 9.8% (323) | 2.6% (87) | 0.5% (18) |
| 36. The program included opportunities to develop professional attitudes, ethics and behaviors. | 42.8% (1415) | 51.5% (1703) | 4.2% (138) | 0.9% (29) | 0.6% (21) |

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. | 26.0% (859) | 50.6% (1672) | 16.7% (552) | 4.4% (144) | 2.4% (79) |
| 38. My introductory pharmacy practice experiences permitted my involvement in direct patient care responsibilities in both community and institutional settings. | 25.1% (830) | 48.7% (1609) | 19.1% (632) | 4.3% (143) | 2.8% (92) |
| 39. The sites available for introductory pharmacy practice experiences were of high quality. | 23.7% (782) | 53.8% (1778) | 14.8% (488) | 3.4% (114) | 4.4% (144) |
| 40. The process by which I was assigned sites for introductory pharmacy practice experiences was fair. | 27.5% (909) | 54.5% (1801) | 8.5% (280) | 3.2% (106) | 6.4% (210) |
| 41. In the community pharmacy setting, I was able to apply my patient care skills. | 41.7% (1380) | 48.0% (1588) | 7.1% (234) | 2.1% (70) | 1.0% (34) |
| 42. In the ambulatory care setting, I was able to apply my patient care skills. | 52.7% (1742) | 40.9% (1352) | 3.6% (119) | 1.2% (41) | 1.6% (52) |
| 43. In the hospital or health-system pharmacy setting, I was able to apply my patient care skills. | 42.5% (1405) | 48.1% (1591) | 6.9% (227) | 1.7% (55) | 0.8% (28) |
| 44. In the inpatient/acute care setting, I was able to apply my patient care skills. | 46.3% (1531) | 47.4% (1567) | 3.6% (120) | 1.1% (36) | 1.6% (52) |
| 45. The need for continuity of care throughout the health care system was emphasized in the advanced pharmacy practice experiences. | 42.1% (1393) | 51.2% (1692) | 5.1% (170) | 0.8% (25) | 0.8% (26) |
| 46. The variety of the available advanced pharmacy practice experience electives met my needs as a student. | 38.7% (1279) | 48.3% (1597) | 9.3% (309) | 3.2% (106) | 0.5% (15) |
| 47. I was academically prepared to enter my advanced pharmacy practice experiences. | 36.9% (1220) | 54.0% (1785) | 7.0% (230) | 1.5% (49) | 0.7% (22) |
| 48. The sites available for advanced pharmacy practice experiences were of high quality. | 35.0% (1156) | 53.5% (1768) | 8.3% (276) | 2.3% (75) | 0.9% (31) |
| 49. The process by which I was assigned sites for advanced pharmacy practice experiences was fair. | 34.8% (1149) | 49.9% (1649) | 9.2% (303) | 4.7% (157) | 1.5% (48) |
| 50. Overall, my advanced practice experiences were valuable in helping me to achieve the professional competencies. | 44.2% (1462) | 50.4% (1665) | 3.8% (126) | 1.1% (36) | 0.5% (17) |
| 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.). | 51.5% (1704) | 45.4% (1502) | 2.2% (72) | 0.5% (17) | 0.3% (11) |
| 52. My pharmacy practice experiences allowed me to collaborate with other health care professionals. | 52.8% (1745) | 44.3% (1465) | 2.0% (66) | 0.5% (17) | 0.4% (13) |

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. | 23.5% (776) | 45.2% (1493) | 13.1% (432) | 4.6% (153) | 13.7% (452) |
| 54. Career planning and guidance met my needs. | 16.6% (549) | 37.1% (1225) | 18.1% (600) | 6.2% (204) | 22.0% (728) |
| 55. Tutoring services met my needs. | 13.6% (449) | 28.1% (930) | 8.6% (285) | 2.8% (92) | 46.9% (1550) |
| 56. Financial aid advising met my needs. | 17.8% (587) | 46.4% (1534) | 14.0% (464) | 7.3% (241) | 14.5% (480) |
| 57. Student health and wellness services (e.g. immunizations, counseling services, campus pharmacy, primary care clinics, etc.) met my needs. | 21.9% (725) | 45.9% (1519) | 10.4% (343) | 4.6% (151) | 17.2% (568) |

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. | 34.0% (1124) | 55.5% (1834) | 6.9% (228) | 2.3% (75) | 1.4% (45) |
| 59. Information was made available to me about additional educational opportunities (e.g., residencies, fellowships, graduate school). | 34.9% (1153) | 55.6% (1837) | 6.6% (218) | 2.1% (69) | 0.9% (29) |
| 60. The college/school's administration responded to problems and issues of concern to the student body. | 24.7% (818) | 53.9% (1782) | 12.2% (403) | 5.3% (174) | 3.9% (129) |
| 61. I was aware of the process for raising issues with the college/school administration. | 24.9% (822) | 53.6% (1773) | 14.3% (472) | 3.4% (111) | 3.9% (128) |
| 62. I was aware that student representatives served on college/school committees with responsibility for curriculum and other matters. | 31.4% (1037) | 57.2% (1892) | 7.0% (231) | 2.3% (75) | 2.1% (71) |
| 63. The college/school of pharmacy is welcoming to students with diverse backgrounds. | 43.7% (1445) | 50.6% (1673) | 2.6% (87) | 1.3% (44) | 1.7% (57) |
| 64. The admissions process of the college/school of pharmacy was well organized. | 34.8% (1150) | 52.4% (1732) | 6.1% (202) | 3.4% (112) | 3.3% (110) |
| 65. The college/school of pharmacy had a student government that effectively communicated student opinions and perspectives to the faculty or administration. | 28.7% (949) | 52.4% (1731) | 9.0% (299) | 3.1% (101) | 6.8% (226) |
| 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. | 35.3% (1166) | 53.0% (1753) | 7.2% (237) | 2.5% (84) | 2.0% (66) |
| 67. Faculty, administrators and staff were committed to serving as positive role models for students. | 37.9% (1254) | 52.9% (1749) | 5.7% (188) | 2.0% (66) | 1.5% (49) |
| 68. Overall, preceptors modeled professional attributes and behaviors in the pharmacy practice experiences. | 41.0% (1354) | 54.7% (1809) | 2.6% (87) | 1.1% (37) | 0.6% (19) |
| 69. Overall, preceptors provided me with individualized instruction, guidance and evaluation that met my needs as a Doctor of Pharmacy student. | 39.7% (1313) | 54.4% (1800) | 3.9% (129) | 1.3% (43) | 0.6% (21) |
| 70. I was aware of expected behaviors with respect to professional and academic conduct. | 51.1% (1691) | 47.0% (1554) | 0.9% (29) | 0.6% (20) | 0.4% (12) |
| 71. The college/school of pharmacy effectively managed academic misconduct by students. | 26.9% (890) | 44.9% (1485) | 9.5% (313) | 5.5% (183) | 13.2% (435) |

| 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. | 26.1% (864) | 45.6% (1506) | 8.6% (285) | 4.9% (162) | 14.8% (489) |
| 73. The college/school's administration and faculty encouraged me to participate in regional, state or national pharmacy meetings | 38.6% (1275) | 51.5% (1703) | 6.1% (201) | 1.3% (44) | 2.5% (83) |
| 74. The college/school of pharmacy was supportive of student professional organizations. | 42.8% (1416) | 50.6% (1672) | 2.8% (94) | 1.6% (52) | 2.2% (72) |
| 75. I was aware of opportunities to participate in research activities with faculty. | 25.7% (851) | 47.4% (1567) | 16.6% (549) | 5.5% (182) | 4.7% (157) |

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. | 46.9% (1550) | 48.4% (1600) | 3.1% (104) | 1.0% (32) | 0.6% (20) |
| 77. The computer and other information technology resources provided by the college/school of pharmacy and/or elsewhere on campus were conducive to learning. | 41.4% (1369) | 50.1% (1656) | 5.7% (188) | 2.3% (77) | 0.5% (16) |
| 78. The classrooms in the college/school of pharmacy or elsewhere on campus were conducive to learning. | 39.1% (1294) | 54.0% (1786) | 4.7% (157) | 1.5% (48) | 0.6% (21) |
| 79. The laboratories and other non-classroom environments were conducive to learning. | 38.1% (1261) | 54.4% (1800) | 4.6% (153) | 1.3% (44) | 1.5% (48) |
| 80. The study areas in the college/school of pharmacy or elsewhere on campus were conducive to learning. | 35.1% (1160) | 50.8% (1679) | 9.0% (296) | 3.9% (128) | 1.3% (43) |
| 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. | 32.1% (1061) | 48.5% (1602) | 12.6% (418) | 4.7% (157) | 2.1% (68) |
| 82. On-campus access to educational resources (e.g., library, electronic data bases, drug information center) was conducive to learning. | 40.7% (1346) | 51.0% (1687) | 5.1% (169) | 2.3% (75) | 0.9% (29) |
| 83. During pharmacy practice experiences access to educational resources (e.g. library, electronic data bases, drug information center) was conducive to learning. | 41.7% (1378) | 51.4% (1699) | 4.7% (155) | 1.4% (47) | 0.8% (27) |

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. | 40.0% (1324) | 54.3% (1796) | 4.3% (141) | 0.5% (15) | 0.9% (30) |
| 85. If I were starting my college career over again I would choose to study pharmacy. | 45.6% (1507) | 41.5% (1372) | 7.1% (236) | 2.5% (82) | 3.3% (109) |
| 86. If I were starting my pharmacy program over again I would choose the same college/school of pharmacy. | 37.4% (1236) | 40.5% (1339) | 11.7% (386) | 5.7% (189) | 4.7% (156) |
| 87. I would recommend a career in pharmacy to a friend or relative. | 44.4% (1467) | 44.0% (1454) | 6.4% (210) | 2.2% (72) | 3.1% (103) |