

PHARMACY ALUMNI SURVEY SUMMARY REPORT - 2012

The Alumni Survey was available for online access in the AACP Centralized Survey System on May 7, 2012. As of September 2012, 58 out of 102 (56.9%) eligible schools of pharmacy with alumni administered the survey to their 2007-2011 alumni classes. Fifteen thousand, seven hundred and thirty (15,730) alumni were invited to complete the survey. Two thousand, seven hundred and twenty-nine (2,729) alumni submitted the survey for a total response rate of over seventeen percent (17.3%). Response rates per school ranged from 2.6 percent to 59.7 percent. For more information regarding this summary report or the administration of the survey, please contact Danielle Taylor, associate director of institutional research and effectiveness (dtaylor@aacp.org).

Total number of schools: 58 (29 public, 29 private)
Total number of responses: 2,729

SECTION I: Demographic Information

| | | |
|---|-----------------------------|---------------------------|
| 1. Gender | Response Percent | Response Total |
| Male | 36.2% | 989 |
| Female | 63.8% | 1740 |
| 2. Year of Graduation | Response Percent | Response Total |
| 2011 | 34.4% | 938 |
| 2010 | 29.6% | 808 |
| 2009 | 22.1% | 602 |
| 2008 | 6.5% | 177 |
| 2007 | 7.5% | 204 |
| 3. Option that best describes the learning environment/configuration of the curriculum in the Pharm.D. program | Response Percent | Response Total |
| Traditional program (4 professional years) | 94.8% | 2587 |
| Accelerated program (3 professional years; year-round classes) | 5.2% | 142 |
| 4. Option that best describes the learning environment in which you were enrolled | Response Percent | Response Total |
| Main campus | 89.8% | 2451 |
| Distance/Satellite/Branch campus (enter city, state) | 9.3% | 253 |
| Web-based program | 0.9% | 25 |
| 5. Postgraduate education/training in addition to Pharm.D. degree | Response Percent | Response Total |
| No postgraduate education/training | NA | 1571 |
| MBA | NA | 86 |
| Master's (other than MBA) | NA | 144 |
| Other Professional Doctorate (JD, MD, DDS) | NA | 32 |
| PhD | NA | 34 |
| Residency in Pharmacy Practice (any type) | NA | 787 |
| Specialty Residency (e.g., Drug Information, Pediatric, Primary care) | NA | 279 |
| Fellowship | NA | 89 |
| Other | NA | 97 |

| 6. Level of involvement with the Alumni Association | | |
|--|-----------------------------|---------------------------|
| | Response Percent | Response Total |
| None | 68.3% | 1864 |
| Minimal (occasionally attend functions) | 28.7% | 783 |
| Moderate (regularly attend functions) | 2.1% | 58 |
| Heavy (past or present service as an officer or on the board of directors) | 0.9% | 24 |
| 7. Extent of pharmacy employment | | |
| | Response Percent | Response Total |
| Part-time | NA | 174 |
| Full time (35 hrs & above) | NA | 2430 |
| Not currently practicing | NA | 78 |
| No longer in pharmacy profession | NA | 6 |
| Student (post graduate education/training) | NA | 132 |
| 8. State of primary practice | | |
| | Response Percent | Response Total |
| N/A | 2.3% | 62 |
| Alabama | 1.8% | 50 |
| Alaska | 0.3% | 9 |
| Amer. Samoa | 0.0% | 0 |
| Arizona | 1.4% | 39 |
| Arkansas | 0.1% | 4 |
| California | 14.2% | 387 |
| Canal Zone | 0.0% | 0 |
| Colorado | 0.7% | 18 |
| Connecticut | 0.7% | 20 |
| Delaware | 0.1% | 4 |
| Dis. of Columbia | 0.5% | 15 |
| Florida | 7.0% | 191 |
| Georgia | 3.4% | 94 |
| Guam | 0.0% | 1 |
| Hawaii | 0.7% | 19 |
| Idaho | 0.1% | 3 |
| Illinois | 5.3% | 145 |
| Indiana | 1.4% | 37 |
| Iowa | 1.4% | 39 |
| Kansas | 1.4% | 37 |
| Kentucky | 3.3% | 90 |
| Louisiana | 1.2% | 33 |
| Maine | 0.8% | 22 |
| Maryland | 1.7% | 47 |
| Massachusetts | 2.7% | 75 |
| Michigan | 2.2% | 59 |
| Midway Islands | 0.0% | 0 |
| Minnesota | 0.8% | 22 |
| Mississippi | 0.4% | 10 |
| Missouri | 3.3% | 89 |
| Montana | 0.3% | 7 |
| Nebraska | 0.7% | 20 |
| Nevada | 0.3% | 7 |
| New Hampshire | 0.5% | 13 |
| New Jersey | 2.5% | 67 |
| New Mexico | 0.3% | 8 |
| New York | 4.5% | 123 |

| | | |
|---|-----------------------------|---------------------------|
| North Carolina | 3.7% | 100 |
| North Dakota | 0.0% | 1 |
| Ohio | 4.8% | 131 |
| Oklahoma | 0.1% | 2 |
| Oregon | 1.1% | 30 |
| Pennsylvania | 1.8% | 50 |
| Puerto Rico | 1.0% | 26 |
| Rhode Island | 1.0% | 26 |
| South Carolina | 1.5% | 40 |
| South Dakota | 0.1% | 4 |
| Tennessee | 2.2% | 60 |
| Texas | 8.5% | 231 |
| Utah | 1.5% | 42 |
| Vermont | 0.2% | 6 |
| Virgin Islands | 0.0% | 1 |
| Virginia | 1.4% | 37 |
| W. Virginia | 0.5% | 15 |
| Wake Islands | 0.0% | 0 |
| Washington | 0.9% | 24 |
| Wisconsin | 1.0% | 27 |
| Wyoming | 0.4% | 10 |
| 9. Setting of primary practice | Response Percent | Response Total |
| Chain community pharmacy | 35.8% | 978 |
| Independent community pharmacy | 6.2% | 170 |
| Hospital | 34.6% | 943 |
| Clinic-based pharmacy | 3.9% | 106 |
| Consultant | 0.5% | 15 |
| Home care | 0.5% | 15 |
| Nursing home/Long-term care facility | 1.8% | 49 |
| Academia | 3.5% | 95 |
| Association management | 0.2% | 5 |
| Pharmaceutical industry | 3.3% | 89 |
| Managed care | 2.5% | 67 |
| Government or regulatory agency | 2.3% | 64 |
| Other | 4.9% | 133 |
| 10. Pharmacy organization membership | Response Percent | Response Total |
| APhA | NA | 941 |
| ASHP | NA | 780 |
| AMCP | NA | 45 |
| AACP | NA | 71 |
| ACCP | NA | 402 |
| ASCP | NA | 47 |
| NACDS | NA | 14 |
| NCPA | NA | 80 |
| State Association | NA | 823 |
| None | NA | 936 |
| Other | NA | 250 |

| 11. Level of involvement in most active pharmacy organization | Response Percent | Response Total |
|--|-----------------------------|---------------------------|
| Not a member of a pharmacy organization | 34.8% | 950 |
| Minimal (occasionally attend meetings) | 52.0% | 1418 |
| Moderate (regularly attend meetings, occasionally serve on committees) | 9.5% | 259 |
| Heavy (regularly serve on committees and/or serve as an officer) | 3.7% | 102 |
| 12. Current or former preceptor | Response Percent | Response Total |
| Yes | 47.9% | 1307 |
| No | 52.1% | 1422 |
| 13. Current or former pharmacy school adjunct faculty | Response Percent | Response Total |
| Yes | 17.7% | 484 |
| No | 82.3% | 2245 |

SECTION II: Development/Communication

| Indicate the degree to which you agree or disagree with these statements. | | | | | |
|--|-----------------------|---------------------|-----------------|--------------------------|--------------------------|
| | Strongly Agree | Agree | Disagree | Strongly Disagree | Unable to Comment |
| 14. The college/school communicates effectively with alumni about college/school activities. | 24.6% (670) | 58.7% (1601) | 11.5% (315) | 1.6% (43) | 3.7% (100) |
| 15. The current Dean is providing leadership in pharmacy. | 30.6% (835) | 38.9% (1061) | 5.3% (146) | 2.2% (61) | 22.9% (626) |
| 16. The current Dean encourages alumni to stay involved. | 24.2% (661) | 40.5% (1105) | 13.0% (356) | 3.0% (82) | 19.2% (525) |
| 17. Since graduation, the college/school has solicited my input/feedback for programmatic improvement. | 18.9% (515) | 42.0% (1146) | 24.8% (678) | 7.6% (208) | 6.7% (182) |
| When I was a student... | | | | | |
| 18. the college/school provided an environment and culture that promoted professional behavior and harmonious relationships among students, faculty, administrators, preceptors and staff. | 49.2% (1343) | 42.8% (1167) | 5.3% (144) | 2.1% (57) | 0.7% (18) |
| 19. the faculty, administrators, and staff were committed to developing professionalism, fostering leadership, and to serving as mentors and positive role models. | 53.0% (1446) | 40.8% (1113) | 4.2% (114) | 1.5% (40) | 0.6% (16) |
| 20. I knew what the program outcomes were. | 45.4% (1238) | 47.6% (1300) | 5.1% (138) | 0.5% (13) | 1.5% (40) |
| 21. the curriculum provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning). | 51.4% (1404) | 43.9% (1198) | 3.7% (101) | 0.6% (17) | 0.3% (9) |
| 22. the curriculum was properly sequenced. | 34.2% (932) | 50.6% (1380) | 12.6% (343) | 2.1% (56) | 0.7% (18) |
| 23. I was encouraged to assume responsibility for my own learning. | 52.9% (1445) | 43.9% (1198) | 2.2% (60) | 0.7% (18) | 0.3% (8) |
| 24. my coursework prepared me to enter my practice experiences (rotations). | 46.2% (1261) | 46.9% (1281) | 5.0% (136) | 1.4% (38) | 0.5% (13) |
| 25. the courses I took prepared me to enter my first pharmacy job. | 40.2% (1096) | 48.4% (1321) | 7.8% (213) | 2.0% (54) | 1.6% (45) |
| 26. information was made available to me about additional educational opportunities (e.g. residencies, fellowships, graduate school). | 47.7% (1301) | 43.2% (1179) | 6.8% (186) | 1.4% (39) | 0.9% (24) |

SECTION III: Curriculum

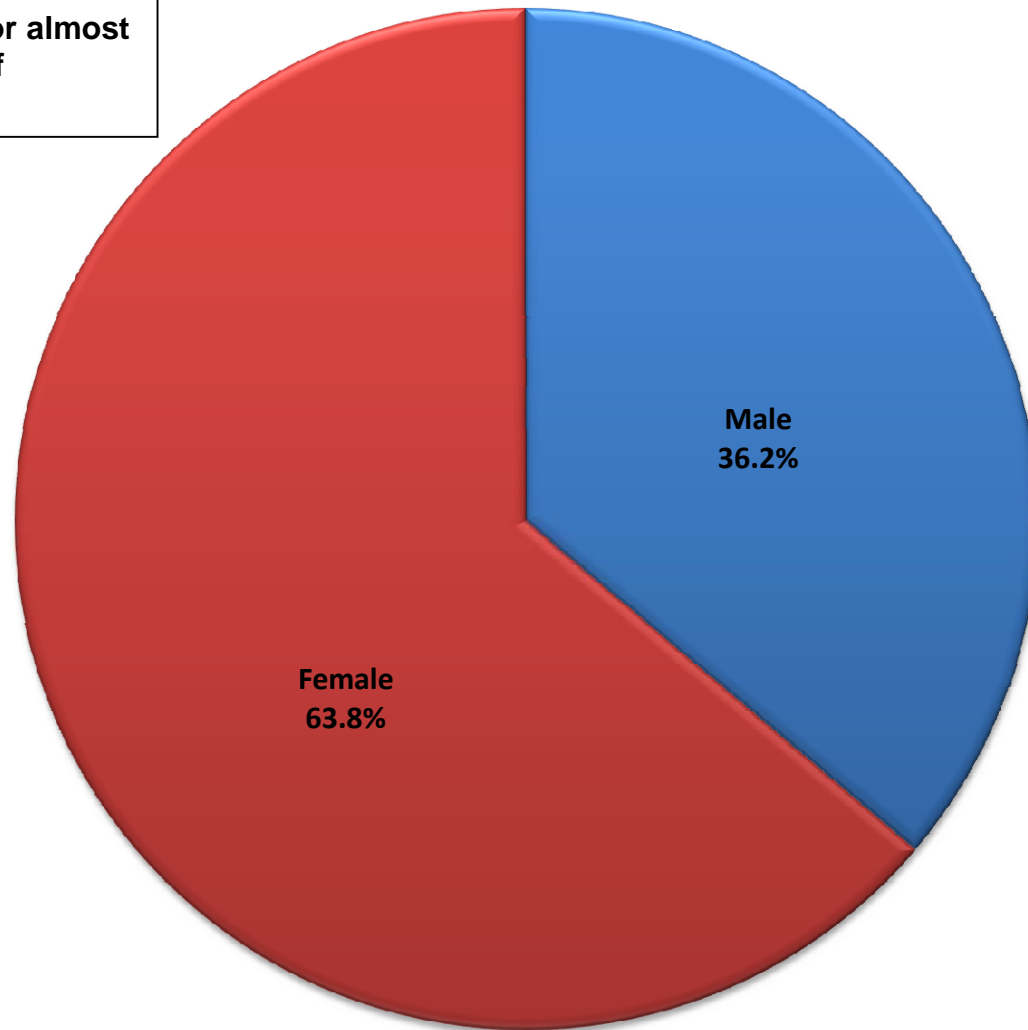
| Indicate the degree to which you agree or disagree with these statements. | | | | | |
|---|---------------------|---------------------|-------------|-------------------|-------------------|
| | Strongly Agree | Agree | Disagree | Strongly Disagree | Unable to Comment |
| When I was a student... | | | | | |
| 27. pharmacy related elective courses met my needs as a Pharm.D. student. | 34.0% (929) | 49.4% (1349) | 10.8% (294) | 2.7% (73) | 3.1% (84) |
| 28. the college/school provided an adequate number and mix of practice facilities for experiential education (rotations). | 45.3% (1237) | 45.4% (1240) | 7.4% (203) | 1.4% (38) | 0.4% (11) |
| 29. the faculty were effective teachers. | 39.0% (1065) | 54.0% (1474) | 5.2% (142) | 0.8% (23) | 0.9% (25) |
| 30. the faculty displayed respect for their colleagues and students. | 45.8% (1251) | 47.1% (1285) | 4.5% (122) | 1.8% (50) | 0.8% (21) |
| The PharmD Program prepared me to... | | | | | |
| 31. develop and use patient-specific pharmacy care plans. | 44.1% (1203) | 50.8% (1387) | 3.4% (94) | 0.8% (22) | 0.8% (23) |
| 32. effectively manage a patient-centered pharmacy practice. | 41.7% (1139) | 49.9% (1361) | 5.9% (160) | 1.3% (35) | 1.2% (34) |
| 33. develop disease management programs. | 36.4% (993) | 51.0% (1391) | 9.3% (254) | 1.0% (26) | 2.4% (65) |
| 34. manage the system of medication use. | 38.4% (1047) | 53.4% (1457) | 5.3% (144) | 1.1% (29) | 1.9% (52) |
| 35. promote the availability of health promotion and disease prevention initiatives. | 38.9% (1061) | 53.6% (1464) | 5.1% (140) | 0.7% (20) | 1.6% (44) |
| 36. communicate with patients, caregivers, and other members of the interprofessional health care team. | 50.9% (1388) | 45.0% (1229) | 2.9% (80) | 0.6% (16) | 0.6% (16) |
| 37. search the health sciences literature. | 51.3% (1399) | 44.5% (1214) | 3.2% (86) | 0.7% (18) | 0.4% (12) |
| 38. evaluate the health sciences literature. | 47.6% (1298) | 45.3% (1236) | 5.6% (153) | 1.1% (31) | 0.4% (11) |
| 39. demonstrate expertise in the area of informatics (resources, devices, and methods required to optimize the acquisition, storage, retrieval, and use of information in pharmacy and healthcare). | 33.8% (922) | 49.5% (1351) | 12.7% (347) | 2.6% (71) | 1.4% (38) |
| 40. apply state and federal laws and regulations to the practice of pharmacy. | 37.7% (1029) | 53.7% (1466) | 6.1% (166) | 1.7% (47) | 0.8% (21) |
| 41. maintain professional competence. | 51.9% (1416) | 44.7% (1220) | 2.4% (65) | 0.5% (15) | 0.5% (13) |

SECTION IV: General Impressions

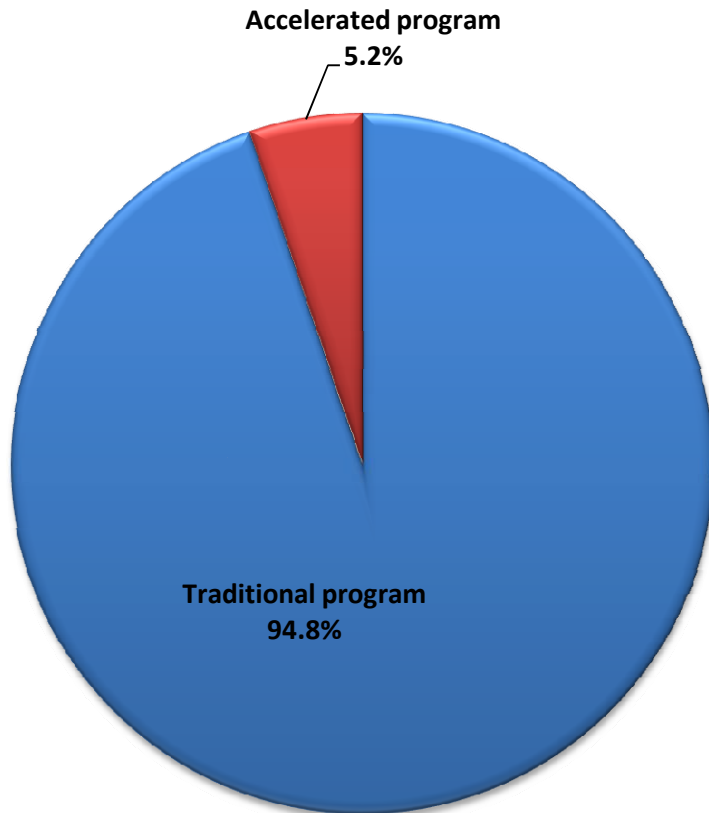
| Indicate the degree to which you agree or disagree with these statements. | | | | | |
|--|-----------------------|--------------|-----------------|--------------------------|--------------------------|
| | Strongly Agree | Agree | Disagree | Strongly Disagree | Unable to Comment |
| 42. If I were starting my education over today, I would choose pharmacy as a career. | 45.5% (1243) | 36.3% (991) | 11.6% (317) | 3.5% (95) | 3.0% (83) |
| 43. If I were starting my education over today, I would choose the same college/school of pharmacy. | 54.5% (1487) | 30.6% (836) | 7.7% (211) | 4.4% (119) | 2.8% (76) |
| 44. As I reflect on my pharmacy education, I would rate the overall quality of my education experience as very good. | 54.5% (1486) | 37.2% (1015) | 5.5% (150) | 1.8% (50) | 1.0% (28) |

Gender

Female alumni accounted for almost sixty-four percent (63.8%) of respondents.

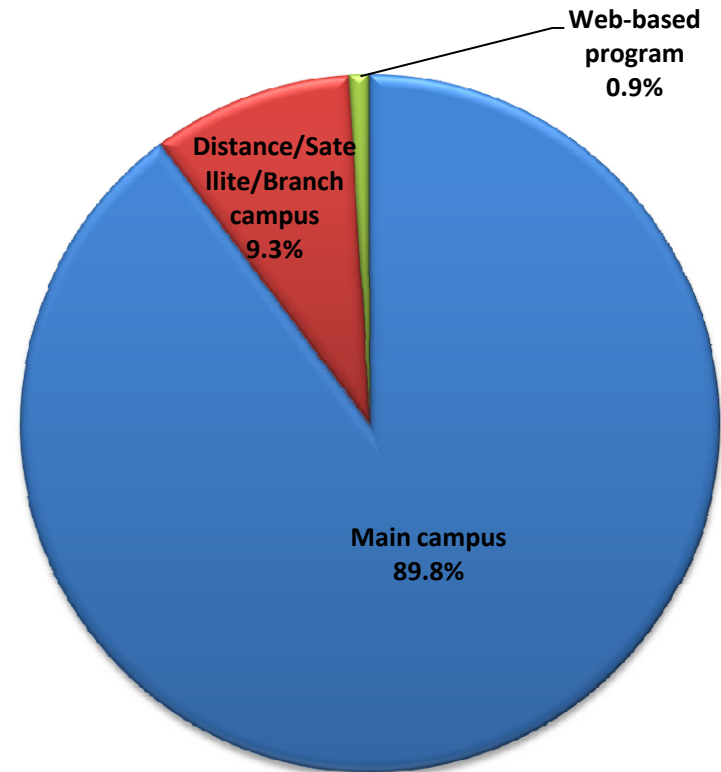


Curriculum Configuration



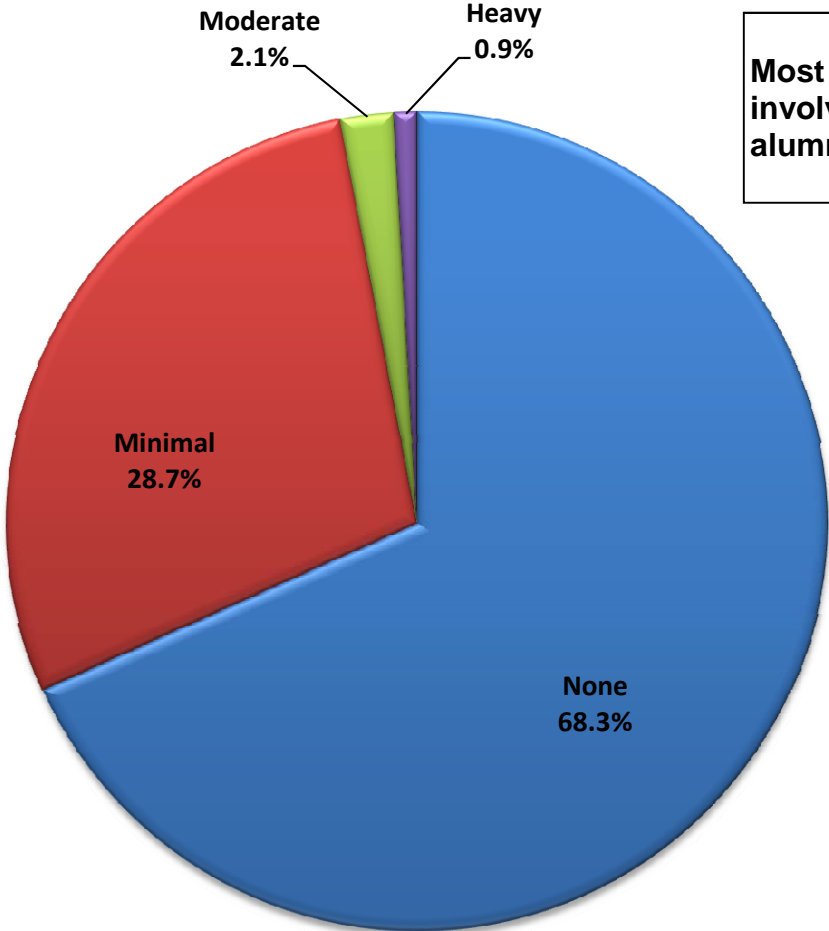
The majority of respondents (94.8%) were enrolled in a traditional, four professional year program.

Learning Environment



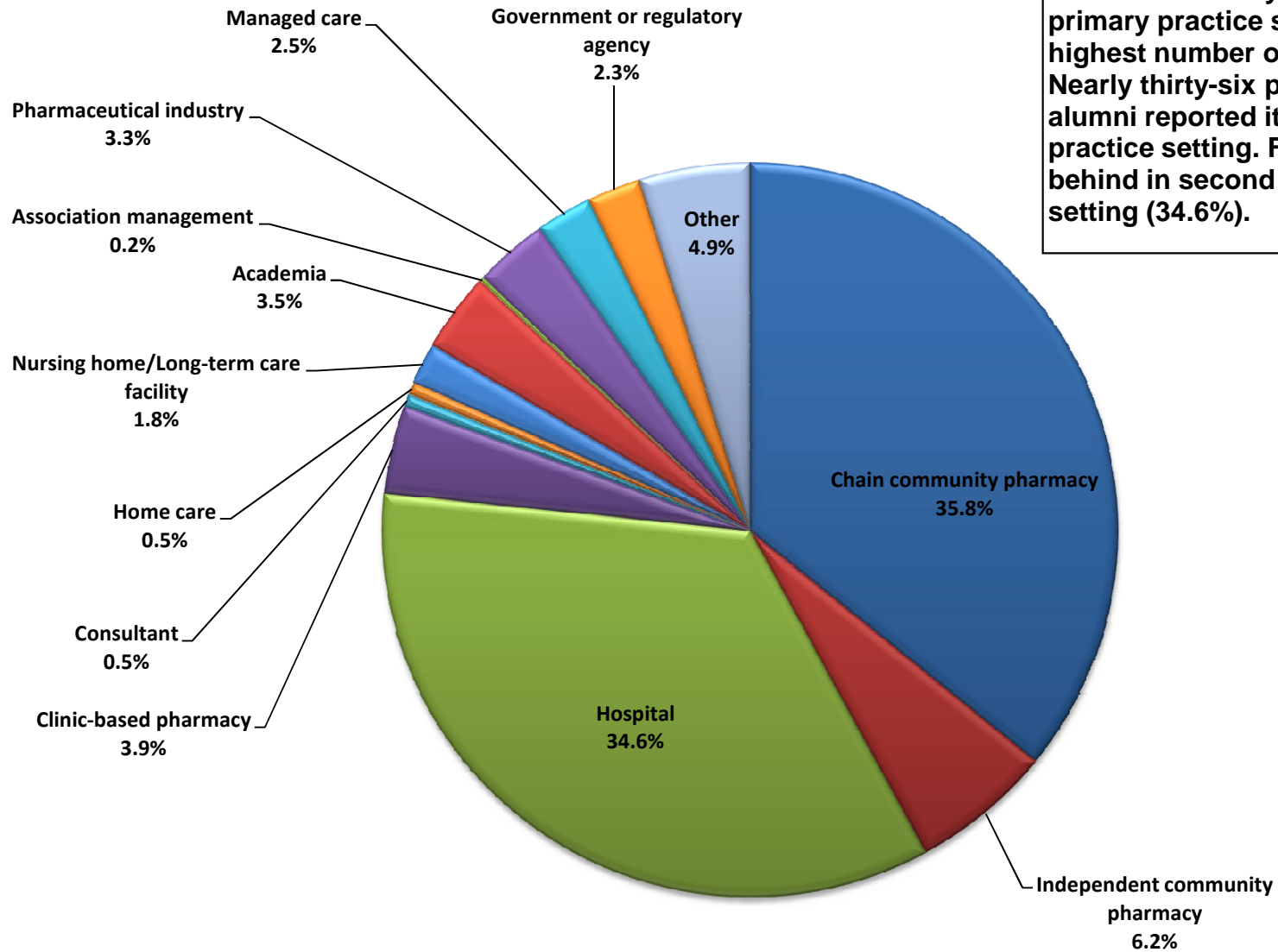
Nearly ninety percent (89.8%) of alumni surveyed were enrolled on a main campus.

Alumni Association Involvement



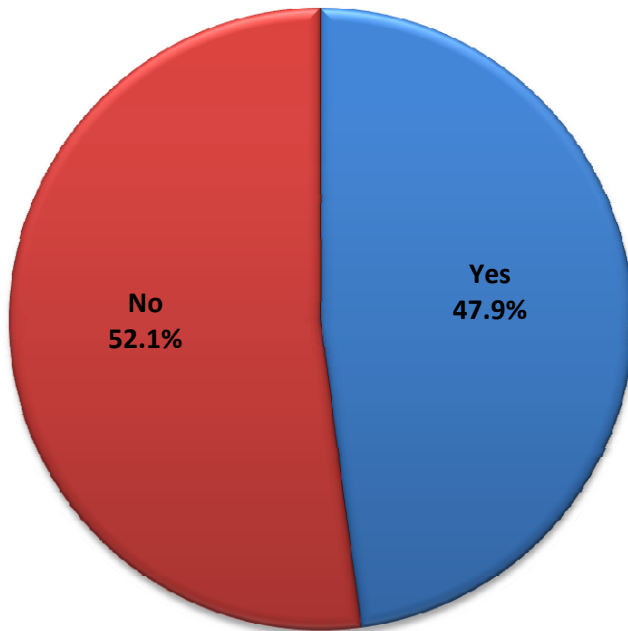
Most alumni (68.3%) were not involved with the school/college's alumni association.

Primary Practice Setting

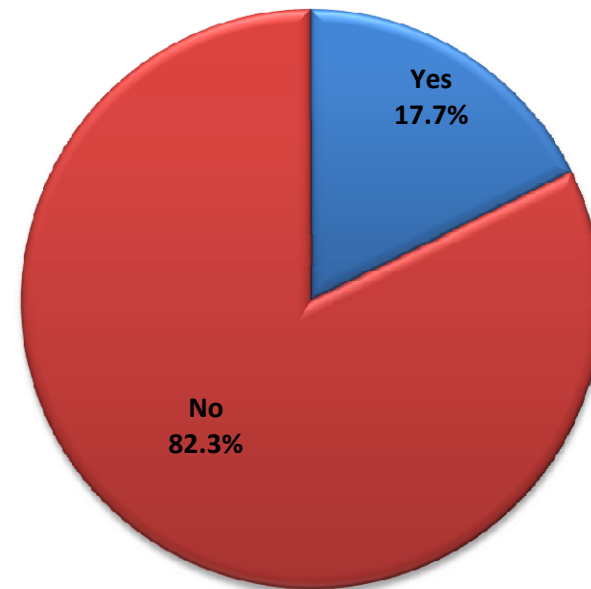


Chain community pharmacy was the primary practice setting with the highest number of responses. Nearly thirty-six percent (35.8%) of alumni reported it as their primary practice setting. Following closely behind in second was the hospital setting (34.6%).

Current or Former Preceptor



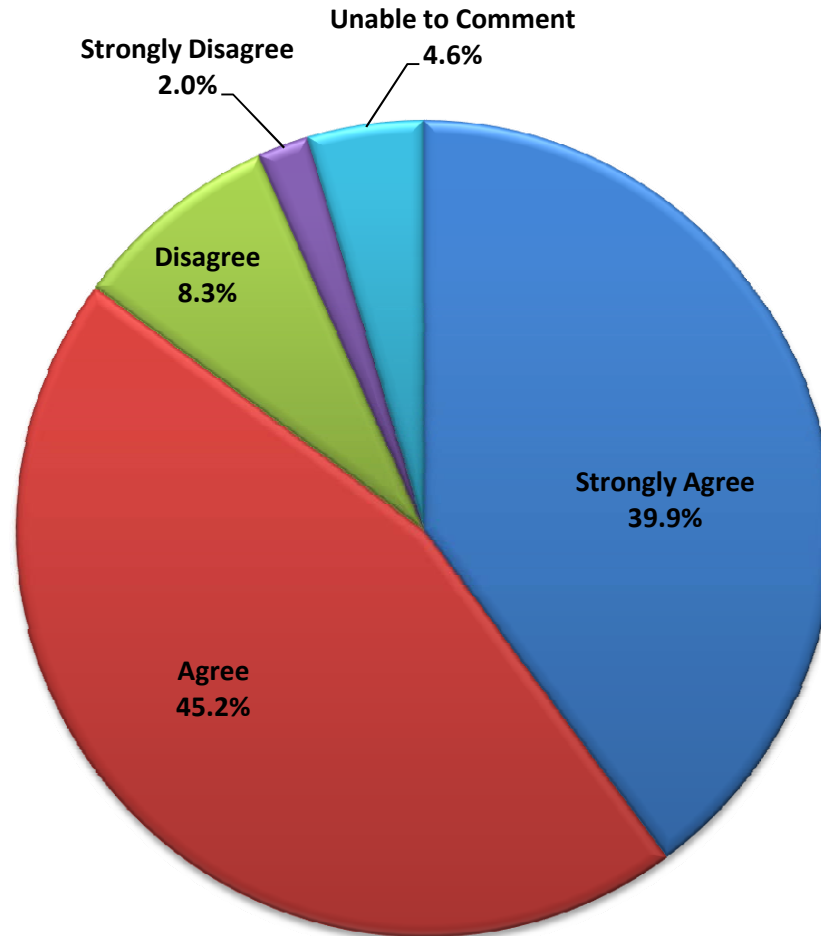
Current or Former Pharmacy School Adjunct Faculty



Nearly forty-eight percent (47.9%) of alumni surveyed are current or former preceptors and nearly eighteen percent (17.7%) of alumni are current or former pharmacy school adjunct faculty members.

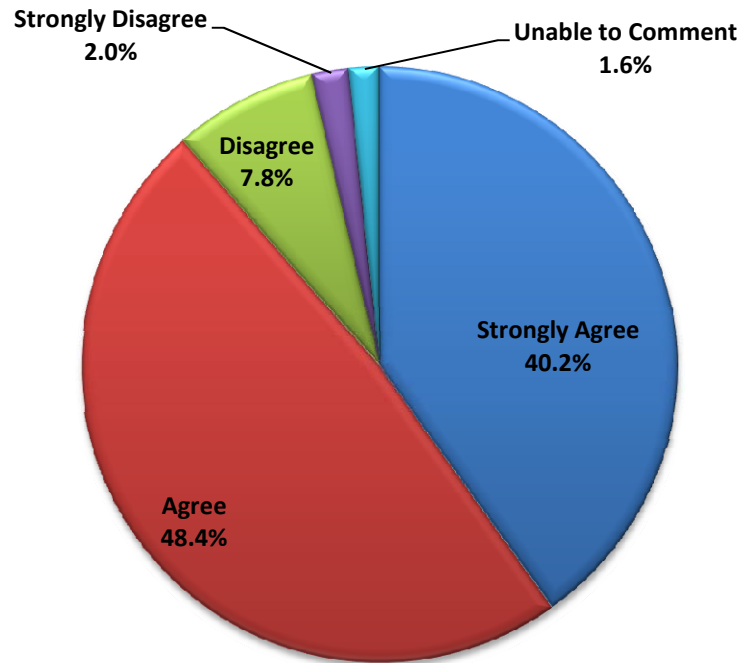
Section II: Development/Communication

Over eighty-five percent (85.1%) of alumni agreed or strongly agreed with statements in this section concerning the school/college's alumni communication and development. The section also asks alumni to reflect on these topics during their time as pharmacy students.



Section II: Development/Communication (Continued)

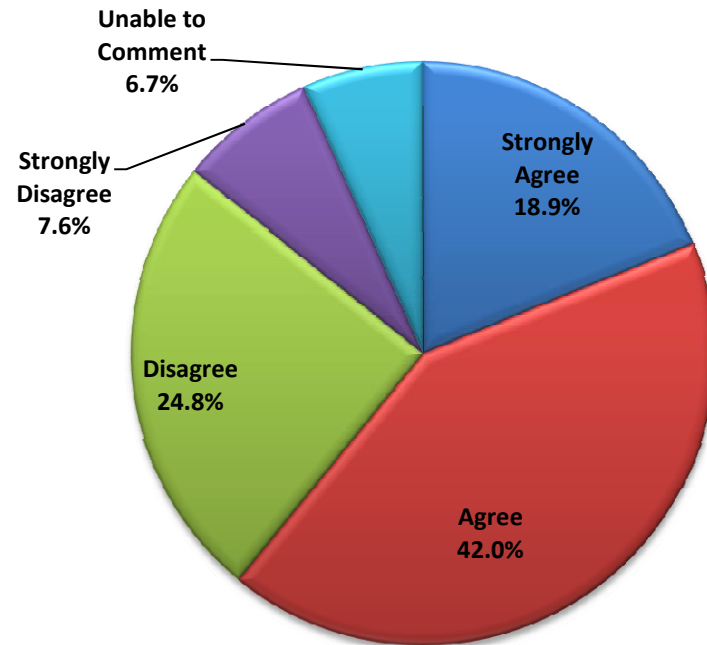
The courses I took prepared me to enter my first pharmacy job



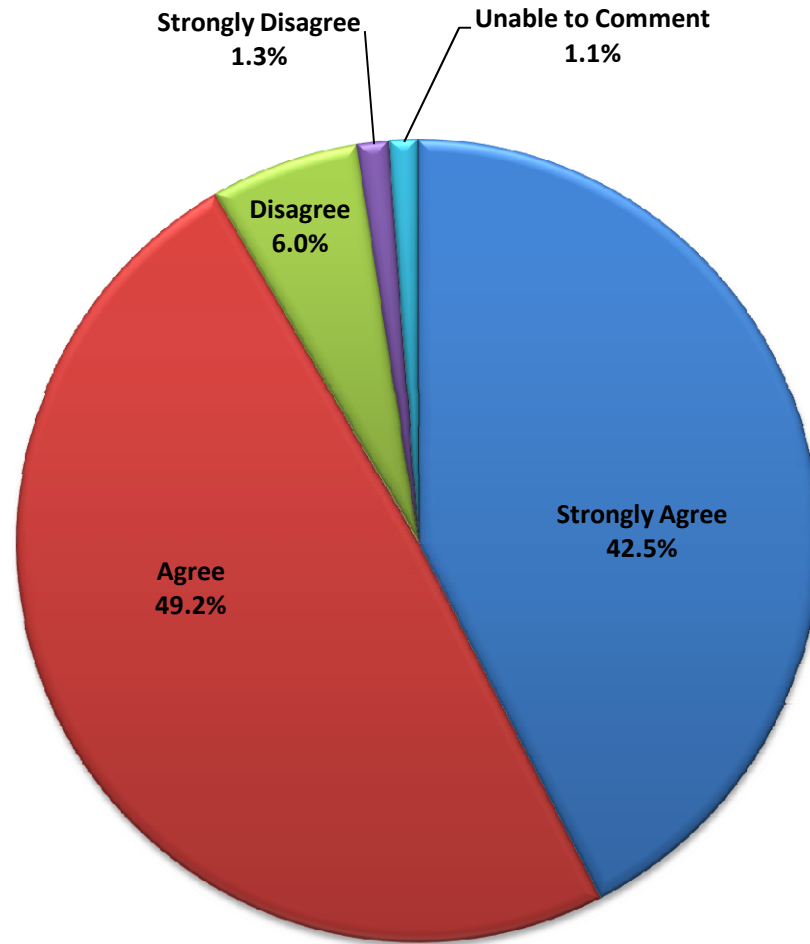
Most alumni (88.6%) agreed or strongly agreed that their coursework prepared them to enter their first pharmacy job.

One question that garnered the highest level of disagreement concerned solicitation of input/feedback from the college/school since graduation. Over thirty-two percent (32.4%) of alumni disagreed or strongly disagreed with this statement.

Since graduation, the college/school has solicited my input/feedback for programmatic improvement



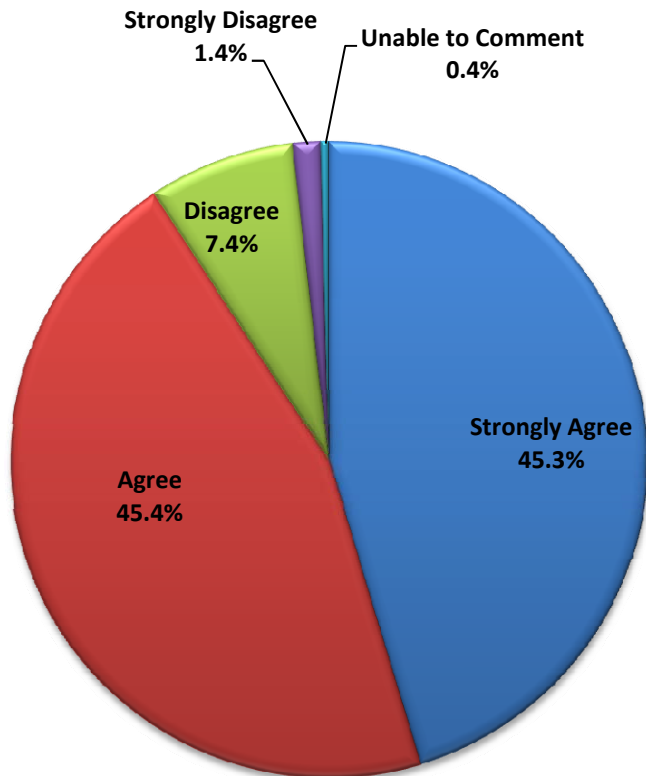
Section III: Curriculum



Overall, nearly ninety-two percent (91.7%) of alumni agreed or strongly agreed with the questions in this section regarding curriculum quality and the preparation alumni received during their Pharm.D. program.

Section III: Curriculum (Continued)

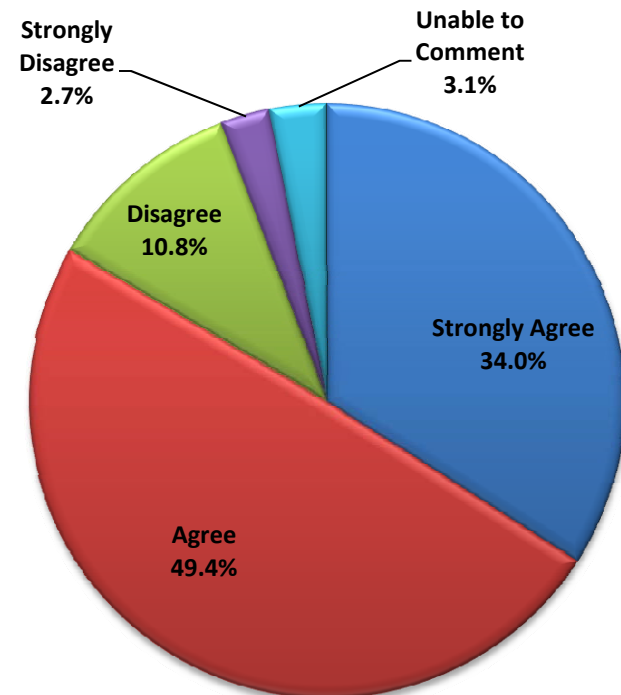
The college/school provided an adequate number and mix of practice facilities for experiential education (rotations)



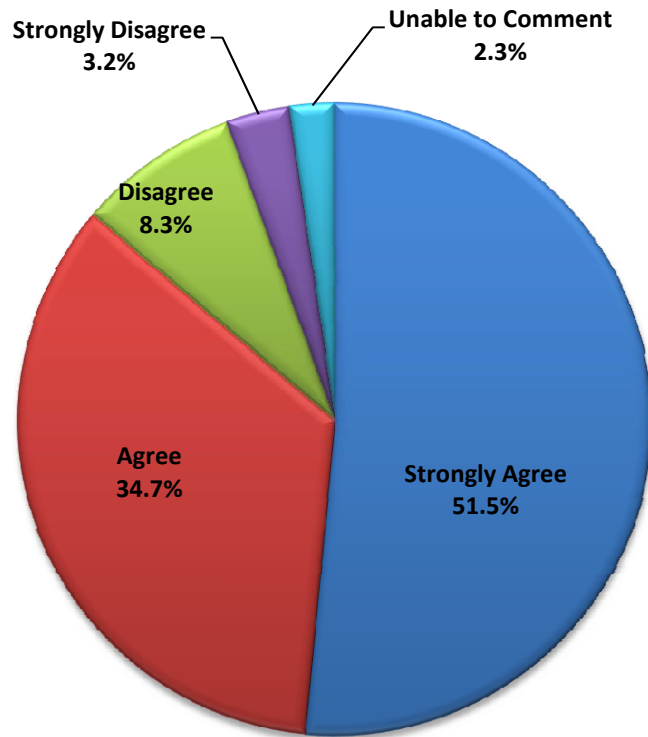
Nearly ninety-one percent (90.7%) of alumni surveyed agreed or strongly agreed that their college/school of pharmacy provided an adequate number and variety of practice facilities.

Over eighty-three percent (83.4%) of alumni were also in agreement that pharmacy related elective courses met their needs.

Pharmacy related elective courses met my needs as a Pharm.D. student



Section IV: General Impressions



Overall, over eighty-six percent (86.2%) of alumni agreed or strongly agreed with the statements in this section concerning general impressions of their college/school, pharmacy as a career, and the quality of their education.

Nearly eighty-two percent (81.8%) of respondents would choose pharmacy as a career if they were starting their education over again.

If I were starting my education over today, I would choose pharmacy as a career

