



# American Association of Colleges of Pharmacy Alumni Survey

## 2022 National Summary Report

September 2022

© 2022 American Association of Colleges of Pharmacy.

## About the AACP Curriculum Quality Surveys

The Graduating Student, Alumni, Preceptor, and Faculty surveys were first released in 2007. These surveys were based on the Accreditation Council of Pharmacy Education’s (ACPE) 2007 Standards with the intention of gathering continuous improvement data for the colleges and schools of pharmacy.

In spring 2015, the AACP Institutional Research and Assessment Committee (IRAC), AACP staff, and ACPE staff revised these curriculum quality perception surveys to accommodate changes with the release of ACPE’s 2016 Standards. In 2018, IRAC decided to move the demographic questions on three of the curriculum quality surveys (Graduating Student, Preceptor, and Alumni) to the end of the survey instrument. The Faculty demographic question section was already at the end of the survey instrument.

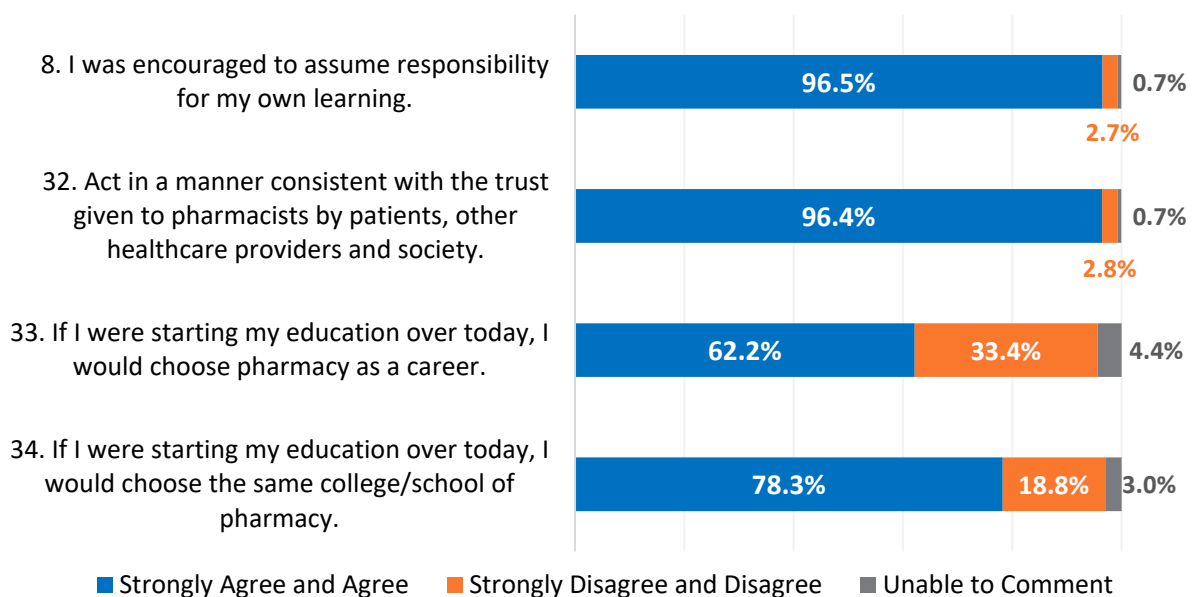
In 2021, IRAC decided to expand the demographic questions to include additional questions on race, ethnicity, English language proficiency, and first-generation student status. For the Alumni and Preceptor Surveys, the section containing these expanded demographic questions was made optional. The 2022 results reflect the first administration of these revised surveys.

### 2022 Administration

The Alumni Survey was made available for online access in the AACP Survey System on May 2, 2022. As of September 2022, 68 colleges and schools of pharmacy administered the survey to their 2017 – 2021 alumni classes. A total of 24,728 alumni were invited to complete the survey. Two thousand, and fifty-one (2,051) alumni submitted the survey for a total response rate of over eight percent (8.3%). Response rates per school ranged from .2 percent to 30.2 percent. For more information regarding this summary report or the administration of the survey, please contact the Office of Institutional Research and Effectiveness (data@aacp.org).

### 2022 Highlights

Overall, alumni surveyed in 2022 reported positive perceptions of their college/school of pharmacy and the profession. The statements with the highest overall level of agreement and disagreement are highlighted below.



## 2022 Alumni Survey National Summary Report

Total number of schools: 68 (26 public, 42 private)

Total number of responses: 2,051

Response Rate: 8.3%

### Section I: Development/Communication

Please indicate the degree to which you agree or disagree with each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
1. The college/school communicates effectively with alumni about college/school activities.	33.2% (680)	<b>46.8%</b> <b>(959)</b>	10.7% (219)	4.2% (87)	5.2% (106)
2. The current Dean is providing leadership in pharmacy.	<b>35.3%</b> <b>(725)</b>	31.0% (636)	5.3% (108)	2.8% (58)	25.5% (524)
3. The current Dean encourages alumni to stay involved.	29.8% (611)	<b>32.2%</b> <b>(661)</b>	12.0% (246)	5.1% (105)	20.9% (428)

### When I was a student...

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unable to Comment
4. The faculty displayed respect for their colleagues and students.	<b>51.3%</b> <b>(1053)</b>	40.8% (836)	4.6% (95)	2.5% (51)	0.8% (16)
5. Faculty, administrators and staff served as positive role models for students.	<b>53.2%</b> <b>(1091)</b>	40.0% (821)	3.9% (80)	2.1% (43)	0.8% (16)
6. I knew what the program outcomes were.	<b>51.7%</b> <b>(1060)</b>	41.2% (846)	4.6% (95)	1.4% (28)	1.1% (22)
7. The curriculum provided opportunities to engage in active learning (e.g., laboratories, recitations, student portfolios, problem-based learning).	<b>58.3%</b> <b>(1195)</b>	37.4% (768)	2.3% (48)	1.5% (30)	0.5% (10)
8. I was encouraged to assume responsibility for my own learning.	<b>62.3%</b> <b>(1278)</b>	34.2% (702)	1.5% (31)	1.2% (25)	0.7% (15)
9. I was academically prepared to enter my advanced pharmacy practice experiences.	<b>50.6%</b> <b>(1038)</b>	40.5% (831)	5.4% (110)	2.6% (54)	0.9% (18)
10. The curriculum prepared me to enter my first pharmacy job.	<b>47.0%</b> <b>(964)</b>	39.8% (816)	7.8% (159)	3.5% (72)	2.0% (40)

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
11. Information was made available to me about additional educational opportunities (e.g. residencies, fellowships, graduate school).	<b>48.9% (1003)</b>	39.2% (804)	7.8% (161)	2.9% (60)	1.1% (23)
12. Elective didactic courses permitted exploration of and/or advanced study in areas of professional interest.	<b>47.7% (978)</b>	39.8% (816)	7.8% (161)	3.1% (63)	1.6% (33)
13. My pharmacy practice experiences were of high quality.	<b>47.8% (980)</b>	41.7% (856)	6.4% (131)	3.3% (68)	0.8% (16)

## Section II: Curriculum

### The Pharm.D. Program prepared me to...

#### Domain 1: Foundational Knowledge

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
14. Apply knowledge from the foundational pharmaceutical and biomedical sciences to the provision of patient care.	<b>47.2% (969)</b>	47.1% (967)	3.1% (64)	1.7% (35)	0.8% (16)
15. Apply knowledge from the clinical sciences to the provision of patient care.	<b>51.2% (1050)</b>	44.1% (905)	2.1% (44)	1.9% (39)	0.6% (13)
16. Evaluate scientific literature.	<b>47.6% (976)</b>	43.5% (892)	5.4% (111)	2.7% (56)	0.8% (16)

**Domain 2: Essentials for Practice**

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
17. Provide medication expertise as part of patient-centered care.	<b>55.0% (1128)</b>	41.1% (842)	1.9% (39)	1.4% (29)	0.6% (13)
18. Optimize the safety and efficacy of medication use systems (e.g., dispensing, administration, effects monitoring) to manage patient healthcare needs.	<b>51.7% (1060)</b>	42.3% (867)	3.7% (76)	1.5% (31)	0.8% (17)
19. Design strategies to manage chronic disease and improve health and wellness.	<b>51.5% (1057)</b>	43.3% (888)	3.2% (65)	1.4% (28)	0.6% (13)
20. Assess the health needs of a given patient population.	<b>48.4% (992)</b>	44.5% (912)	4.4% (91)	1.5% (31)	1.2% (25)
21. Provide patient-centered care based on evidence-based best practices.	<b>55.4% (1137)</b>	40.3% (827)	2.2% (45)	1.5% (30)	0.6% (12)

**Domain 3: Approach to Practice and Care**

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
22. Design, implement and evaluate viable solutions to patient care problems.	<b>48.4% (993)</b>	45.5% (934)	3.9% (80)	1.4% (28)	0.8% (16)
23. Use effective strategies to educate patients, healthcare professionals and caregivers to improve patient care.	<b>52.7% (1081)</b>	43.1% (883)	2.1% (43)	1.5% (31)	0.6% (13)
24. Advocate for the patient's best interest.	<b>55.4% (1137)</b>	39.5% (811)	2.7% (56)	1.4% (29)	0.9% (18)
25. Engage as a member of an interprofessional healthcare team.	<b>56.3% (1155)</b>	37.3% (764)	3.9% (81)	1.7% (35)	0.8% (16)
26. Identify cultural disparities in healthcare.	<b>44.8% (919)</b>	42.9% (879)	8.0% (164)	2.9% (59)	1.5% (30)
27. Recognize and address cultural disparities in access to and delivery of healthcare.	<b>44.8% (919)</b>	42.0% (861)	9.2% (188)	2.7% (56)	1.3% (27)
28. Effectively communicate (verbal, non-verbal, written) when interacting with individuals, groups and organizations.	<b>54.4% (1115)</b>	40.1% (822)	3.5% (72)	1.5% (30)	0.6% (12)

**Domain 4: Personal and Professional Development**

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
29. Examine and reflect on how my behavior and choices affect my personal and professional growth.	<b>52.6%</b> <b>(1078)</b>	39.7% (814)	4.5% (93)	2.1% (44)	1.1% (22)
30. Accept responsibility for creating and achieving shared goals.	<b>52.7%</b> <b>(1080)</b>	41.4% (850)	3.3% (67)	1.6% (32)	1.1% (22)
31. Develop new ideas and approaches to practice.	<b>44.2%</b> <b>(906)</b>	42.9% (879)	8.8% (181)	2.4% (49)	1.8% (36)
32. Act in a manner consistent with the trust given to pharmacists by patients, other healthcare providers and society.	<b>59.0%</b> <b>(1211)</b>	37.4% (767)	1.2% (25)	1.6% (33)	0.7% (15)

**Section III: General Impressions**

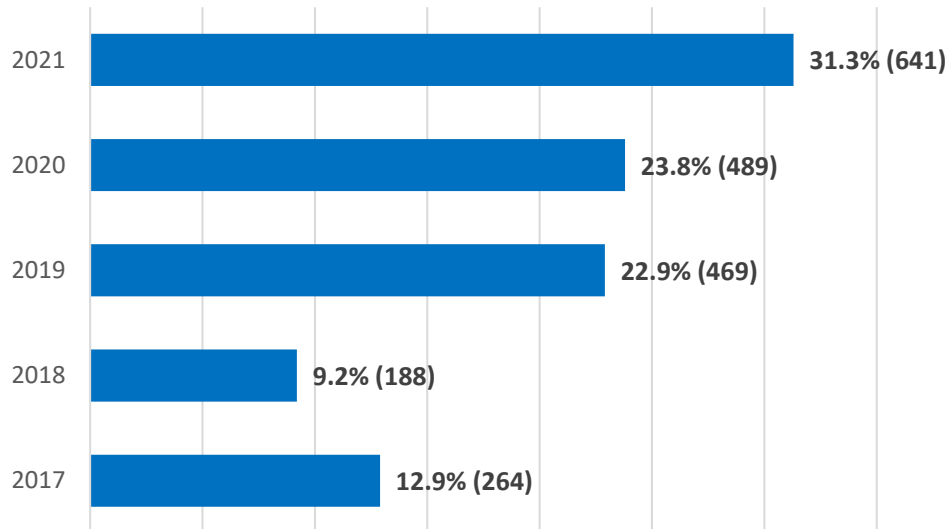
Please indicate the degree to which you agree or disagree with each statement.

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Unable to Comment</b>
33. If I were starting my education over today, I would choose pharmacy as a career.	27.1% (555)	<b>35.1%</b> <b>(720)</b>	20.4% (418)	13.1% (268)	4.4% (90)
34. If I were starting my education over today, I would choose the same college/school of pharmacy.	<b>46.8%</b> <b>(960)</b>	31.4% (645)	10.2% (209)	8.6% (176)	3.0% (61)
35. I received a high quality pharmacy education.	<b>53.2%</b> <b>(1091)</b>	36.3% (745)	5.7% (116)	3.0% (61)	1.9% (38)

Question 36 is an open-ended comment question and not included in this report

**Section IV: Demographic Questions**

**37. Year of Graduation:**



**38. Please check the option below that best describes the learning environment in which you were enrolled:**

	Response Percent	Response Total
Main campus	92.2%	1892
Distance/Satellite/Branch campus (enter city, state)	7.3%	150
Web-based program	0.4%	9

**38(a). Did you apply for governmental (state or federal) student loan repayment programs?**

	Response Percent	Response Total
Yes	66.6%	1365
No	33.4%	686

**38(b). Did you receive governmental (state or federal) student loan repayment programs?**

	Response Percent	Response Total
Yes	62.2%	1275
No	37.8%	776

**39. In addition to receiving your Pharm.D. degree, have you completed or are you currently pursuing any type of postgraduate education/training?**

	Response Percent	Response Total
Yes	37.9%	778
No	62.1%	1273

**40. If the answer to Question #39 above is "Yes"; please check all that apply.**

	<b>Response Percent</b>	<b>Response Total</b>
Master's; please specify type:	N/A	188
Other Professional Doctorate (JD, M.D., D.D.S.)	N/A	14
Ph.D.	N/A	20
Residency in Pharmacy Practice (any type)	N/A	543
Specialty Residency (e.g., Drug Information, Pediatric, Primary care)	N/A	204
Fellowship	N/A	65
Other	N/A	53

**41. What is your level of involvement with the school or college?**

	<b>Response Percent</b>	<b>Response Total</b>
None	32.4%	664
Minimal	41.4%	850
Moderate	19.8%	406
Heavy	6.4%	131

**42. To what extent are you employed in pharmacy? (Check all that apply)**

	<b>Response Percent</b>	<b>Response Total</b>
Part-time	N/A	194
Full time (35 hrs and above)	N/A	1742
Not currently practicing	N/A	120
No longer in pharmacy profession	N/A	28
Student (post graduate education/training)	N/A	99



**43. In which state are you primarily practicing?\***

	<b>Response Percent</b>	<b>Response Total</b>
NOT APPLICABLE	4.7%	95
Alabama (AL)	0.4%	9
Alaska (AK)	0.3%	7
American Samoa	0%	0
Arizona (AZ)	1.6%	32
Arkansas (AR)	1.9%	39
California (CA)	11.5%	232
Colorado (CO)	1.0%	20
Connecticut (CT)	1.0%	21
Delaware (DE)	0.2%	4
Dist. of Columbia (DC)	0.1%	2
Florida (FL)	4.0%	80
Georgia (GA)	0.8%	17
Guam	0%	0
Hawaii (HI)	0%	0
Idaho (ID)	0.9%	18
Illinois (IL)	2.5%	51
Indiana (IN)	2.0%	40
Iowa (IA)	0.5%	11
Kansas (KS)	0.3%	7
Kentucky (KY)	4.7%	95
Louisiana (LA)	1.1%	23
Maine (ME)	0.2%	5
Maryland (MD)	1.1%	22
Massachusetts (MA)	1.7%	34
Michigan (MI)	5.2%	106
Midway Islands	0%	0
Minnesota (MN)	0.5%	10
Mississippi (MS)	1.2%	24
Missouri (MO)	0.5%	11
Montana (MT)	0.1%	3
Nebraska (NE)	0.1%	2
Nevada (NV)	1.7%	34
New Hampshire (NH)	0.1%	3
New Jersey (NJ)	2.7%	54
New Mexico (NM)	0.4%	8
New York (NY)	5.8%	117
North Carolina (NC)	1.5%	30
North Dakota (ND)	0.1%	2
Ohio (OH)	5.3%	107
Oklahoma (OK)	4.1%	83
Oregon (OR)	0.4%	8
Pennsylvania (PA)	5.6%	114
Puerto Rico	0.1%	2
Rhode Island (RI)	0.6%	12
South Carolina (SC)	0.2%	5
South Dakota (SD)	0.0%	1
Tennessee (TN)	4.9%	99
Texas (TX)	8.7%	177
Utah (UT)	1.4%	28
Vermont (VT)	0.1%	2
Virgin Islands	0%	0
Virginia (VA)	2.3%	46
Wake Islands	0%	0
Washington (WA)	1.8%	37
West Virginia (WV)	0.7%	14
Wisconsin (WI)	1.0%	20
Wyoming (WY)	0%	0

**44. In what type of setting are you primarily practicing or employed?**

	<b>Response Percent</b>	<b>Response Total</b>
Chain community pharmacy	N/A	634
Independent community pharmacy	N/A	234
Hospital	N/A	770
Clinic-based pharmacy	N/A	224
Consultant	N/A	43
Home care	N/A	26
Nursing home/Long-term care facility	N/A	53
Academia	N/A	83
Association management	N/A	7
Pharmaceutical industry	N/A	94
Managed care	N/A	56
Government or regulatory agency	N/A	64
Other Pharmacy Related Field	N/A	127
Non-Pharmacy related field	N/A	17
Not currently employed	N/A	66

**45. In which pharmacy organizations are you currently a member? (Check all that apply)**

	<b>Response Percent</b>	<b>Response Total</b>
APhA	N/A	627
ASHP	N/A	502
AMCP	N/A	32
AACP	N/A	47
ACCP	N/A	176
ASCP	N/A	11
NCPA	N/A	59
State Pharmacy Association	N/A	445
Other	N/A	194
None	N/A	855

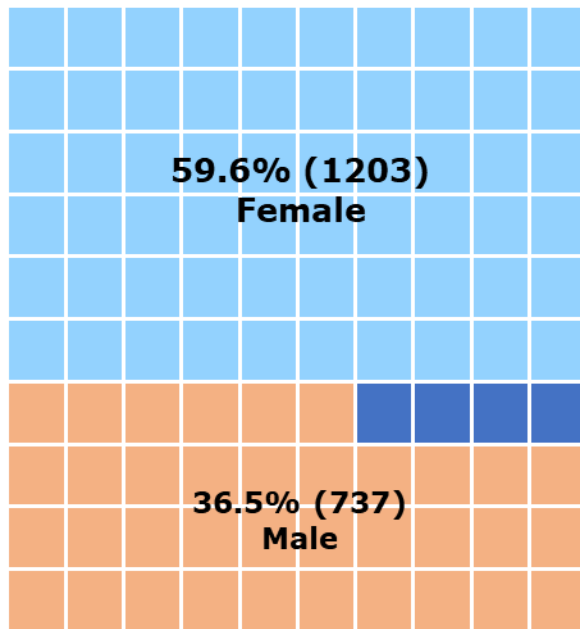
**46. In the pharmacy organization with which you are most engaged, how would you assess your level of involvement?**

	<b>Response Percent</b>	<b>Response Total</b>
Minimal (occasionally attend meetings)	75.7%	905
Moderate (regularly attend meetings, occasionally serve on committees)	16.3%	195
Heavy (regularly serve on committees and/or serve as an officer)	8.0%	96

**47. Are you currently serving, or have you served in the past as a preceptor for any pharmacy students?**

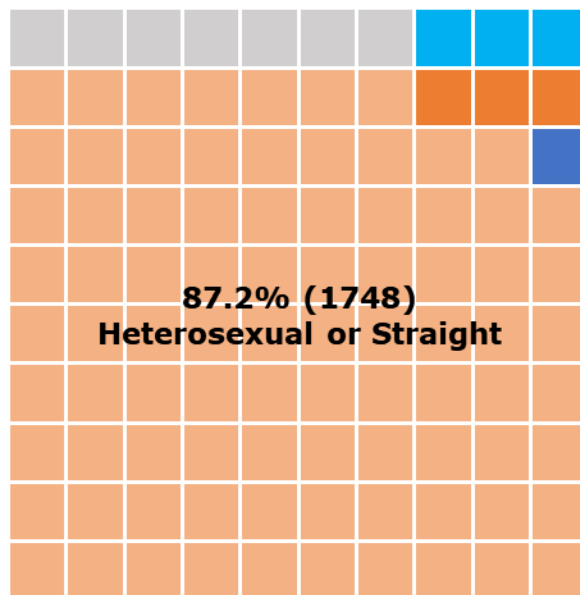
	<b>Response Percent</b>	<b>Response Total</b>
Yes	39.5%	810
No	60.5%	1241

**48(a). How do you describe yourself?**



- Trans Female/Trans Woman**  
0.1% (3)
- Trans Male/Trans Man**  
0.1% (2)
- Different Identity**  
0.1% (3)
- Prefer not to disclose**  
3.4% (69)

**48(b). Do you consider yourself to be:**



- Prefer not to disclose**  
6.7% (135)
- Gay or Lesbian**  
2.6% (53)
- Bisexual**  
2.6% (52)
- Not listed above**  
0.8% (17)

**49. Are you of Hispanic, Latino, or Spanish origin?**

	<b>Response Percent</b>	<b>Response Total</b>
No, not of Hispanic, Latino, or Spanish origin	88.9%	1787
Yes, Mexican, Mexican American, Chicano	2.7%	55
Yes, Puerto Rican	0.4%	9
Yes, Cuban	0.4%	8
Yes, another Hispanic, Latino, or Spanish Origin	2.0%	41
Prefer not to disclose	5.4%	109

**50. I identify as (check all that apply):**

	<b>Response Percent<sup>a</sup></b>	<b>Response Total</b>
American Indian or Alaska Native	1.0%	20
Asian	22.4%	446
Black or African American	7.7%	154
Middle Eastern or North African	3.6%	71
Native Hawaiian or Other Pacific Islander	0.3%	6
White	59.0%	1175
Other not listed above	1.7%	33
Prefer not to disclose	7.2%	144

a. Respondents were able to select multiple options; therefore, percentages do not represent mutually exclusive answer choices and may not total to 100%.

**51. When you were a student, did you identify as a first-generation student?**

	<b>Response Percent</b>	<b>Response Total</b>
Yes, neither of my parents completed a college/university degree	34.7%	695
No	61.0%	1223
Prefer not to disclose	4.3%	87

**52. Which is the language you know best?**

	<b>Response Percent</b>	<b>Response Total</b>
English	92.3%	1855
Other	4.5%	90
Prefer not to disclose	3.2%	65

**53. How would you describe your English Language Proficiency?**

	<b>Response Percent</b>	<b>Response Total</b>
Native	76.8%	1544
Advanced	18.2%	366
Intermediate	1.8%	37
Beginner	0.1%	2
Prefer not to disclose	3.1%	62