AACP REPORTS

The Pharmacy Student Population: Applications Received 2013-14, Degrees Conferred 2013-14, Fall 2014 Enrollments

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INTRODUCTION

This report presents data that describe the 2013-14 pharmacy application pool, degrees conferred in 2013-14, and fall 2014 pharmacy program enrollments. Data for this report were requested from the 133 U.S. colleges and schools of pharmacy recognized by the Accreditation Council for Pharmacy Education (ACPE) using five separate survey instruments.

There were previously two professional education programs at U.S. colleges and schools of pharmacy: one leading to a baccalaureate in pharmacy, and the other leading to the doctor of pharmacy (Pharm.D.) degree. However, June 30, 2005 marked the official expiration of the ACPE standards to the baccalaureate in pharmacy (B.S. Pharmacy) degree programs in accordance with the transition to the doctor of pharmacy (Pharm.D.) degree as the sole professional degree program in the U.S. Some colleges and schools of pharmacy conferred degrees in the B.S. Pharmacy program until 2004-05.

For the purpose of this report, students in doctor of pharmacy programs are categorized under *Pharm.D.1* when the program leads to a doctor of pharmacy degree conferred as the first professional degree. Students who have already received a baccalaureate in pharmacy and are enrolled in a doctor of pharmacy degree program are categorized under *Pharm.D.2*.

The following definitions refer to the race/ethnicity groups as used in this report. *White* refers to U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa. *Black or African American* refers to U.S. citizens or permanent residents having origins in any of the black racial groups of Africa. *Hispanic or Latino* refers to U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race. *Asian* refers to U.S. citizens or permanent residents having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. *Native Hawaiian or Other Pacific Islander* refers to U.S. citizens or permanent

residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Prior to 2011, these students were included in the *Asian* category. *American Indian or Alaska Native* refers to U.S. citizens or permanent residents having origins in any of the original peoples of North and South America (including Central America) who maintains cultural identification through tribal affiliation or community attachment. *Two or More Races* refers to U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. *Unknown* refers to U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, this category was labeled *Other/Unknown* and students that were of two or more races were included in this category. Finally, *International/Foreign* refers to citizens of a foreign country/permanent residents of a country other than the U.S.

2013-14 APPLICATION POOL

The 2013-14 Application Pool Survey was conducted online in October 2014 with an announcement and request for participation sent to the survey coordinator at each of the 133 colleges and schools of pharmacy in the U.S. recognized by ACPE. After follow-up correspondence, 131 colleges and schools (98.5 percent) submitted the requested information. Included in the application pool are students who applied for admission and submitted all required application materials between September 2013 and August 2014 for the entering class of fall 2014. Numbers reported represent the number of applications, not applicants, and may represent multiple applications submitted by individual applicants.

During the period September 2013 through August 2014, the reporting institutions received 85,754 applications for admission. When compared with entering class enrollment data for fall 2014 at these institutions, the resultant ratio was 5.5 applications received for every one entering student enrolled.

In 2013-14, females submitted 59.3 percent of the applications to pharmacy colleges and schools; males submitted 39.2 percent; gender unknown/not reported submitted 1.5 percent. White Americans submitted

Table 1. Distribution of 2013-14 Applications by Gender and Race/Ethnicity of Applicant^a

Race/Ethnicity	Male	Female	Gender Not Specified	Total (%)
White ^b	12,505	18,525	51	31,081 (36.2)
Black or African American ^b	4,087	5,275	32	9,394 (11.0)
Hispanic or Latino ^b	2,100	2,989	12	5,101 (5.9)
Asian ^b	11,145	17,992	71	29,208 (34.1)
Native Hawaiian or Other Pacific Islander ^b	68	84	1	153 (0.2)
American Indian or Alaska Native ^b	56	117	0	173 (0.2)
Two or more races ^b	796	1,349	1	2,146 (2.5)
Unknown ^b	1,718	2,519	620	4,857 (5.7)
International/Foreign ^c	1,332	2,281	28	3,641 (4.2)
Total	33,807	51,131	816	85,754

^aRepresents data, some incomplete, submitted by 131 schools

^bU.S. citizen or permanent resident

^cCitizens of a foreign country/permanent residents of a country other than the U.S.

36.2 percent of the applications, Asian Americans submitted 34.1 percent of the applications, and underrepresented minorities submitted 17.3 percent of the applications (black, 11.0 percent; Hispanic/Latino, 5.9 percent; Native Hawaiian/Other Pacific Islander, 0.2 percent; American Indian/Alaska Native, 0.2 percent). 2.5 percent of the applications to the Pharm.D. as the first professional degree programs were from applicants of two or more races and 4.2 percent of the applications were submitted by foreign, nonpermanent residents [Table 1]. For the tenth consecutive year, colleges and schools of pharmacy received more applications from out-of-state residents (56.0 percent) compared to 44.0 percent from in-state residents. The higher percentage of out-of-state applicants can be attributed to the ease of applying to colleges and schools of pharmacy in different states through PharmCAS.

Over 65 percent (65.2 percent) of the applications to the Pharm.D. as the first professional degree programs were submitted by individuals who had previously obtained a baccalaureate degree or higher (baccalaureate, 61.2 percent; master's, 3.0 percent; doctorate, 1.0 percent), [Table 2]. Over 75 percent (75.9 percent) of the

applications to colleges and schools of pharmacy were submitted by individuals who had 3 or more years of post-secondary experience.

2013-14 DEGREES CONFERRED

The 2013-14 Professional Degrees Conferred and Graduate Degrees Conferred surveys were conducted online in October 2014, with an announcement and request for participation sent to the survey coordinator at each of the 133 colleges and schools of pharmacy in the U.S. recognized by ACPE. Submission of the data was requested by December 2014. After follow-up correspondence, 132 colleges and schools (99.2 percent) submitted the requested information.

Professional Degrees Conferred

Numbers of degrees conferred by U.S. colleges and schools of pharmacy from 1965 to 2014 are presented in Table 3.

First Professional Degrees Conferred

In 2013-14, 120 colleges and schools conferred the doctor of pharmacy as a first professional degree

Table 2. Distribution of 2013-14 Applications to First Professional Degree Programs by Gender and Previous Postsecondary Experience of Applicant^a

Postsecondary Experience	Male	Female	Gender Not Specified	Total (%)
0 Years of College	4,060	6,988	1	11,049 (12.9)
1-2 Years of College/No Degree	1,370	2,092	81	3,544 (4.1)
Associate's Degree	2,707	3,152	147	6,006 (7.0)
3 or More Years of College/No Degree	3,742	5,248	180	9,170 (10.7)
Baccalaureate Degree	20,072	31,536	758	52,366 (61.2)
Master's Degree	1,233	1,317	57	2,607 (3.0)
Doctoral Degree	353	461	13	827 (1.0)

^aRepresents data, some incomplete, submitted by 131 schools

Table 3. Number of Pharmacy Degrees Conferred 1965-2014 by Degree and Gender

Year	BS Pharmacy ^a				PharmD1 ^b				First Professional ^c				PharmD2 ^d				MS				PhD			
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1965	2,723	454	3,177	162	21	183	2,885	475	3,360							150	26	176	105	3	108			
1966	2,970	500	3,470	161	28	189	3,131	528	3,659							152	38	190	108	15	123			
1967	3,078	493	3,571	136	37	173	3,214	530	3,744							235	32	267	118	8	126			
1968	3,194	572	3,766	183	39	222	3,377	611	3,988							219	44	263	124	10	134			
1969	3,384	695	4,079	178	31	209	3,562	726	4,288							235	42	277	136	9	145			
1970	3,664	853	4,517	192	49	241	3,856	902	4,758							236	54	290	131	10	141			
1971	3,589	935	4,524	160	63	223	3,749	998	4,747							219	56	275	169	8	177			
1972	3,498	1,072	4,570	215	73	288	3,713	1,145	4,858							205	56	261	155	13	168			
1973	3,674	1,259	4,933	184	67	251	3,858	1,326	5,184				99	18	117	273	53	326	172	15	187			
1974	4,104	1,559	5,663	205	89	294	4,309	1,648	5,957				117	23	140	250	70	320	165	19	184			
1975	4,607	1,792	6,399	218	95	313	4,825	1,887	6,712				110	26	136	250	89	339	165	24	189			
1976	4,940	2,165	7,105	250	109	359	5,190	2,274	7,464				88	38	126	301	92	393	163	26	189			
1977	5,108	2,541	7,649	255	107	362	5,363	2,648	8,011				147	42	189	309	90	399	147	19	166			
1978	4,715	2,715	7,430	246	109	355	4,961	2,824	7,785				132	65	197	305	117	422	158	20	178			
1979	4,260	2,835	7,095	278	183	461	4,538	3,018	7,556				139	51	190	301	134	435	125	28	153			
1980	4,154	2,831	6,985	267	180	447	4,421	3,011	7,432				120	60	180	315	150	465	155	34	189			
1981	3,753	3,116	6,869	265	189	454	4,018	3,305	7,323				109	101	210	271	163	434	152	28	180			
1982	3,417	3,031	6,448	217	194	411	3,634	3,225	6,859				119	88	207	293	165	458	146	36	182			
1983	2,994	2,925	5,919	240	215	455	3,234	3,140	6,374				136	135	271	277	149	426	154	54	208			
1984	2,826	2,720	5,546	188	229	417	3,014	2,949	5,963				169	162	331	253	141	394	174	53	227			
1985	2,362	2,785	5,147	281	307	588	2,643	3,092	5,735				121	103	224	210	128	338	175	57	232			
1986	2,370	2,820	5,190	278	332	610	2,648	3,152	5,800				97	113	210	245	170	415	192	68	260			
1987	2,235	2,929	5,164	291	399	690	2,526	3,328	5,854				86	126	212	197	151	348	203	80	283			
1988	2,245	3,126	5,371	322	491	813	2,567	3,617	6,184				74	85	159	194	159	353	188	75	263			
1989	2,313	3,408	5,721	314	525	839	2,627	3,933	6,560				99	123	222	226	165	391	175	112	287			
1990	2,393	3,617	6,010	388	558	946	2,781	4,175	6,956				118	184	302	202	183	385	181	92	273			
1991	2,268	3,659	5,927	436	759	1,195	2,704	4,418	7,122				106	165	271	189	175	364	201	112	313			
1992	2,261	3,636	5,897	436	780	1,216	2,697	4,416	7,113				124	162	286	148	134	282	195	122	317			
1993	2,244	3,787	6,031	460	889	1,349	2,704	4,676	7,380				141	255	396	148	153	301	223	125	348			
1994	2,274	3,871	6,145	435	924	1,359	2,709	4,795	7,504				208	367	575	182	173	355	198	122	320			
1995	2,291	3,927	6,218	553	1,066	1,619	2,844	4,993	7,837				270	434	704	187	205	392	218	132	350			
1996	2,311	3,857	6,168	583	1,252	1,835	2,894	5,109	8,003				264	468	732	217	205	422	186	118	304			
1997	2,212	3,556	5,768	691	1,313	2,004	2,903	4,869	7,772				321	538	859	191	209	400	218	140	358			
1998	1,818	2,950	4,768	830	1,802	2,632	2,648	4,752	7,400				351	663	1,014	197	224	421	238	173	411			
1999	1,528	2,348	3,876	1,081	2,184	3,265	2,609	4,532	7,141				315	598	913	172	212	384	221	138	359			
2000	1,115	1,841	2,956	1,432	2,872	4,304	2,547	4,713	7,260				469	800	1,269	154	200	354	174	149	323			
2001	754	1,160	1,914	1,730	3,356	5,086	2,484	4,516	7,000				367	612	979	182	279	461	211	164	375			
2002	540	875	1,415	2,055	4,103	6,158	2,595	4,978	7,573				276	504	780	178	265	443	216	160	376			

(Continued)

Table 3. (Continued)

Year	BS Pharmacy ^a			PharmD1 ^b			First Professional ^c			PharmD2 ^d			MS			PhD		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
2003	303	536	839	2,333	4,316	6,649	2,636	4,852	7,488	338	557	895	199	273	472	210	174	384
2004	153	235	388	2,568	5,202	7,770	2,721	5,437	8,158	277	479	756	274	377	651	176	159	335
2005	16	10	26	2,618	5,624	8,242	2,634	5,634	8,268	241	427	668	233	393	626	215	214	429
2006	0	0	0	2,875	6,165	9,040	2,875	6,165	9,040	202	313	515	241	403	644	252	190	442
2007	0	0	0	3,171	6,641	9,812	3,171	6,641	9,812	97	373	470	236	368	604	220	192	412
2008	0	0	0	3,575	6,925	10,500	3,575	6,925	10,500	225	402	627	275	457	732	262	206	468
2009	0	0	0	3,912	7,076	10,988	3,912	7,076	10,988	179	349	528	371	396	767	228	230	458
2010	0	0	0	4,287	7,200	11,487	4,287	7,200	11,487	191	336	527	343	430	773	243	207	450
2011	0	0	0	4,553	7,378	11,931	4,553	7,378	11,931	167	248	415	352	470	822	250	221	471
2012	0	0	0	4,937	7,782	12,719	4,937	7,782	12,719	163	281	444	298	383	681	275	222	497
2013	0	0	0	5,063	8,144	13,207	5,063	8,144	13,207	132	212	344	265	390	655	293	296	589
2014	0	0	0	5,483	8,355	13,838	5,483	8,355	13,838	110	229	339	340	435	775	298	267	565

^aIncludes BPharm Degree

^bPharmD1 refers to the doctor of pharmacy degree awarded as the first professional degree

^cIncludes BS Pharmacy, BPharm, and PharmD1

^dPharmD2 refers to the doctor of pharmacy degree awarded as a postbaccalaureate degree

(Pharm.D.1). Graduating Pharm.D.1 class sizes ranged from 29 students to 281 students (median, 100 students). Twelve of the 132 colleges and schools of pharmacy did not confer degrees in 2013-14. These schools were new programs whose students had not yet progressed through the entire curriculum (California Health Sciences, Keck Graduate Institute, South Florida, Rosalind Franklin, Manchester, Western New England, Fairleigh Dickinson, D'Youville, Cedarville, South-TN, North Texas, and Marshall).

Table 4. Baccalaureate and Doctor of Pharmacy (Pharm.D.1) Degrees as Percentages of Total First Professional Degrees Conferred 1981-2014

Year	BS Pharmacy ^a n (%)	PharmD1 ^b n (%)	First Professional ^c n
1981	6,869 (93.8)	454 (6.2)	7,323
1982	6,448 (94.0)	411 (6.0)	6,859
1983	5,919 (92.9)	455 (7.1)	6,374
1984	5,546 (93.0)	417 (7.0)	5,963
1985	5,147 (89.7)	588 (10.3)	5,735
1986	5,190 (89.5)	610 (10.5)	5,800
1987	5,164 (88.2)	690 (11.8)	5,854
1988	5,371 (86.9)	813 (13.1)	6,184
1989	5,721 (87.3)	839 (12.7)	6,560
1990	6,010 (86.4)	946 (13.6)	6,956
1991	5,927 (83.2)	1,195 (16.8)	7,122
1992	5,897 (82.9)	1,216 (17.1)	7,113
1993	6,031 (81.7)	1,349 (18.3)	7,380
1994	6,145 (81.9)	1,359 (18.1)	7,504
1995	6,218 (79.3)	1,619 (20.7)	7,837
1996	6,168 (77.1)	1,835 (22.9)	8,003
1997	5,768 (74.2)	2,004 (25.8)	7,772
1998	4,768 (64.4)	2,632 (35.6)	7,400
1999	3,876 (54.3)	3,265 (45.7)	7,141
2000	2,956 (40.7)	4,304 (59.3)	7,260
2001	1,914 (27.3)	5,086 (72.7)	7,000
2002	1,415 (18.7)	6,158 (81.3)	7,573
2003	839 (11.2)	6,649 (88.8)	7,488
2004	388 (4.8)	7,770 (95.2)	8,158
2005	26 (0.3)	8,242 (99.7)	8,268
2006	0 (0.0)	9,040 (100.0)	9,040
2007	0 (0.0)	9,812 (100.0)	9,812
2008	0 (0.0)	10,500 (100.0)	10,500
2009	0 (0.0)	10,988 (100.0)	10,988
2010	0 (0.0)	11,487 (100.0)	11,487
2011	0 (0.0)	11,931 (100.0)	11,931
2012	0 (0.0)	12,719 (100.0)	12,719
2013	0 (0.0)	13,207 (100.0)	13,207
2014	0 (0.0)	13,838 (100.0)	13,838

^aIncludes BPharm degree

^bPharmD1 refers to the doctor of pharmacy degree awarded as the first professional degree

^cIncludes BS Pharmacy, BPharm, and PharmD1

Table 5. Annual Percentage Change in Number of Pharmacy Degrees Conferred 1981-2014 Over Previous Year

Year	First Professional ^a	PharmD2 ^b	MS	PhD
	No. (% Change)	No. (% Change)	No. (% Change)	No. (% Change)
1981	7,323 (-1.5)	210 (+16.7)	434 (-6.7)	180 (-4.8)
1982	6,859 (-6.3)	207 (-1.4)	458 (+5.5)	182 (+1.1)
1983	6,374 (-7.1)	271 (+30.9)	426 (-7.0)	208 (+14.3)
1984	5,963 (-6.4)	331 (+22.2)	394 (-7.5)	227 (+9.1)
1985	5,735 (-3.8)	224 (-32.3)	338 (-14.2)	232 (+2.2)
1986	5,800 (+1.1)	210 (-6.3)	415 (+22.8)	260 (+12.1)
1987	5,854 (+0.9)	212 (+1.0)	348 (-16.1)	283 (+8.8)
1988	6,184 (+5.6)	159 (-25.0)	353 (+1.4)	263 (-7.1)
1989	6,560 (+6.0)	222 (+39.6)	391 (+10.8)	287 (+9.1)
1990	6,956 (+6.0)	302 (+36.0)	385 (-1.5)	273 (-4.9)
1991	7,122 (+2.4)	271 (-10.3)	364 (-5.5)	313 (+14.7)
1992	7,113 (-0.1)	286 (+5.5)	282 (-22.5)	317 (+1.3)
1993	7,380 (+3.8)	396 (+38.5)	301 (+6.7)	348 (+9.8)
1994	7,504 (+1.7)	575 (+45.2)	355 (+17.9)	320 (-8.0)
1995	7,837 (+4.4)	704 (+22.4)	392 (+10.4)	350 (+9.4)
1996	8,003 (+2.1)	732 (+4.0)	422 (+7.7)	304 (-13.1)
1997	7,772 (-2.9)	859 (+17.3)	400 (-5.2)	358 (+17.8)
1998	7,400 (-4.8)	1,014 (+18.0)	421 (+5.3)	411 (+14.8)
1999	7,141 (-3.5)	913 (-10.0)	384 (-8.8)	359 (-12.7)
2000	7,260 (+1.7)	1,269 (+39.0)	354 (-7.8)	323 (-10.0)
2001	7,000 (-3.6)	979 (-22.9)	461 (+30.2)	375 (+16.1)
2002	7,573 (+8.2)	780 (-20.3)	443 (-3.9)	376 (+0)
2003	7,488 (-1.1)	895 (+14.7)	472 (+6.5)	384 (+2.1)
2004	8,158 (+8.9)	756 (-15.5)	651 (+37.9)	335 (-12.8)
2005	8,268 (+1.3)	668 (-11.6)	626 (-3.8)	429 (+28.1)
2006	9,040 (+9.3)	515 (-22.9)	644 (+2.9)	442 (+3.0)
2007	9,812 (+8.5)	470 (-8.7)	604 (-6.2)	412 (-6.8)
2008	10,500 (+7.0)	627 (+33.4)	732 (+21.2)	468 (+13.6)
2009	10,988 (+4.6)	528 (-15.8)	767 (+4.8)	458 (-2.1)
2010	11,487 (+4.5)	527 (-0.2)	773 (+0.8)	450 (-1.7)
2011	11,931 (+3.9)	415 (-21.3)	822 (+6.3)	471 (+4.7)
2012	12,719 (+6.6)	444 (+7.0)	681 (-17.2)	497 (+5.5)
2013	13,207 (+3.8)	344 (-22.5)	655 (-3.8)	589 (+18.5)
2014	13,838 (+4.8)	339 (-1.5)	775 (+18.3)	565 (-4.1)

^aIncludes BS Pharmacy, BPharm, and PharmD1 from 1981-2005. Includes only PharmD1 beginning in 2006

^bPharmD2 refers to the doctor of pharmacy degree awarded as a postbaccalaureate degree

In 2013-14 there were 13,838 first professional degrees conferred by colleges and schools of pharmacy compared to 13,207 in 2012-13. [Table 4]. The total number of first professional degrees conferred in 2013-14 represented a 4.8 percent increase from the total number of first professional degrees conferred in 2012-13 [Table 5].

In 1979-80, men received 59.5 percent of the first professional degrees conferred by colleges and schools of pharmacy and women received 40.5 percent. Over the past 30 years, these percentages have shifted dramatically and, in 2013-14, men received 39.6 percent of the first professional degrees conferred and 60.4 percent of

these degrees were received by women. Women received their highest percentage of degrees conferred in 2004-05 (68.1 percent) and 2005-06 (68.2 percent) [Table 6].

White Americans received 54.7 percent of first professional degrees conferred in 2013-14. Underrepresented minorities received 11.7 percent of the first professional degrees conferred in 2013-14 (black, 6.8 percent; Hispanic/Latino, 4.4 percent; Native Hawaiian/Other Pacific Islander, 0.2 percent; American Indian/Alaska Native, 0.3 percent). Asian Americans received 24.1 percent of the first professional degrees. The percentage of first professional degree recipients who were of two or more races was 1.3 percent and the percentage of

Table 6. Percentage of Pharmacy Degrees Conferred 1980-2014 by Gender

Year	BS Pharmacy ^a		PharmD1 ^b		First Professional ^c		PharmD2 ^d		MS		PhD	
	M	F	M	F	M	F	M	F	M	F	M	F
1980	59.5	40.5	59.7	40.3	59.5	40.5	66.7	33.3	67.7	32.3	82.0	18.0
1981	54.6	45.4	58.4	41.6	54.9	45.1	51.9	48.1	62.4	37.6	84.4	15.6
1982	53.0	47.0	52.8	47.2	53.0	47.0	57.5	42.5	64.0	36.0	80.2	19.8
1983	50.6	49.4	52.7	47.3	50.7	49.3	50.2	49.8	65.0	35.0	74.0	26.0
1984	51.0	49.0	45.1	54.9	50.5	49.5	51.1	48.9	64.2	35.8	76.7	23.3
1985	45.9	54.1	47.8	52.2	46.1	53.9	54.0	46.0	62.1	37.9	75.4	24.6
1986	45.7	54.3	45.6	54.4	45.7	54.3	46.2	53.8	59.0	41.0	73.8	26.2
1987	43.3	56.7	42.2	57.8	43.1	56.9	40.6	59.4	56.6	43.4	71.7	28.3
1988	41.8	58.2	39.6	60.4	41.5	58.5	46.5	53.5	55.0	45.0	71.5	28.5
1989	40.4	59.6	37.4	62.6	40.0	60.0	44.6	55.4	57.8	42.2	61.0	39.0
1990	39.8	60.2	41.0	59.0	40.0	60.0	39.1	60.9	52.5	47.5	66.3	33.7
1991	38.3	61.7	36.5	63.5	38.0	62.0	39.1	60.9	51.9	48.1	64.2	35.8
1992	38.3	61.7	35.9	64.1	37.9	62.1	43.4	56.6	52.5	47.5	61.5	38.5
1993	37.2	62.8	34.1	65.9	36.6	63.4	35.6	64.4	49.2	50.8	64.1	35.9
1994	37.0	63.0	32.0	68.0	36.1	63.9	36.2	63.8	51.3	48.7	61.9	38.1
1995	36.8	63.2	34.2	65.8	36.3	63.7	38.4	61.6	47.7	52.3	62.3	37.7
1996	37.5	62.5	31.8	68.2	36.2	63.8	36.1	63.9	51.4	48.6	61.2	38.8
1997	38.4	61.7	34.5	65.5	37.4	62.6	37.4	62.6	47.8	52.2	60.9	39.1
1998	38.1	61.9	31.5	68.5	35.8	64.2	34.6	65.4	46.8	53.2	57.9	42.1
1999	39.4	60.6	33.1	66.9	36.5	63.5	34.5	65.5	44.8	55.2	61.6	38.4
2000	37.7	62.3	33.3	66.7	35.1	64.9	37.0	63.0	43.5	56.5	53.9	46.1
2001	39.4	60.6	34.0	66.0	35.5	64.5	37.5	62.5	39.5	60.5	56.3	43.7
2002	38.2	61.8	33.4	66.6	34.3	65.7	35.4	64.6	40.2	59.8	57.4	42.6
2003	36.1	63.9	35.1	64.9	35.2	64.8	37.8	62.2	42.2	57.8	54.7	45.3
2004	39.4	60.6	33.1	66.9	33.4	66.6	36.6	63.4	42.1	57.9	52.5	47.5
2005	61.5	38.5	31.8	68.2	31.9	68.1	36.1	63.9	37.2	62.8	50.1	49.9
2006	NA	NA	31.8	68.2	31.8	68.2	39.2	60.8	37.5	62.5	57.0	43.0
2007	NA	NA	32.3	67.7	32.3	67.7	20.6	79.4	39.1	60.9	53.4	46.6
2008	NA	NA	34.0	66.0	34.0	66.0	35.9	64.1	37.6	62.4	56.0	44.0
2009	NA	NA	35.6	64.4	35.6	64.4	33.9	66.1	48.4	51.6	49.8	50.2
2010	NA	NA	37.3	62.7	37.3	62.7	36.2	63.8	44.4	55.6	54.0	46.0
2011	NA	NA	38.2	61.8	38.2	61.8	40.2	59.8	42.8	57.2	53.1	46.9
2012	NA	NA	38.8	61.2	38.8	61.2	36.7	63.3	43.8	56.2	55.3	44.7
2013	NA	NA	38.3	61.7	38.3	61.7	38.4	61.6	40.5	59.5	49.7	50.3
2014	NA	NA	39.6	60.4	39.6	60.4	32.4	67.6	43.9	56.1	52.7	47.3

^aIncludes BPharm degree

^bPharmD1 refers to the doctor of pharmacy degree awarded as the first professional degree

^cIncludes BS Pharmacy, BPharm, and PharmD1 from 1981-2005. Includes only PharmD1 beginning in 2006

^dPharmD2 refers to the doctor of pharmacy degree awarded as a postbaccalaureate degree

NA: Not applicable

recipients who were foreign, nonpermanent residents of the U.S. was 2.2 percent [Table 7].

Doctor of Pharmacy Degrees Conferred to Postbaccalaureate Students

Thirteen colleges and schools conferred the Pharm.D. degree to postbaccalaureate students in 2013-14. The number of graduates per institution ranged from 1 to 128 students (median, 20 students). The number of doctor of pharmacy degrees conferred as postbaccalaureate degrees

(Pharm.D.2) decreased by 1.5 percent to 339 in 2013-14 from 344 in 2012-13 [Table 5]. More women than men received Pharm.D.2 degrees in 2013-14 (women, 67.6 percent; men, 32.4 percent) [Table 6].

White Americans received 35.7 percent of Pharm.D.2 degrees conferred in 2013-14. Underrepresented minorities received 20.9 percent of the Pharm.D.2 degrees conferred (black, 15.3 percent; Hispanic/Latino, 5.0 percent; Native Hawaiian/Other Pacific Islander, 0.0 percent; American Indian/Alaska Native, 0.6 percent).

Table 7. Percentage of First Professional Degree (BS Pharmacy, BPharm, and PharmD) Recipients 1980-2014 by Race/Ethnicity

Year	White ^a n (%)	Black or African American ^a n (%)	Hispanic or Latino ^a n (%)	Asian ^a n (%)	Native Hawaiian or Other Pacific Islander ^a n (%)	American Indian or Alaska Native ^a n (%)	Two or More Races ^a n (%)	Unknown ^a n (%)	International/ Foreign ^b n (%)
1980	6,335 (85.2)	249 (3.4)	277 (3.7)	292 (3.9)	NA	8 (0.1)	NA	49 (0.7)	222 (3.0)
1981	6,205 (84.7)	230 (3.1)	361 (4.9)	288 (3.9)	NA	5 (0.1)	NA	7 (0.1)	227 (3.1)
1982	5,810 (84.7)	250 (3.6)	241 (3.5)	317 (4.6)	NA	13 (0.2)	NA	18 (0.3)	210 (3.1)
1983	5,189 (81.4)	241 (3.8)	261 (4.1)	316 (5.0)	NA	8 (0.1)	NA	93 (1.5)	266 (4.2)
1984	4,676 (78.4)	242 (4.1)	217 (3.6)	339 (5.7)	NA	10 (0.2)	NA	174 (2.9)	305 (5.1)
1985	4,591 (80.1)	250 (4.4)	245 (4.3)	320 (5.6)	NA	6 (0.1)	NA	8 (0.1)	315 (5.5)
1986	4,534 (78.2)	306 (5.3)	217 (3.7)	333 (5.7)	NA	11 (0.2)	NA	0 (0.0)	399 (6.9)
1987	4,559 (77.9)	298 (5.1)	258 (4.4)	371 (6.3)	NA	8 (0.1)	NA	15 (0.3)	345 (5.9)
1988	4,943 (79.9)	282 (4.6)	248 (4.0)	335 (5.4)	NA	12 (0.2)	NA	27 (0.4)	337 (5.4)
1989	5,040 (76.8)	310 (4.7)	249 (3.8)	454 (6.9)	NA	12 (0.2)	NA	90 (1.4)	405 (6.2)
1990	5,303 (76.2)	368 (5.3)	254 (3.7)	586 (8.4)	NA	11 (0.2)	NA	88 (1.3)	346 (5.0)
1991	5,381 (75.6)	350 (4.9)	288 (4.1)	745 (10.5)	NA	20 (0.3)	NA	58 (0.8)	280 (3.9)
1992	5,304 (74.6)	381 (5.4)	289 (4.1)	771 (10.8)	NA	20 (0.3)	NA	40 (0.6)	308 (4.3)
1993	5,346 (72.4)	452 (6.1)	260 (3.5)	873 (11.8)	NA	19 (0.3)	NA	124 (1.7)	306 (4.1)
1994	5,476 (73.0)	385 (5.1)	269 (3.6)	972 (13.0)	NA	23 (0.3)	NA	122 (1.6)	257 (3.4)
1995	5,584 (71.3)	445 (5.7)	282 (3.6)	1,161 (14.8)	NA	28 (0.4)	NA	48 (0.6)	289 (3.7)
1996	5,527 (69.1)	528 (6.6)	266 (3.3)	1,328 (16.6)	NA	25 (0.3)	NA	56 (0.7)	273 (3.4)
1997	5,364 (69.0)	446 (5.7)	282 (3.6)	1,363 (17.5)	NA	34 (0.4)	NA	45 (0.6)	238 (3.1)
1998	5,041 (68.1)	444 (6.0)	264 (3.6)	1,404 (19.0)	NA	26 (0.4)	NA	58 (0.8)	163 (2.2)
1999	4,597 (64.4)	401 (5.6)	266 (3.7)	1,327 (18.6)	NA	36 (0.5)	NA	366 (5.1)	148 (2.1)
2000	4,517 (62.2)	480 (6.6)	287 (4.0)	1,505 (20.7)	NA	44 (0.6)	NA	223 (3.1)	204 (2.8)
2001	4,469 (63.8)	428 (6.1)	253 (3.6)	1,456 (20.8)	NA	26 (0.4)	NA	194 (2.8)	174 (2.5)
2002	4,648 (61.4)	575 (7.6)	303 (4.0)	1,625 (21.5)	NA	47 (0.6)	NA	198 (2.6)	177 (2.3)
2003	4,473 (59.7)	591 (7.9)	310 (4.1)	1,691 (22.6)	NA	38 (0.5)	NA	182 (2.4)	203 (2.7)
2004	4,954 (60.7)	612 (7.5)	295 (3.6)	1,857 (22.8)	NA	32 (0.4)	NA	190 (2.3)	218 (2.7)
2005	5,031 (60.8)	720 (8.7)	361 (4.4)	1,683 (20.4)	NA	52 (0.6)	NA	226 (2.7)	195 (2.4)
2006 ^c	5,650 (62.5)	668 (7.4)	377 (4.2)	1,822 (20.2)	NA	39 (0.4)	NA	265 (2.9)	219 (2.4)
2007	6,182 (63.0)	682 (7.0)	386 (3.9)	1,970 (20.1)	NA	53 (0.5)	NA	337 (3.4)	202 (2.1)
2008	6,560 (62.5)	702 (6.7)	407 (3.9)	2,106 (20.1)	NA	61 (0.6)	NA	424 (4.0)	240 (2.3)
2009	6,660 (60.6)	688 (6.3)	454 (4.1)	2,333 (21.2)	NA	64 (0.6)	NA	497 (4.5)	292 (2.7)
2010	6,880 (59.9)	744 (6.5)	489 (4.3)	2,463 (21.4)	NA	50 (0.4)	NA	602 (5.2)	259 (2.3)
2011	7,136 (59.8)	763 (6.4)	512 (4.3)	2,570 (21.5)	43 (0.4)	42 (0.4)	37 (0.3)	520 (4.4)	308 (2.6)
2012	7,396 (58.1)	832 (6.5)	532 (4.2)	2,784 (21.9)	198 (1.6)	61 (0.5)	98 (0.8)	537 (4.2)	281 (2.2)
2013	7,479 (56.6)	916 (6.9)	563 (4.3)	3,024 (22.9)	45 (0.3)	52 (0.4)	91 (0.7)	744 (5.6)	293 (2.2)
2014	7,564 (54.7)	942 (6.8)	602 (4.4)	3,335 (24.1)	30 (0.2)	44 (0.3)	174 (1.3)	844 (6.1)	303 (2.2)

^aU.S. citizen or permanent resident

^bCitizens of a foreign country/permanent residents of a country other than the U.S.

^cIncludes only PharmD degrees from 2006 onward

NA: Not available

Table 8. Percentage of Postbaccalaureate Doctor of Pharmacy Degree (PharmD2) Recipients 1980-2014 by Race/Ethnicity

Year	White ^a n (%)	Black or African American ^a n (%)	Hispanic or Latino ^a n (%)	Asian ^a n (%)	Native Hawaiian or Other Pacific Islander ^a n (%)	American Indian or Alaska Native ^a n (%)	Two or More Races ^a n (%)	Unknown ^a n (%)	International/ Foreign ^b n (%)
1980	161 (89.4)	4 (2.2)	2 (1.1)	3 (1.7)	NA	0 (0.0)	NA	0 (0.0)	10 (5.6)
1981	171 (81.4)	7 (3.3)	9 (4.3)	5 (2.4)	NA	0 (0.0)	NA	1 (0.5)	17 (8.1)
1982	172 (83.1)	6 (2.9)	3 (1.4)	9 (4.3)	NA	1 (0.5)	NA	0 (0.0)	16 (7.7)
1983	217 (80.1)	23 (8.5)	7 (2.6)	9 (3.3)	NA	0 (0.0)	NA	0 (0.0)	15 (5.5)
1984	268 (81.0)	10 (3.0)	5 (1.5)	8 (2.4)	NA	0 (0.0)	NA	4 (1.2)	36 (10.9)
1985	174 (77.7)	13 (5.8)	2 (0.9)	7 (3.1)	NA	1 (0.4)	NA	6 (2.7)	21 (9.4)
1986	154 (73.3)	15 (7.1)	6 (2.9)	6 (2.9)	NA	0 (0.0)	NA	0 (0.0)	29 (13.8)
1987	170 (80.2)	5 (2.4)	7 (3.3)	6 (2.8)	NA	0 (0.0)	NA	4 (1.9)	20 (9.4)
1988	124 (78.0)	5 (3.1)	1 (0.6)	3 (1.9)	NA	0 (0.0)	NA	0 (0.0)	26 (16.4)
1989	171 (77.0)	9 (4.1)	3 (1.4)	14 (6.3)	NA	0 (0.0)	NA	0 (0.0)	25 (11.3)
1990	244 (80.8)	13 (4.3)	10 (3.3)	10 (3.3)	NA	0 (0.0)	NA	4 (1.3)	21 (7.0)
1991	217 (80.1)	11 (4.1)	4 (1.5)	11 (4.1)	NA	0 (0.0)	NA	2 (0.7)	26 (9.6)
1992	232 (81.1)	15 (5.2)	2 (0.7)	6 (2.1)	NA	0 (0.0)	NA	1 (0.3)	30 (10.5)
1993	308 (77.8)	17 (4.3)	9 (2.3)	16 (4.0)	NA	2 (0.5)	NA	6 (1.5)	38 (9.6)
1994	462 (80.3)	26 (4.5)	12 (2.1)	33 (5.7)	NA	0 (0.0)	NA	1 (0.2)	41 (7.1)
1995	573 (81.4)	38 (5.4)	10 (1.4)	47 (6.7)	NA	2 (0.3)	NA	2 (0.3)	32 (4.5)
1996	589 (80.5)	34 (4.6)	11 (1.5)	55 (7.5)	NA	1 (0.1)	NA	6 (0.8)	36 (4.9)
1997	674 (78.5)	59 (6.9)	5 (0.6)	64 (7.5)	NA	3 (0.4)	NA	12 (1.4)	42 (4.9)
1998	786 (77.5)	41 (4.0)	12 (1.2)	125 (12.3)	NA	0 (0.0)	NA	6 (0.6)	44 (4.3)
1999	627 (68.7)	59 (6.5)	35 (3.8)	108 (11.8)	NA	7 (0.8)	NA	53 (5.8)	24 (2.6)
2000	897 (70.7)	67 (5.3)	54 (4.3)	175 (13.8)	NA	10 (0.8)	NA	31 (2.4)	35 (2.8)
2001	690 (70.0)	62 (6.3)	23 (2.3)	153 (15.6)	NA	9 (0.9)	NA	20 (2.0)	22 (2.2)
2002	533 (68.3)	43 (5.5)	29 (3.7)	125 (16.0)	NA	4 (0.5)	NA	31 (4.0)	15 (1.9)
2003	567 (63.4)	57 (6.4)	34 (3.8)	149 (16.6)	NA	4 (0.4)	NA	60 (6.7)	24 (2.7)
2004	472 (62.4)	80 (10.6)	43 (5.7)	89 (11.8)	NA	4 (0.5)	NA	30 (4.0)	38 (5.0)
2005	351 (52.5)	55 (8.2)	53 (7.9)	86 (12.9)	NA	3 (0.4)	NA	84 (12.6)	36 (5.4)
2006	284 (55.1)	42 (8.2)	29 (5.6)	68 (13.2)	NA	0 (0.0)	NA	54 (10.5)	38 (7.4)
2007	187 (39.8)	97 (20.6)	47 (10.0)	72 (15.3)	NA	3 (0.6)	NA	32 (6.8)	32 (6.8)
2008	344 (54.9)	61 (9.7)	22 (3.5)	103 (16.4)	NA	1 (0.2)	NA	36 (5.7)	60 (9.6)
2009	254 (48.1)	46 (8.7)	23 (4.4)	97 (18.4)	NA	2 (0.4)	NA	35 (6.6)	71 (13.4)
2010	193 (36.6)	53 (10.1)	33 (6.3)	91 (17.3)	NA	2 (0.4)	NA	65 (12.3)	90 (17.1)
2011	162 (39.0)	47 (11.3)	32 (7.7)	79 (19.0)	4 (1.0)	1 (0.2)	0 (0.0)	24 (5.8)	66 (15.9)
2012	182 (41.0)	46 (10.4)	26 (5.9)	96 (21.6)	0 (0.0)	0 (0.0)	0 (0.0)	42 (9.5)	52 (11.7)
2013	139 (40.4)	36 (10.5)	14 (4.1)	66 (19.2)	0 (0.0)	0 (0.0)	0 (0.0)	21 (6.1)	68 (19.8)
2014	121 (35.7)	52 (15.3)	17 (5.0)	79 (23.3)	0 (0.0)	2 (0.6)	1 (0.3)	33 (9.7)	34 (10.0)

^aU.S. citizen or permanent resident^bCitizens of a foreign country/permanent residents of a country other than the U.S.

NA: Not available

Table 9. Summary of Master of Science and Doctor of Philosophy Degrees Conferred 2013-14 by Gender and Discipline

Discipline	MS Degree				PhD Degree			
	M	F	Total	Percent of MS Degrees Conferred	M	F	Total	Percent of PhD Degree Conferred
Medicinal chemistry	35	29	64	8.3	84	54	138	24.4
Pharmacology	71	66	137	17.7	50	51	101	17.9
Social and administrative sciences	63	95	158	20.4	27	32	59	10.4
Pharmacy practice	19	37	56	7.2	10	13	23	4.1
Pharmaceutics	119	146	265	34.2	93	95	188	33.3
Other ^a	33	62	95	12.3	34	22	56	9.9
Total	340	435	775		298	267	565	

^aIncludes Biophysics/Biological & Medical Informatics, Pharmaceutical & Biomedical Science, Clinical Psychopharmacology, Regulatory Affairs & Quality Assurance, and Regulatory Affairs in MS programs and Bioengineering/Biophysics/Biological & Medical Informatics, Pharmaceutical & Biomedical Science, and Pharmaceutical & Pharmacological Sciences in PhD programs

Asian Americans received 23.3 percent of the Pharm.D.2 degrees conferred and students of two or more races received 0.3 of Pharm.D.2 degrees conferred in 2013-14. The percentage of Pharm.D.2 degree recipients who were foreign, nonpermanent residents of the U.S. was 10.0 percent, down from 19.8 percent in 2012-13 [Table 8].

Graduate Degrees Conferred

The number of graduate degrees (M.S. and Ph.D.) conferred has shown annual fluctuations over the 49 years data have been consistently gathered and reported [Table 3]. The number of M.S. degrees conferred increased to 775 in 2013-14 from 655 in 2012-13, an 18.3 percent increase. The number of Ph.D. degrees conferred decreased in 2013-14 to 565 from 589 in 2012-13 (4.1 percent decrease) [Table 5].

The highest percentage of M.S. degrees awarded in 2013-14 (34.2 percent) was in pharmaceutics. The second highest percentage of M.S. degrees was in social and administrative sciences (20.4 percent); followed by pharmacology (17.7 percent); other disciplines (12.3 percent); medicinal chemistry (8.3 percent); and pharmacy practice (7.2 percent). The highest number of Ph.D. degrees awarded in 2013-14 was also in the discipline of pharmaceutics (33.3 percent). The second highest number was in medicinal chemistry (24.4 percent); followed by pharmacology (17.9 percent); social and administrative sciences (10.4 percent); other disciplines (9.9 percent); and pharmacy practice (4.1 percent) [Table 9].

More women than men earned M.S. degrees (women, 56.1 percent; men, 43.9 percent); however, more men than women earned Ph.D. degrees (women, 47.3 percent; men, 52.7 percent) in 2013-14. There have only been two years (2012-13 and 2008-09) since AACPE began collecting data that women received more Ph.D. degrees

than men. The percentage of women receiving Ph.D. degrees decreased from 50.3 percent in 2012-13 to 47.3 percent in 2013-14. The number of Ph.D. degrees received by women has grown substantially from 18.0 percent in 1979-80 [Table 6]. This increase can be partially attributed to an increase in the number of foreign females receiving Ph.D. degrees [Table 10].

Underrepresented minorities received 7.2 percent of the M.S. degrees conferred in 2013-14 (black, 4.9 percent; Hispanic/Latino, 1.9 percent; Native Hawaiian/Other Pacific Islander, 0.4 percent; American Indian/Alaska Native, 0.0 percent), a slight increase from 6.7 percent in 2012-13. Asian Americans received 9.7 percent of the M.S. degrees conferred, down from 11.0 percent in 2012-13. The percentage of M.S. degree recipients who were of two or more races was 0.6 percent and the percent of degree recipients who were foreign, nonpermanent residents of the U.S. was 49.8 percent, up from 48.7 percent in 2012-13 [Table 11].

Underrepresented minorities earned 6.8 percent of the Ph.D. degrees awarded in 2013-14 (black, 4.4 percent; Hispanic/Latino, 1.8 percent; Native Hawaiian/Other Pacific Islander, 0.4 percent; American Indian/Alaska Native, 0.2 percent), a decrease from 7.3 percent in 2012-13. Asian Americans earned 10.4 percent of the Ph.D. degrees awarded. The percentage of Ph.D. degree recipients who were of two or more races was 0.5 percent and the percentage of degree recipients that were foreign, nonpermanent residents of the U.S. was 48.5 percent, down from 49.6 percent in 2012-13 [Table 12].

FALL 2014 ENROLLMENTS

The 2014 Professional Degree Enrollment and Graduate Degree Enrollment Surveys were conducted online in October 2014, with an announcement and request for participation sent to the survey coordinator at each of the

Table 10. Number of Doctor of Philosophy Degrees (PhD) Conferred 1980-2014 by Gender and Race/Ethnicity

Year	Black or African American ^a						Hispanic or Latino ^a						Native Hawaiian or Other Pacific Islander ^a						American Indian or Alaska Native ^a						Two or More Races ^a						International/ ^b Foreign ^b						Total	
	White ^a			African American ^a			Hispanic or Latino ^a			Asian ^a			Native Hawaiian or Other Pacific Islander ^a			Alaska Native ^a			Indian or Alaska Native ^a			More Races ^a			Unknown ^a			Foreign ^b										
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T					
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T					
1980	96	16	112	3	0	3	1	0	1	0	1	10	2	12	NA	NA	NA	0	0	0	NA	NA	NA	2	1	3	43	15	58	155	34	189						
1981	112	21	133	1	0	1	1	0	1	0	1	6	2	8	NA	NA	NA	0	0	0	NA	NA	NA	0	0	0	32	5	37	152	28	180						
1982	105	21	126	1	0	1	1	0	1	0	1	2	1	3	NA	NA	NA	0	0	0	NA	NA	NA	1	0	1	36	14	50	146	36	182						
1983	104	28	132	0	0	0	1	0	1	0	1	6	3	9	NA	NA	NA	0	0	0	NA	NA	NA	3	1	4	40	22	62	154	54	208						
1984	105	30	135	2	0	2	5	2	7	11	2	13	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	6	0	6	45	19	64	174	53	227						
1985	106	34	140	2	0	2	1	1	2	6	4	10	NA	NA	NA	NA	NA	1	0	1	NA	NA	NA	0	0	0	59	18	77	175	57	232						
1986	112	48	160	2	0	2	1	0	1	4	2	6	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	0	0	0	73	18	91	192	68	260						
1987	119	43	162	2	0	2	4	0	4	7	6	13	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	7	1	8	64	30	94	203	80	283						
1988	97	48	145	1	1	2	3	0	3	4	2	6	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	1	1	2	82	23	105	188	75	263						
1989	100	54	154	1	3	4	2	2	4	6	4	10	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	3	3	6	63	46	109	175	112	287						
1990	100	51	151	4	3	7	1	0	1	17	7	24	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	6	2	8	53	29	82	181	92	273						
1991	104	64	168	5	3	8	3	0	3	12	14	26	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	5	0	5	72	31	103	201	112	313						
1992	78	60	138	5	3	8	3	1	4	12	9	21	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	3	1	4	94	48	142	195	122	317						
1993	110	50	160	1	4	5	2	1	3	10	10	20	NA	NA	NA	NA	NA	1	0	1	NA	NA	NA	0	0	0	99	60	159	223	125	348						
1994	95	56	151	2	4	6	2	2	4	16	9	25	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	2	0	2	82	51	133	198	122	320						
1995	95	53	148	5	5	10	1	4	5	20	13	33	NA	NA	NA	NA	NA	1	1	2	NA	NA	NA	3	1	4	93	55	148	218	132	350						
1996	83	52	135	3	6	9	1	4	5	11	12	23	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	2	1	3	86	43	129	186	118	304						
1997	87	58	145	6	4	10	1	2	3	12	13	25	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	7	0	7	105	63	168	218	140	358						
1998	101	65	166	4	10	14	5	1	6	14	18	32	NA	NA	NA	NA	NA	2	0	2	NA	NA	NA	1	3	4	111	76	187	238	173	411						
1999	82	49	131	6	7	13	4	2	6	22	17	39	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	12	3	15	95	60	155	221	138	359						
2000	61	62	123	5	6	11	0	0	0	23	15	38	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	6	14	20	79	52	131	174	149	323						
2001	83	46	129	5	10	15	4	2	6	27	27	54	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	3	1	4	89	78	167	211	164	375						
2002	92	59	151	2	6	8	2	3	5	14	13	27	NA	NA	NA	NA	NA	2	0	2	NA	NA	NA	3	4	7	101	75	176	216	160	376						
2003	77	62	139	5	8	13	7	2	9	19	13	32	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	4	1	5	98	88	186	210	174	384						
2004	67	47	114	6	5	11	2	3	5	15	16	31	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	3	1	4	83	87	170	176	159	335						
2005	66	43	109	10	9	19	5	3	8	10	25	35	NA	NA	NA	NA	NA	1	1	2	NA	NA	NA	3	3	6	120	130	250	215	214	429						
2006	82	45	127	5	12	17	5	3	8	19	15	34	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	2	0	2	139	115	254	252	190	442						
2007	78	50	128	5	11	16	4	4	8	19	16	35	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	1	4	5	113	107	220	220	192	412						
2008	104	60	164	4	7	11	4	5	9	27	19	46	NA	NA	NA	NA	NA	0	2	2	NA	NA	NA	7	8	15	116	105	221	262	206	468						
2009	80	71	151	7	11	18	3	7	10	31	23	54	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	7	7	14	100	111	211	228	230	458						
2010	81	81	162	3	10	13	2	6	8	25	23	48	NA	NA	NA	NA	NA	0	1	1	NA	NA	NA	11	7	18	121	79	200	243	207	450						
2011	74	67	141	11	23	34	7	2	9	28	22	50	2	2	4	0	0	0	0	0	3	2	5	5	11	16	120	92	212	250	221	471						
2012	82	66	148	11	14	25	7	11	18	34	27	61	1	1	0	1	1	1	1	2	2	0	2	21	9	30	116	94	210	275	222	497						
2013	83	74	157	8	14	22	9	11	20	31	37	68	0	0	0	1	0	0	1	1	4	5	9	10	10	20	147	145	292	293	296	589						
2014	103	73	176	11	14	25	4	6	10	26	33	59	0	2	2	0	1	1	1	1	2	1	3	8	7	15	144	130	274	298	267	565						

^aU.S. citizen or permanent resident

^bCitizens of a foreign country/permanent residents of a country other than the U.S.

NA: Not available

Table 11. Percentage of Master of Science (MS) Degree Recipients 1990–2014 by Race/Ethnicity

Year	White ^a n (%)	Black or African American ^a n (%)	Hispanic or Latino ^a n (%)	Asian ^a n (%)	Native Hawaiian or Other Pacific Islander ^a n (%)	American Indian or Alaska Native ^a n (%)	Two or More Races ^a n (%)	Unknown ^a n (%)	International/ Foreign ^b n (%)
1980	299 (64.3)	10 (2.2)	3 (0.6)	27 (5.8)	NA	0 (0.0)	NA	41 (8.8)	85 (18.3)
1981	305 (70.3)	17 (3.9)	2 (0.5)	14 (3.2)	NA	0 (0.0)	NA	1 (0.2)	95 (21.9)
1982	282 (61.6)	5 (1.1)	6 (1.3)	6 (1.3)	NA	1 (0.2)	NA	27 (5.9)	131 (28.6)
1983	282 (66.2)	2 (0.5)	4 (0.9)	10 (2.3)	NA	0 (0.0)	NA	40 (9.4)	88 (20.7)
1984	254 (64.5)	8 (2.0)	4 (1.0)	16 (4.1)	NA	0 (0.0)	NA	21 (5.3)	91 (23.1)
1985	215 (63.6)	10 (3.0)	3 (0.9)	11 (3.3)	NA	0 (0.0)	NA	1 (0.3)	98 (29.0)
1986	282 (68.0)	6 (1.4)	8 (1.9)	7 (1.7)	NA	1 (0.2)	NA	0 (0.0)	111 (26.7)
1987	231 (66.4)	6 (1.7)	4 (1.1)	11 (3.2)	NA	0 (0.0)	NA	14 (4.0)	82 (23.6)
1988	227 (64.3)	12 (3.4)	4 (1.1)	9 (2.5)	NA	2 (0.6)	NA	2 (0.6)	97 (27.5)
1989	234 (59.8)	8 (2.0)	7 (1.8)	16 (4.1)	NA	0 (0.0)	NA	2 (0.5)	124 (31.7)
1990	209 (54.3)	12 (3.1)	11 (2.9)	28 (7.3)	NA	1 (0.3)	NA	8 (2.1)	116 (30.1)
1991	218 (59.9)	13 (3.6)	7 (1.9)	27 (7.4)	NA	0 (0.0)	NA	2 (0.5)	97 (26.6)
1992	140 (49.6)	14 (5.0)	9 (3.2)	14 (5.0)	NA	0 (0.0)	NA	5 (1.8)	100 (35.5)
1993	149 (49.5)	9 (3.0)	20 (6.6)	13 (4.3)	NA	0 (0.0)	NA	5 (1.7)	105 (34.9)
1994	169 (47.6)	8 (2.3)	13 (3.7)	19 (5.4)	NA	0 (0.0)	NA	5 (1.4)	141 (39.7)
1995	206 (52.6)	16 (4.1)	16 (4.1)	32 (8.2)	NA	0 (0.0)	NA	1 (0.3)	121 (30.9)
1996	236 (55.9)	12 (2.8)	16 (3.8)	23 (5.5)	NA	0 (0.0)	NA	8 (1.9)	127 (30.1)
1997	194 (48.5)	18 (4.5)	17 (4.3)	36 (9.0)	NA	0 (0.0)	NA	5 (1.3)	130 (32.5)
1998	213 (50.6)	14 (3.3)	19 (4.5)	38 (9.0)	NA	1 (0.2)	NA	13 (3.1)	123 (29.2)
1999	173 (45.1)	20 (5.2)	8 (2.1)	31 (8.1)	NA	0 (0.0)	NA	19 (4.9)	133 (34.6)
2000	172 (48.6)	13 (3.7)	13 (3.7)	36 (10.2)	NA	1 (0.3)	NA	2 (0.6)	117 (33.1)
2001	214 (46.4)	26 (5.6)	18 (3.9)	46 (10.0)	NA	1 (0.2)	NA	12 (2.6)	144 (31.2)
2002	181 (40.9)	17 (3.8)	16 (3.6)	43 (9.7)	NA	0 (0.0)	NA	15 (3.4)	171 (38.6)
2003	206 (43.6)	35 (7.4)	11 (2.3)	68 (14.4)	NA	0 (0.0)	NA	16 (3.4)	136 (28.8)
2004	280 (43.0)	51 (7.8)	26 (4.0)	89 (13.7)	NA	1 (0.2)	NA	39 (6.0)	165 (25.3)
2005	270 (43.1)	42 (6.7)	19 (3.0)	80 (12.8)	NA	2 (0.3)	NA	69 (11.0)	144 (23.0)
2006	274 (42.5)	52 (8.1)	28 (4.3)	49 (7.6)	NA	2 (0.3)	NA	57 (8.9)	182 (28.3)
2007	278 (46.0)	49 (8.1)	12 (2.0)	84 (13.9)	NA	2 (0.3)	NA	51 (8.4)	128 (21.2)
2008	318 (43.4)	35 (4.8)	33 (4.5)	75 (10.2)	NA	1 (0.1)	NA	64 (8.7)	206 (28.1)
2009	186 (24.3)	30 (3.9)	11 (1.4)	85 (11.1)	NA	0 (0.0)	NA	75 (9.8)	380 (49.5)
2010	222 (28.7)	22 (2.8)	22 (2.8)	78 (10.1)	NA	1 (0.1)	NA	73 (9.4)	355 (45.9)
2011	235 (28.6)	38 (4.6)	16 (1.9)	78 (9.5)	2 (0.2)	2 (0.2)	1 (0.1)	66 (8.0)	384 (46.7)
2012	217 (31.9)	24 (3.5)	15 (2.2)	81 (11.9)	1 (0.1)	4 (0.6)	3 (0.4)	27 (4.0)	309 (45.4)
2013	183 (27.9)	24 (3.7)	15 (2.3)	72 (11.0)	1 (0.2)	3 (0.5)	7 (1.1)	31 (4.7)	319 (48.7)
2014	204 (26.3)	38 (4.9)	15 (1.9)	75 (9.7)	3 (0.4)	0 (0.0)	5 (0.6)	49 (6.3)	386 (49.8)

^aU.S. citizen or permanent resident

^bCitizen of a foreign country/permanent residents of a country other than the U.S.

NA: Not available

Table 12. Percentage of Doctor of Philosophy Degree (PhD) Recipients 1980-2014 by Race/Ethnicity

Year	White ^a n (%)	Black or African American ^a n (%)	Hispanic or Latino ^a n (%)	Asian ^a n (%)	Native Hawaiian or Other Pacific Islander ^a n (%)	American Indian or Alaska Native ^a n (%)	Two or More Races ^a n (%)	Unknown ^a n (%)	International/ Foreign ^b n (%)
1980	112 (59.3)	3 (1.6)	1 (0.5)	12 (6.3)	NA	0 (0.0)	NA	3 (1.6)	58 (30.7)
1981	133 (73.9)	1 (0.6)	1 (0.6)	8 (4.4)	NA	0 (0.0)	NA	0 (0.0)	37 (20.6)
1982	126 (69.2)	1 (0.5)	1 (0.5)	3 (1.6)	NA	0 (0.0)	NA	1 (0.5)	50 (27.5)
1983	132 (63.5)	0 (0.0)	1 (0.5)	9 (4.3)	NA	0 (0.0)	NA	4 (1.9)	62 (29.8)
1984	135 (59.5)	2 (0.9)	7 (3.1)	13 (5.7)	NA	0 (0.0)	NA	6 (2.6)	64 (28.2)
1985	140 (60.3)	2 (0.9)	2 (0.9)	10 (4.3)	NA	1 (0.4)	NA	0 (0.0)	77 (33.2)
1986	160 (61.5)	2 (0.8)	1 (0.4)	6 (2.3)	NA	0 (0.0)	NA	0 (0.0)	91 (35.0)
1987	162 (57.2)	2 (0.7)	4 (1.4)	13 (4.6)	NA	0 (0.0)	NA	8 (2.8)	94 (33.2)
1988	145 (55.1)	2 (0.8)	3 (1.1)	6 (2.3)	NA	0 (0.0)	NA	2 (0.8)	105 (39.9)
1989	154 (53.7)	4 (1.4)	4 (1.4)	10 (3.5)	NA	0 (0.0)	NA	6 (2.1)	109 (38.0)
1990	151 (55.3)	7 (2.6)	1 (0.4)	24 (8.8)	NA	0 (0.0)	NA	8 (2.9)	82 (30.0)
1991	168 (53.7)	8 (2.6)	3 (1.0)	26 (8.3)	NA	0 (0.0)	NA	5 (1.6)	103 (32.9)
1992	138 (43.5)	8 (2.5)	4 (1.3)	21 (6.6)	NA	0 (0.0)	NA	4 (1.3)	142 (44.8)
1993	160 (46.0)	5 (1.4)	3 (0.9)	20 (5.7)	NA	1 (0.3)	NA	0 (0.0)	159 (45.7)
1994	150 (46.9)	6 (1.9)	4 (1.3)	25 (7.8)	NA	0 (0.0)	NA	2 (0.6)	133 (41.6)
1995	148 (42.3)	10 (2.9)	5 (1.4)	33 (9.4)	NA	2 (0.6)	NA	4 (1.1)	148 (42.3)
1996	135 (44.4)	9 (3.0)	5 (1.6)	23 (7.6)	NA	0 (0.0)	NA	3 (1.0)	129 (42.4)
1997	145 (40.5)	10 (2.8)	3 (0.8)	25 (7.0)	NA	0 (0.0)	NA	7 (2.0)	168 (46.9)
1998	166 (40.4)	14 (3.4)	6 (1.5)	32 (7.8)	NA	2 (0.5)	NA	4 (1.0)	187 (45.5)
1999	131 (36.5)	13 (3.6)	6 (1.7)	39 (10.9)	NA	0 (0.0)	NA	15 (4.2)	155 (43.2)
2000	123 (38.1)	11 (3.4)	0 (0.0)	38 (11.8)	NA	0 (0.0)	NA	20 (6.2)	131 (40.6)
2001	129 (34.4)	15 (4.0)	6 (1.6)	54 (14.4)	NA	0 (0.0)	NA	4 (1.1)	167 (44.5)
2002	151 (40.2)	8 (2.1)	5 (1.3)	27 (7.2)	NA	2 (0.5)	NA	7 (1.9)	176 (46.8)
2003	139 (36.2)	13 (3.4)	9 (2.3)	32 (8.3)	NA	0 (0.0)	NA	5 (1.3)	186 (48.4)
2004	114 (34.0)	11 (3.3)	5 (1.5)	31 (9.3)	NA	0 (0.0)	NA	4 (1.2)	170 (50.7)
2005	109 (25.4)	19 (4.4)	8 (1.9)	35 (8.2)	NA	2 (0.5)	NA	6 (1.4)	250 (58.3)
2006	127 (28.7)	17 (3.8)	8 (1.8)	34 (7.7)	NA	0 (0.0)	NA	2 (0.5)	254 (57.5)
2007	128 (31.1)	16 (3.9)	8 (1.9)	35 (8.5)	NA	0 (0.0)	NA	5 (1.2)	220 (53.4)
2008	164 (35.0)	11 (2.4)	9 (1.9)	46 (9.8)	NA	2 (0.4)	NA	15 (3.2)	221 (47.2)
2009	151 (33.0)	18 (3.9)	10 (2.2)	54 (11.8)	NA	0 (0.0)	NA	14 (3.1)	211 (46.1)
2010	162 (36.0)	13 (2.9)	8 (1.8)	48 (10.7)	NA	1 (0.2)	NA	18 (4.0)	200 (44.4)
2011	141 (29.9)	34 (7.2)	9 (1.9)	50 (10.6)	4 (0.8)	0 (0.0)	5 (1.1)	16 (3.4)	212 (45.0)
2012	148 (29.8)	25 (5.0)	18 (3.6)	61 (12.3)	1 (0.2)	2 (0.4)	2 (0.4)	30 (6.0)	210 (42.3)
2013	157 (26.7)	22 (3.7)	20 (3.4)	68 (11.5)	0 (0.0)	1 (0.2)	9 (1.5)	20 (3.4)	292 (49.6)
2014	176 (31.2)	25 (4.4)	10 (1.8)	59 (10.4)	2 (0.4)	1 (0.2)	3 (0.5)	15 (2.7)	274 (48.5)

^aU.S. citizen or permanent resident

^bNonpermanent resident/citizen of a country other than the United States

Table 13. Summary of Enrollments in First Professional Degree Programs 1980-2014

Year	First Professional Year Classes, ^a	All Professional Years, ^b	Total Enrollment,
	No. (% Change)	No. (% Change)	No. (% Change)
1980	7,377	22,093	26,617
1981	6,927 (-6.1)	20,468 (-7.4)	24,658 (-7.4)
1982	6,609 (-4.6)	19,350 (-5.5)	23,410 (-5.1)
1983	6,635 (0.4)	18,831 (-2.7)	23,091 (-1.4)
1984	6,986 (5.3)	18,646 (-1.0)	23,312 (1.0)
1985	7,091 (1.5)	19,098 (2.4)	24,820 (6.5)
1986	7,554 (6.5)	20,073 (5.1)	25,643 (3.3)
1987	7,751 (2.6)	21,424 (6.7)	27,292 (6.4)
1988	7,990 (3.1)	22,447 (4.8)	28,891 (5.9)
1989	8,033 (0.5)	23,013 (2.5)	29,560 (2.3)
1990	8,267 (2.9)	23,238 (1.0)	29,797 (0.8)
1991	8,343 (0.9)	23,482 (1.1)	30,314 (1.7)
1992	8,664 (3.8)	26,287 (NA)	31,519 (4.0)
1993	8,970 (3.5)	27,143 (3.3)	32,938 (4.5)
1994	9,157 (2.1)	27,667 (1.9)	33,353 (1.3)
1995	8,740 (-4.6)	28,060 (1.4)	33,415 (0.2)
1996	9,561 (9.4)	28,027 (-0.1)	33,059 (-1.1)
1997	8,571 (-10.4)	28,345 (1.1)	32,529 (-1.6)
1998	8,346 (-2.6)	28,568 (0.8)	33,090 (1.7)
1999	8,123 (-2.7)	29,586 (3.6)	32,537 (-1.7)
2000	8,382 (3.2)	30,301 (2.4)	34,481 (6.0)
2001	8,922 (6.4)	31,769 (4.8)	35,885 (4.1)
2002	9,128 (2.3)	33,437 (5.3)	38,902 (8.4)
2003	9,909 (8.6)	36,454 (9.0)	41,762 (10.7)
2004	10,437 (5.3)	38,544 (5.7)	43,908 (— ^c)
2005	10,506 (0.7)	41,165 (6.8)	46,527 (6.0)
2006	10,992 (4.6)	43,106 (4.7)	48,592 (4.4)
2007	11,533 (4.9)	45,594 (5.8)	50,691 (4.3)
2008	12,379 (7.1)	47,986 (5.2)	52,685 (3.9)
2009	12,705 (2.6)	49,964 (4.1)	54,710 (3.8)
2010	13,077 (2.9)	51,920 (3.9)	56,841 (3.9)
2011	13,464 (3.0)	54,054 (4.1)	58,915 (3.6)
2012	14,011 (4.1)	56,489 (4.5)	61,275 (4.0)
2013	14,008 (0.0)	58,121 (2.9)	62,743 (2.4)
2014	14,276 (1.9)	59,370 (2.1)	63,927 (1.9)

^aIncludes second from last year for baccalaureate and third from last year for Pharm.D. and does not include first year enrollees in accelerated programs from 1980-2005. Includes third from last year Pharm.D. beginning in 2006

^bIncludes the final three years only of all first professional degree programs for 1980-1991; includes all professional years for 1992-present (3 years for baccalaureate and 4 years for Pharm.D.)

^cNot able to calculate percent change due to change in how data are reported by select institutions

133 colleges and schools of pharmacy in the U.S. recognized by ACPE. Submission of the data was requested by December 2014. After follow-up correspondence, 127 colleges and schools (97.7 percent) submitted the requested information.

Professional Degree Programs

Fall 2014 enrollments in the Pharm.D. as the first professional degree programs (n=63,927) represented a 1.9 percent increase from enrollments in fall 2013

(n=62,743) [Table 13]. In fall 2014, 61.4 percent of the students enrolled in the Pharm.D. as the first professional degree programs were females and 38.6 percent were males [Table 14].

White Americans comprised the majority (52.2 percent) of students enrolled in the Pharm.D. as the first professional degree programs. Asian Americans accounted for 25.0 percent; black Americans, 7.3 percent; Hispanic/Latino Americans, 4.5 percent; Native Hawaiians/Other Pacific Islanders, 0.2 percent; American Indians/Alaska

Table 14. Summary of Enrollments in First Professional Degree Programs by Gender 1980-2014

Year	Male		Female		Total Enrollment	
	No. (%)	% Change from Previous Year	No. (%)	% Change from Previous Year	No.	% Change from Previous Year
1980	13,992 (52.6)		12,625 (47.4)		26,617	
1981	12,413 (50.3)	-11.3	12,245 (49.7)	-3.0	24,658	-7.4
1982	11,271 (48.1)	-9.2	12,139 (51.9)	-0.9	23,410	-5.1
1983	10,984 (47.6)	-2.5	12,107 (52.4)	-0.3	23,091	-1.4
1984	10,345 (44.4)	-5.8	12,967 (55.6)	7.1	23,312	1.0
1985	10,685 (43.0)	3.3	14,135 (57.0)	9.0	24,820	6.5
1986	10,628 (41.4)	-0.5	15,015 (58.6)	6.2	25,643	3.3
1987	10,907 (40.0)	2.6	16,385 (60.0)	9.1	27,292	6.4
1988	11,382 (39.4)	4.4	17,509 (60.6)	6.9	28,891	5.9
1989	11,350 (38.4)	-0.3	18,210 (61.6)	4.0	29,560	2.3
1990	11,198 (37.6)	-1.3	18,599 (62.4)	2.1	29,797	0.8
1991	11,219 (37.0)	0.2	19,095 (63.0)	2.7	30,314	1.7
1992	11,543 (36.6)	2.9	19,976 (63.4)	4.6	31,519	4.0
1993	12,117 (36.8)	5.0	20,821 (63.2)	4.2	32,938	4.5
1994	12,243 (36.7)	1.0	21,110 (63.3)	1.4	33,353	1.3
1995	12,221 (36.6)	-0.2	21,194 (63.4)	0.4	33,415	0.2
1996	11,966 (36.2)	-2.1	21,093 (63.8)	-0.5	33,059	-1.1
1997	11,652 (35.8)	-2.6	20,877 (64.2)	-1.0	32,529	-1.6
1998	11,777 (35.6)	1.1	21,313 (64.4)	2.1	33,090	1.7
1999	11,411 (35.1)	-3.1	21,126 (64.9)	-0.9	32,537	-1.7
2000	11,763 (34.1)	3.1	22,718 (65.9)	7.5	34,481	6.0
2001	12,253 (34.1)	4.2	23,632 (65.9)	4.0	35,885	4.1
2002	12,815 (33.0)	4.6	26,087 (67.0)	9.1	38902	8.4
2003	13,874 (33.2)	11.3	27,888 (66.8)	10.3	41,762	10.7
2004 ^a	14,696 (33.5)	—	29,212 (66.5)	—	43,908	—
2005	16,069 (34.5)	9.3	30,458 (65.5)	4.3	46,527	6.0
2006 ^b	17,397 (35.8)	8.3	31,195 (64.2)	2.4	48,592	4.4
2007	18,735 (37.0)	7.7	31,956 (63.0)	2.4	50,691	4.3
2008	19,896 (37.8)	6.2	32,744 (62.2)	2.5	52,685	3.9
2009	21,158 (38.7)	6.3	33,552 (61.3)	2.5	54,710	3.8
2010	22,194 (39.0)	4.9	34,647 (61.0)	3.3	56,841	3.9
2011	23,100 (39.2)	4.1	35,815 (60.8)	3.4	58,915	3.6
2012	23,900 (39.0)	3.5	37,375 (61.0)	4.4	61,275	4.0
2013	24,326 (38.8)	1.8	38,417 (61.2)	2.8	62,743	2.4
2014	24,655 (38.6)	1.4	39,272 (61.4)	2.2	63,927	1.9

^aNot able to calculate percent change due to change in how data is reported by select institutions

^bIncludes only Pharm.D.1 degrees beginning in 2006

Natives, 0.3 percent; and international/foreign students, 3.0 percent. Students that identified as two or more races accounted for 2.1 percent of all first professional degree enrollments. Over five percent (5.3 percent) of enrollees were listed as race/ethnicity unknown. Enrollments of underrepresented minorities (black, Hispanic/Latino, Native Hawaiian/Other Pacific Islander, American Indian/Alaska Native) as a percentage of total enrollments in the Pharm.D. as the first professional degree programs increased to 12.4 percent in fall 2014 from 11.9 percent in fall 2013 [Table 15].

Eleven colleges and schools reported 935 students who already held a baccalaureate in pharmacy enrolled in doctor of pharmacy degree programs (Pharm.D.2). This was a decrease of 16.4 percent from fall 2013. Underrepresented minorities accounted for 19.3 percent of these students (black, 16.6 percent; Hispanic, 2.2 percent; Native Hawaiians/Other Pacific Islander, 0.0 percent; American Indians/Alaska Native, 0.4 percent). White Americans comprised 32.5 percent; Asian Americans, 21.3 percent; students of two or more races, 0.0 percent; unknown, 14.8 percent; and foreign students, 12.1 percent.

Table 15. Summary of Enrollments in First Professional Degree Programs by Race/Ethnicity 1980-2014

Year	Black or African American ^a	% Change From Previous Year	Hispanic or Latino ^a	% Change From Previous Year	Asian ^a	% Change From Previous Year	Native Hawaiian or Other Pacific Islander ^a	% Change From Previous Year	American Indian or Alaska Native ^a	% Change From Previous Year	Two or More Races ^a	% Change From Previous Year
1980 ^b	945		934		1,035		NA		36		NA	
1981 ^b	932	-1.4	787	-15.7	1,040	0.5	NA	NA	38	5.6	NA	NA
1982 ^b	935	0.3	784	-0.4	1,072	3.1	NA	NA	36	-5.6	NA	NA
1983 ^b	1,019	9.0	787	0.4	922	-14.0	NA	NA	42	16.7	NA	NA
1984 ^b	1,098	7.8	763	-3.0	1,086	17.8	NA	NA	37	-11.9	NA	NA
1985	1,664	NA	927	NA	1,410	NA	NA	NA	42	NA	NA	NA
1986	1,647	-1.0	1,018	9.8	1,740	23.4	NA	NA	39	-7.1	NA	NA
1987	1,729	5.0	1,055	3.6	2,000	14.9	NA	NA	45	15.4	NA	NA
1988	1,891	9.4	1,089	3.2	2,362	18.1	NA	NA	78	73.3	NA	NA
1989	1,983	4.9	1,096	0.6	2,706	14.6	NA	NA	81	3.8	NA	NA
1990	2,103	6.1	1,118	2.0	3,346	23.7	NA	NA	85	4.9	NA	NA
1991	2,395	13.9	1,055	-5.6	3,540	5.8	NA	NA	98	15.3	NA	NA
1992	2,340	-2.3	1,088	3.1	4,135	16.8	NA	NA	96	-2.0	NA	NA
1993	2,380	1.7	1,143	5.1	4,731	14.4	NA	NA	128	33.3	NA	NA
1994	2,582	8.5	1,171	2.4	5,408	14.3	NA	NA	128	0.0	NA	NA
1995	2,548	-1.3	1,150	-1.8	5,695	5.3	NA	NA	151	18.0	NA	NA
1996	2,529	-0.7	1,140	-0.9	6,152	8.0	NA	NA	147	-2.6	NA	NA
1997	2,632	4.1	1,130	-0.9	6,451	4.9	NA	NA	150	2.0	NA	NA
1998	2,757	4.7	1,157	2.4	6,741	4.5	NA	NA	160	6.7	NA	NA
1999	2,697	-2.2	1,086	-6.1	6,414	-4.9	NA	NA	156	-2.5	NA	NA
2000	3,132	16.1	1,255	15.6	7,392	15.2	NA	NA	137	-12.2	NA	NA
2001	3,407	8.8	1,322	5.3	7,405	0.2	NA	NA	179	30.7	NA	NA
2002	3,826	12.3	1,466	10.9	8,263	11.6	NA	NA	168	-6.1	NA	NA
2003	4,183	9.3	1,605	9.5	8,991	8.8	NA	NA	191	13.7	NA	NA
2004 ^e	3,784	—	1,691	—	9,103	—	NA	NA	210	—	NA	NA
2005	3,703	-2.1	1,778	5.1	9,690	6.1	NA	NA	234	11.4	NA	NA
2006 ^d	3,275	-11.6	1,888	6.2	10,312	6.4	NA	NA	220	-6.0	NA	NA
2007	3,229	-1.4	2,044	8.3	10,974	6.4	NA	NA	248	12.7	NA	NA
2008	3,395	5.1	2,186	6.9	11,638	6.1	NA	NA	263	6.0	NA	NA
2009	3,581	5.5	2,278	4.2	12,497	7.4	NA	NA	264	0.4	NA	NA
2010	3,711	3.6	2,369	4.0	13,666	9.4	NA	NA	259	-1.9	NA	NA
2011 ^e	3,964	—	2,317	—	14,124	—	264	—	205	—	629	—

(Continued)

Table 15. (Continued)

Year	Black or African American ^a	% Change From Previous Year	Hispanic or Latino ^a	% Change From Previous Year	Asian ^a	Native				% Change From Previous Year	% Change From Previous Year	% Change From Previous Year	% Change From Previous Year
						% Change From Previous Year	Hawaiian or Other Pacific Islander ^a	American Indian or Alaska Native ^a	Two or More Races ^a				
2012	4,226	6.6	2,537	9.5	14,441	2.2	594	125.0	238	16.1	968	53.9	
2013	4,376	3.5	2,681	5.7	15,438	6.9	203	-65.8	222	-6.7	1,172	21.1	
2014	4,690	7.2	2,907	8.4	15,955	3.3	152	-25.1	205	-7.7	1,370	16.9	

^aU.S. citizen or permanent resident

^bTotals for 1980 - 1984 are for enrollments in final three years of program only

^cNot able to calculate percent change due to change in how data are reported

^dIncludes B.S. Pharmacy, B.Pharm., and Pharm.D.1 from 1980-2005. Includes only Pharm.D.1 beginning in 2006

NA Not available

Graduate Degree Programs

In fall 2014, the discipline of pharmaceuticals had the highest percentage of full-time enrollees at both the M.S. and Ph.D. levels (36.2 percent and 35.4 percent, respectively). At the master's level, 21.3 percent of the students were enrolled in social and administrative sciences programs; 19.3 percent in pharmacology programs; 9.1 percent in pharmacy practice programs; 8.5 percent in medicinal chemistry programs; and 5.6 percent in other disciplines. At the doctoral level, 24.5 percent of the students were enrolled in medicinal chemistry programs; 17.9 percent in pharmacology programs; 11.0 percent in social and administrative science programs; 7.6 percent in other disciplines; and 3.6 percent in pharmacy practice [Table 16].

In fall 2014, more females than males were enrolled full-time in M.S. degree programs (females, 56.3 percent; males, 43.8 percent). Women accounted for 47.0 percent of the students enrolled full-time in Ph.D. programs in 2014, an increase from 46.7 percent in 2013.

Of the 992 students enrolled full-time in M.S. degree programs in fall 2014, the majority (59.4 percent) were foreign students. White Americans comprised 23.1 percent of enrollees and Asian Americans accounted for 9.1 percent. Underrepresented minorities accounted for 5.6 percent of M.S. enrollees (black, 2.7 percent; Hispanic/Latino, 2.2 percent; Native Hawaiian/Other Pacific Islander, 0.6 percent; American Indian/Alaska Native, 0.1 percent). Americans of two or more races made up 1.1 percent of enrollees and 1.7 percent of all full-time M.S. degree enrollees were reported as race/ethnicity unknown.

Of the 3,086 students enrolled full-time in Ph.D. degree programs in fall 2014, foreign students were also the largest group, accounting for 51.7 percent of the enrollees. White Americans were the next largest group at 30.6 percent of full time enrollments followed by Asian Americans at 8.3 percent. Underrepresented minorities accounted for 6.7 percent of Ph.D. enrollees (black, 3.8 percent; Hispanic Americans, 2.3 percent; Native Hawaiian/Other Pacific Islander Americans, 0.3 percent; American Indian/Alaska Natives, 0.3 percent). Americans of two or more races accounted for 0.6 percent. 2.2 percent of all full-time Ph.D. degree enrollees were reported as unknown. Over 40 percent (42.2) of full-time and part-time students in Ph.D. programs held a professional pharmacy degree, 11.1 percent of Ph.D. students held a professional pharmacy degree from a U.S. college or school of pharmacy and 31.2 percent held a pharmacy degree conferred by a non-U.S. institution [Table 17].

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The American Association of Colleges of Pharmacy wishes to express its appreciation to the deans of its member

Table 16. Summary of Master of Science (MS) and Doctor of Philosophy (PhD) Fall 2014 Full-Time Enrollments by Gender and Discipline

Discipline	MS Degree				PhD Degree			
	M	F	T	Percent of MS Program Enrollments	M	F	T	Percent of PhD Program Enrollments
Medicinal Chemistry	50	34	84	8.5	445	311	756	24.5
Pharmacology	75	117	192	19.3	269	284	553	17.9
Social and Administrative Sciences	97	114	211	21.3	149	189	338	11.0
Pharmacy Practice	37	53	90	9.1	52	59	111	3.6
Pharmaceutics	145	214	359	36.2	582	510	1,092	35.4
Other ^a	30	26	56	5.6	138	98	236	7.6
Total	434	558	992		1,635	1,451	3,086	

a:Includes Biophysics, Clinical Psychopharmacology, Undecided, Regulatory Affairs, Nutrition and Pharmaceutical/Chemical Product Development for MS programs and Bioengineering/Biophysics/Biological & Medical Informatics, Pharmaceutical & Biomedical Science, Translational Science, No concentration, and Pharmaceutical and Pharmacological Sciences for Ph.D. programs

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This report is an excerpt from the *Profile of Pharmacy Students—Fall 2014*, published by the American Association of Colleges of Pharmacy (2015).

Table 17. Fall 2014 Enrollments in PhD Programs by Type of Enrollment (Full-Time, Part-Time), Discipline, and Source of Previous Degree Earned^a

	U.S. School		Canadian School		Foreign School		All Schools	
	Pharm	Non pharm	Pharm	Non pharm	Pharm	Non pharm	Pharm	Non pharm
Full-Time								
Medicinal Chemistry	59	326	0	2	126	150	185	478
Pharmacology	33	215	0	0	178	103	211	318
Social and Admin. Sciences	56	77	1	0	114	61	171	138
Pharmacy Practice	35	29	0	0	26	10	61	39
Pharmaceutics	80	279	0	3	382	179	462	461
Other	13	37	0	0	9	23	22	60
Total full-time	276	963	1	5	835	526	1,112	1,494
Part-Time								
Medicinal Chemistry	3	8	0	0	3	6	6	14
Pharmacology	13	21	0	0	6	10	19	31
Social and Admin. Sciences	6	33	0	1	5	6	11	40
Pharmacy Practice	0	0	0	0	0	0	0	0
Pharmaceutics	5	5	0	0	7	3	12	8
Other	1	0	0	0	0	1	1	1
Total part-time	28	67	0	1	21	26	49	94

^aIncludes only those students for whom source of degree was reported