

Table 5

## Number of Pharmacy Degrees Conferred 1965–2019

by Degree and Gender (Totals for all schools and colleges of pharmacy in the U.S. and Puerto Rico)

Year	B.S. Pharmacy <sup>a</sup>				Pharm.D.1 <sup>b</sup>				First Professional <sup>c</sup>			
	Male	Female	Unknown/Other Gender	Total	Male	Female	Unknown/Other Gender	Total	Male	Female	Unknown/Other Gender	Total
1965	2,723	454	NA	3,177	162	21	NA	183	2,885	475	NA	3,360
1966	2,970	500	NA	3,470	161	28	NA	189	3,131	528	NA	3,659
1967	3,078	493	NA	3,571	136	37	NA	173	3,214	530	NA	3,744
1968	3,194	572	NA	3,766	183	39	NA	222	3,377	611	NA	3,988
1969	3,384	695	NA	4,079	178	31	NA	209	3,562	726	NA	4,288
1970	3,664	853	NA	4,517	192	49	NA	241	3,856	902	NA	4,758
1971	3,589	935	NA	4,524	160	63	NA	223	3,749	998	NA	4,747
1972	3,498	1,072	NA	4,570	215	73	NA	288	3,713	1,145	NA	4,858
1973	3,674	1,259	NA	4,933	184	67	NA	251	3,858	1,326	NA	5,184
1974	4,104	1,559	NA	5,663	205	89	NA	294	4,309	1,648	NA	5,957
1975	4,607	1,792	NA	6,399	218	95	NA	313	4,825	1,887	NA	6,712
1976	4,940	2,165	NA	7,105	250	109	NA	359	5,190	2,274	NA	7,464
1977	5,108	2,541	NA	7,649	255	107	NA	362	5,363	2,648	NA	8,011
1978	4,715	2,715	NA	7,430	246	109	NA	355	4,961	2,824	NA	7,785
1979	4,260	2,835	NA	7,095	278	183	NA	461	4,538	3,018	NA	7,556
1980	4,154	2,831	NA	6,985	267	180	NA	447	4,421	3,011	NA	7,432
1981	3,753	3,116	NA	6,869	265	189	NA	454	4,018	3,305	NA	7,323
1982	3,417	3,031	NA	6,448	217	194	NA	411	3,634	3,225	NA	6,859
1983	2,994	2,925	NA	5,919	240	215	NA	455	3,234	3,140	NA	6,374
1984	2,826	2,720	NA	5,546	188	229	NA	417	3,014	2,949	NA	5,963
1985	2,362	2,785	NA	5,147	281	307	NA	588	2,643	3,092	NA	5,735
1986	2,370	2,820	NA	5,190	278	332	NA	610	2,648	3,152	NA	5,800
1987	2,235	2,929	NA	5,164	291	399	NA	690	2,526	3,328	NA	5,854
1988	2,245	3,126	NA	5,371	322	491	NA	813	2,567	3,617	NA	6,184
1989	2,313	3,408	NA	5,721	314	525	NA	839	2,627	3,933	NA	6,560
1990	2,393	3,617	NA	6,010	388	558	NA	946	2,781	4,175	NA	6,956
1991	2,268	3,659	NA	5,927	436	759	NA	1,195	2,704	4,418	NA	7,122
1992	2,261	3,636	NA	5,897	436	780	NA	1,216	2,697	4,416	NA	7,113
1993	2,244	3,787	NA	6,031	460	889	NA	1,349	2,704	4,676	NA	7,380
1994	2,274	3,871	NA	6,145	435	924	NA	1,359	2,709	4,795	NA	7,504
1995	2,291	3,927	NA	6,218	553	1,066	NA	1,619	2,844	4,993	NA	7,837
1996	2,311	3,857	NA	6,168	583	1,252	NA	1,835	2,894	5,109	NA	8,003
1997	2,212	3,556	NA	5,768	691	1,313	NA	2,004	2,903	4,869	NA	7,772
1998	1,818	2,950	NA	4,768	830	1,802	NA	2,632	2,648	4,752	NA	7,400
1999	1,528	2,348	NA	3,876	1,081	2,184	NA	3,265	2,609	4,532	NA	7,141
2000	1,115	1,841	NA	2,956	1,432	2,872	NA	4,304	2,547	4,713	NA	7,260
2001	754	1,160	NA	1,914	1,730	3,356	NA	5,086	2,484	4,516	NA	7,000
2002	540	875	NA	1,415	2,055	4,103	NA	6,158	2,595	4,978	NA	7,573
2003	303	536	NA	839	2,333	4,316	NA	6,649	2,636	4,852	NA	7,488
2004	153	235	NA	388	2,568	5,202	NA	7,770	2,721	5,437	NA	8,158
2005	16	10	NA	26	2,618	5,624	NA	8,242	2,634	5,634	NA	8,268
2006	0	0	NA	0	2,875	6,165	NA	9,040	2,875	6,165	NA	9,040
2007	0	0	NA	0	3,171	6,641	NA	9,812	3,171	6,641	NA	9,812
2008	0	0	NA	0	3,575	6,925	NA	10,500	3,575	6,925	NA	10,500
2009	0	0	NA	0	3,912	7,076	NA	10,988	3,912	7,076	NA	10,988
2010	0	0	NA	0	4,287	7,200	NA	11,487	4,287	7,200	NA	11,487
2011	0	0	NA	0	4,553	7,378	NA	11,931	4,553	7,378	NA	11,931
2012	0	0	NA	0	4,937	7,782	NA	12,719	4,937	7,782	NA	12,719
2013	0	0	NA	0	5,063	8,144	NA	13,207	5,063	8,144	NA	13,207
2014	0	0	NA	0	5,483	8,355	NA	13,838	5,483	8,355	NA	13,838
2015	0	0	NA	0	5,369	8,625	NA	13,994	5,369	8,625	NA	13,994
2016	0	0	NA	0	5,635	8,921	NA	14,556	5,635	8,921	NA	14,556
2017	0	0	0	0	5,524	8,970	8	14,502	5,524	8,970	8	14,502
2018	0	0	0	0	5,639	9,246	20	14,905	5,639	9,246	20	14,905
2019	0	0	0	0	5,526	9,180	94	14,800	5,526	9,180	94	14,800

(continued on the following page)

Table 5 (continued)

## Number of Pharmacy Degrees Conferred 1965–2019

by Degree and Gender (Totals for all schools and colleges of pharmacy in the U.S. and Puerto Rico)

Year	Pharm.D.2 <sup>d</sup>				M.S.				Ph.D.			
	Male	Female	Unknown/Other Gender	Total	Male	Female	Unknown/Other Gender	Total	Male	Female	Unknown/Other Gender	Total
1965	NA	NA	NA	NA	150	26	NA	176	105	3	NA	108
1966	NA	NA	NA	NA	152	38	NA	190	108	15	NA	123
1967	NA	NA	NA	NA	235	32	NA	267	118	8	NA	126
1968	NA	NA	NA	NA	219	44	NA	263	124	10	NA	134
1969	NA	NA	NA	NA	235	42	NA	277	136	9	NA	145
1970	NA	NA	NA	NA	236	54	NA	290	131	10	NA	141
1971	NA	NA	NA	NA	219	56	NA	275	169	8	NA	177
1972	NA	NA	NA	NA	205	56	NA	261	155	13	NA	168
1973	99	18	NA	117	273	53	NA	326	172	15	NA	187
1974	117	23	NA	140	250	70	NA	320	165	19	NA	184
1975	110	26	NA	136	250	89	NA	339	165	24	NA	189
1976	88	38	NA	126	301	92	NA	393	163	26	NA	189
1977	147	42	NA	189	309	90	NA	399	147	19	NA	166
1978	132	65	NA	197	305	117	NA	422	158	20	NA	178
1979	139	51	NA	190	301	134	NA	435	125	28	NA	153
1980	120	60	NA	180	315	150	NA	465	155	34	NA	189
1981	109	101	NA	210	271	163	NA	434	152	28	NA	180
1982	119	88	NA	207	293	165	NA	458	146	36	NA	182
1983	136	135	NA	271	277	149	NA	426	154	54	NA	208
1984	169	162	NA	331	253	141	NA	394	174	53	NA	227
1985	121	103	NA	224	210	128	NA	338	175	57	NA	232
1986	97	113	NA	210	245	170	NA	415	192	68	NA	260
1987	86	126	NA	212	197	151	NA	348	203	80	NA	283
1988	74	85	NA	159	194	159	NA	353	188	75	NA	263
1989	99	123	NA	222	226	165	NA	391	175	112	NA	287
1990	118	184	NA	302	202	183	NA	385	181	92	NA	273
1991	106	165	NA	271	189	175	NA	364	201	112	NA	313
1992	124	162	NA	286	148	134	NA	282	195	122	NA	317
1993	141	255	NA	396	148	153	NA	301	223	125	NA	348
1994	208	367	NA	575	182	173	NA	355	198	122	NA	320
1995	270	434	NA	704	187	205	NA	392	218	132	NA	350
1996	264	468	NA	732	217	205	NA	422	186	118	NA	304
1997	321	538	NA	859	191	209	NA	400	218	140	NA	358
1998	351	663	NA	1,014	197	224	NA	421	238	173	NA	411
1999	315	598	NA	913	172	212	NA	384	221	138	NA	359
2000	469	800	NA	1,269	154	200	NA	354	174	149	NA	323
2001	367	612	NA	979	182	279	NA	461	211	164	NA	375
2002	276	504	NA	780	178	265	NA	443	216	160	NA	376
2003	338	557	NA	895	199	273	NA	472	210	174	NA	384
2004	277	479	NA	756	274	377	NA	651	176	159	NA	335
2005	241	427	NA	668	233	393	NA	626	215	214	NA	429
2006	202	313	NA	515	241	403	NA	644	252	190	NA	442
2007	97	373	NA	470	236	368	NA	604	220	192	NA	412
2008	225	402	NA	627	275	457	NA	732	262	206	NA	468
2009	179	349	NA	528	371	396	NA	767	228	230	NA	458
2010	191	336	NA	527	343	430	NA	773	243	207	NA	450
2011	167	248	NA	415	352	470	NA	822	250	221	NA	471
2012	163	281	NA	444	298	383	NA	681	275	222	NA	497
2013	132	212	NA	344	265	390	NA	655	293	296	NA	589
2014	110	229	NA	339	340	435	NA	775	298	267	NA	565
2015	88	185	NA	273	326	394	NA	720	312	249	NA	561
2016	120	206	NA	326	411	612	NA	1,023	297	250	NA	547
2017	63	154	0	217	358	602	2	962	296	241	0	537
2018	62	143	0	205	383	664	0	1,047	306	294	0	600
2019	100	212	0	312	405	720	3	1,128	315	271	14	600

a: Includes B.Pharm. degree  
b: Pharm.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree  
c: Includes B.S. Pharmacy, B.Pharm., and Pharm.D.1  
d: Pharm.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree  
NA: Not available

Figure A: First Professional Degrees Conferred, 1965-2019

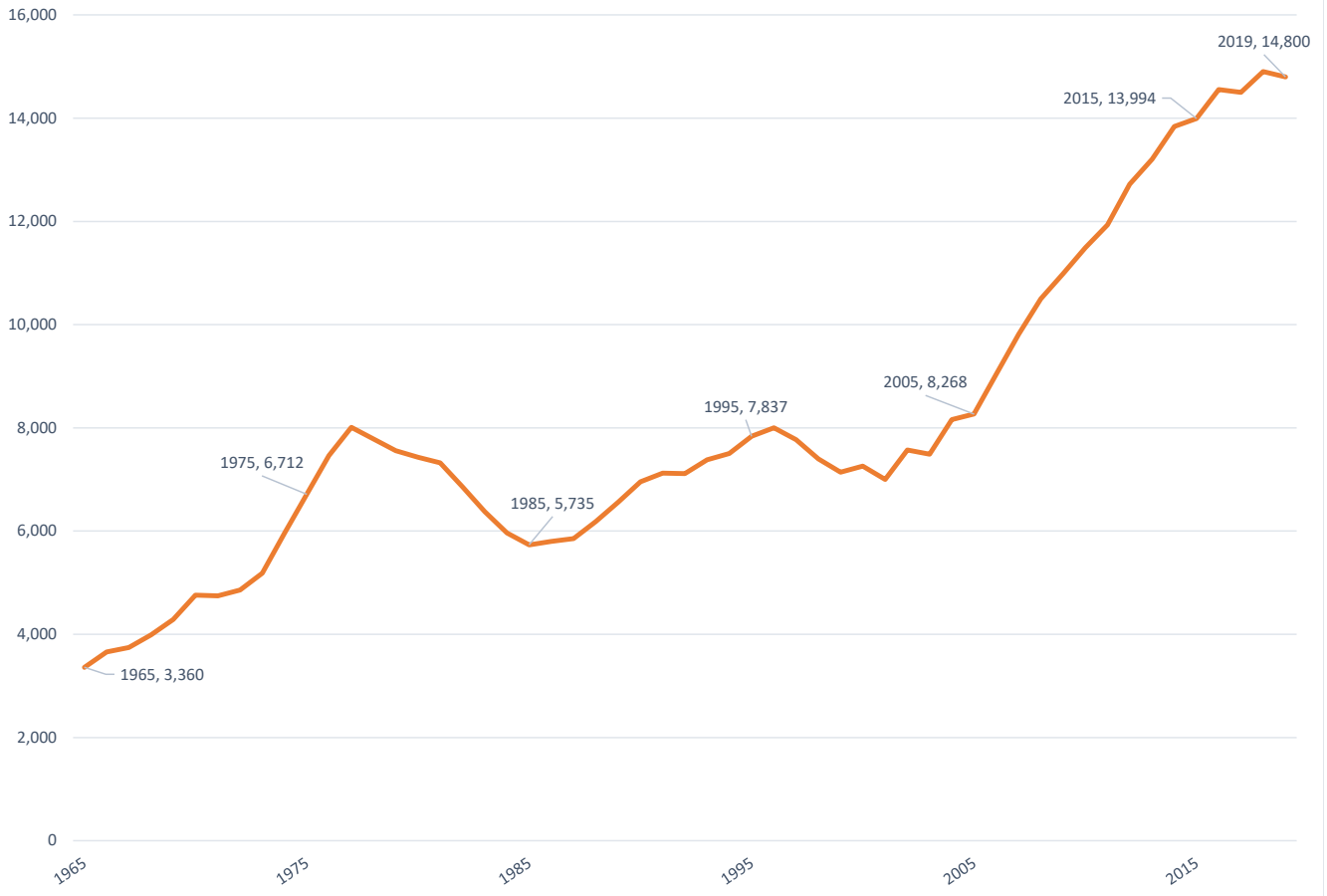


Figure B: M.S. Degrees Conferred, 1965-2019



Figure C: Ph.D. Degrees Conferred, 1965-2019

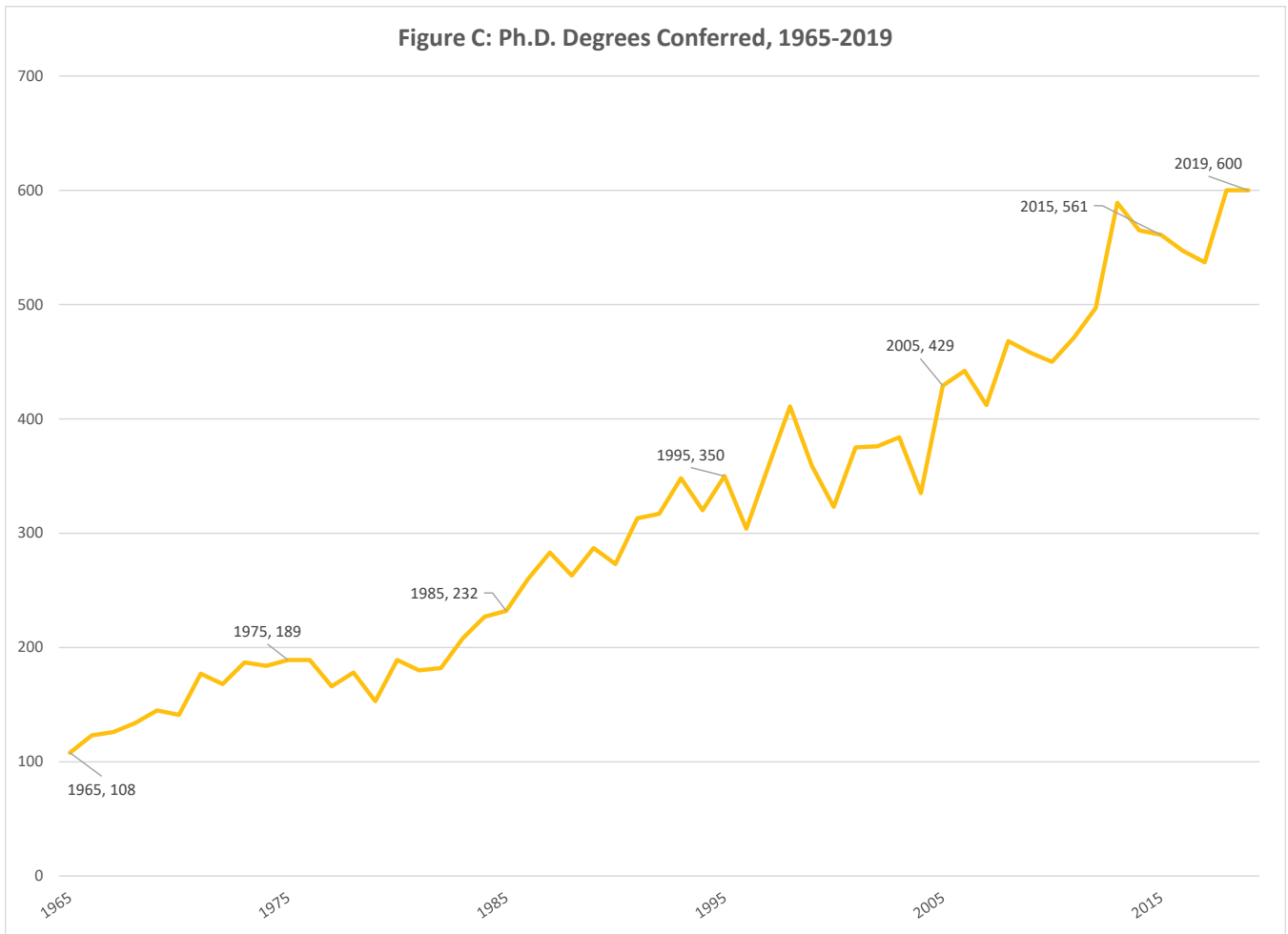


Table 6  
Annual Percent Change in Number of Pharmacy Degrees Conferred 1984–2019 Over Previous Year

Year	First Professional <sup>a</sup>		Pharm.D.2 <sup>b</sup>		M.S.		Ph.D.	
	N	% Change	N	% Change	N	% Change	N	% Change
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	6.1%	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	0.3%
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%
2015	13,994	1.1%	273	-19.5%	720	-7.1%	561	-0.7%
2016	14,556	4.0%	326	19.4%	1,023	42.1%	547	-2.5%
2017	14,502	-0.4%	217	-33.4%	962	-6.0%	537	-1.8%
2018	14,905	2.8%	205	-5.5%	1,047	8.8%	600	11.7%
2019	14,800	-0.7%	312	52.2%	1,128	7.7%	600	0.0%

a: Includes B.S. Pharmacy, B.Pharm., and Pharm.D.1 from 1984-2005; includes only Pharm.D.1 since 2006

b: Pharm.D.2 refers to the Doctor of Pharmacy degree awarded as a postbaccalaureate degree

Table 7

## Percent of Pharmacy Degrees Conferred 1984–2019 by Gender

Year	Pharm.D.1 <sup>a</sup>			Pharm.D.2 <sup>b</sup>			M.S.			Ph.D.		
	Male	Female	Unknown/ Other Gender	Male	Female	Unknown/ Other Gender	Male	Female	Unknown/ Other Gender	Male	Female	Unknown/ Other Gender
1984	45.1%	54.9%	NA	51.1%	48.9%	NA	64.2%	35.8%	NA	76.7%	23.3%	NA
1985	47.8%	52.2%	NA	54.0%	46.0%	NA	62.1%	37.9%	NA	75.4%	24.6%	NA
1986	45.6%	54.4%	NA	46.2%	53.8%	NA	59.0%	41.0%	NA	73.8%	26.2%	NA
1987	42.2%	57.8%	NA	40.6%	59.4%	NA	56.6%	43.4%	NA	71.7%	28.3%	NA
1988	39.6%	60.4%	NA	46.5%	53.5%	NA	55.0%	45.0%	NA	71.5%	28.5%	NA
1989	37.4%	62.6%	NA	44.6%	55.4%	NA	57.8%	42.2%	NA	61.0%	39.0%	NA
1990	41.0%	59.0%	NA	39.1%	60.9%	NA	52.5%	47.5%	NA	66.3%	33.7%	NA
1991	36.5%	63.5%	NA	39.1%	60.9%	NA	51.9%	48.1%	NA	64.2%	35.8%	NA
1992	35.9%	64.1%	NA	43.4%	56.6%	NA	52.5%	47.5%	NA	61.5%	38.5%	NA
1993	34.1%	65.9%	NA	35.6%	64.4%	NA	49.2%	50.8%	NA	64.1%	35.9%	NA
1994	32.0%	68.0%	NA	36.2%	63.8%	NA	51.3%	48.7%	NA	61.9%	38.1%	NA
1995	34.2%	65.8%	NA	38.4%	61.6%	NA	47.7%	52.3%	NA	62.3%	37.7%	NA
1996	31.8%	68.2%	NA	36.1%	63.9%	NA	51.4%	48.6%	NA	61.2%	38.8%	NA
1997	34.5%	65.5%	NA	37.4%	62.6%	NA	47.8%	52.3%	NA	60.9%	39.1%	NA
1998	31.5%	68.5%	NA	34.6%	65.4%	NA	46.8%	53.2%	NA	57.9%	42.1%	NA
1999	33.1%	66.9%	NA	34.5%	65.5%	NA	44.8%	55.2%	NA	61.6%	38.4%	NA
2000	33.3%	66.7%	NA	37.0%	63.0%	NA	43.5%	56.5%	NA	53.9%	46.1%	NA
2001	34.0%	66.0%	NA	37.5%	62.5%	NA	39.5%	60.5%	NA	56.3%	43.7%	NA
2002	33.4%	66.6%	NA	35.4%	64.6%	NA	40.2%	59.8%	NA	57.4%	42.6%	NA
2003	35.1%	64.9%	NA	37.8%	62.2%	NA	42.2%	57.8%	NA	54.7%	45.3%	NA
2004	33.1%	66.9%	NA	36.6%	63.4%	NA	42.1%	57.9%	NA	52.5%	47.5%	NA
2005	31.8%	68.2%	NA	36.1%	63.9%	NA	37.2%	62.8%	NA	50.1%	49.9%	NA
2006	31.8%	68.2%	NA	39.2%	60.8%	NA	37.5%	62.5%	NA	57.0%	43.0%	NA
2007	32.3%	67.7%	NA	20.6%	79.4%	NA	39.1%	60.9%	NA	53.4%	46.6%	NA
2008	34.0%	66.0%	NA	35.9%	64.1%	NA	37.6%	62.4%	NA	56.0%	44.0%	NA
2009	35.6%	64.4%	NA	33.9%	66.1%	NA	48.4%	51.6%	NA	49.8%	50.2%	NA
2010	37.3%	62.7%	NA	36.2%	63.8%	NA	44.4%	55.6%	NA	54.0%	46.0%	NA
2011	38.2%	61.8%	NA	40.2%	59.8%	NA	42.8%	57.2%	NA	53.1%	46.9%	NA
2012	38.8%	61.2%	NA	36.7%	63.3%	NA	43.8%	56.2%	NA	55.3%	44.7%	NA
2013	38.3%	61.7%	NA	38.4%	61.6%	NA	40.5%	59.5%	NA	49.7%	50.3%	NA
2014	39.6%	60.4%	NA	32.4%	67.6%	NA	43.9%	56.1%	NA	52.7%	47.3%	NA
2015	38.4%	61.6%	NA	32.2%	67.8%	NA	45.3%	54.7%	NA	55.6%	44.4%	NA
2016	38.7%	61.3%	NA	36.8%	63.2%	NA	40.2%	59.8%	NA	54.3%	45.7%	NA
2017	38.1%	61.9%	0.1%	29.0%	71.0%	0.0%	37.2%	62.6%	0.2%	55.1%	44.9%	0.0%
2018	37.8%	62.0%	0.1%	30.2%	69.8%	0.0%	36.6%	63.4%	0.0%	51.0%	49.0%	0.0%
2019	37.3%	62.0%	0.6%	32.1%	67.9%	0.0%	35.9%	63.8%	0.3%	52.5%	45.2%	2.3%

a: Pharm.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree

b: Pharm.D.2 refers to the Doctor of Pharmacy degree awarded as a postbaccalaureate degree

NA: Not available

Table 8

Estimated Attrition Rates<sup>a</sup> for First-Professional Degree Classes 1984–2019

Year	Estimated Attrition Rate
1984	13.6%
1985	15.5%
1986	13.6%
1987	14.5%
1988	12.9%
1989	14.1%
1990	11.5%
1991	11.7%
1992	12.1%
1993	11.7%
1994	11.2%
1995	12.7%
1996	10.1%
1997	12.3%
1998	11.4%
1999	8.0%
2000	13.3%
2001	4.8%
2002	2.5%
2003	1.5%
2004	1.3%
2005	4.3%
2006	7.7%
2007	6.6%
2008	11.2%
2009	11.3%
2010	10.3%
2011	10.6%
2012	10.2%
2013	11.1%
2014	10.3%
2015	11.6%
2016	12.0%
2017	12.1%
2018	12.1%
2019	12.6%

a: From 1984–2007, the size of the graduating class for first-professional degree programs is compared with enrollments in that class three years previous for B.S.Pharmacy degrees and four years previous for Pharm.D. degrees, i.e. the number of students awarded a first-professional degree in 2006–07 are compared to first professional degree enrollments for the class of 2007 in fall 2003. In 2008 new data were collected to capture attrition rates more accurately.

Table 9

## Progression Rates for First-Professional Degree Classes 2008–19

Year	Attrition Rate (range)	Academic Dismissals (range)	Student Withdrawals <sup>a</sup> (range)	Delayed Graduations (range)	# of Schools Reporting
2008	11.2% (0.0%–28.3%)	2.4% (0.0%–10.7%)	2.2% (0.0%–9.1%)	6.1% (0.0%–22.2%)	89/92
2009	11.3% (0.8%–37.9%)	2.4% (0.0%–11.5%)	2.2% (0.0%–8.9%)	6.2% (0.0%–33.3%)	91/94
2010	10.3% (1.1%–37.5%)	1.9% (0.0%–11.8%)	2.2% (0.0%–13.8%)	6.0% (0.0%–30.0%)	97/99
2011	10.6% (0.0%–37.3%)	2.6% (0.0%–10.6%)	2.0% (0.0%–14.4%)	6.0% (0.0%–32.0%)	99/102
2012	10.2% (0.0%–35.3%)	2.4% (0.0%–8.1%)	1.9% (0.0%–9.2%)	5.9% (0.0%–26.3%)	105/110
2013	11.1% (0.0%–36.9%)	2.6% (0.0%–11.4%)	2.4% (0.0%–12.3%)	6.0% (0.0%–30.8%)	116/117
2014	10.3% (0.0%–29.4%)	2.4% (0.0%–7.9%)	2.3% (0.0%–21.7%)	5.7% (0.0%–19.1%)	115/120
2015	11.6% (0.0%–63.5%)	2.8% (0.0%–63.5%)	2.5% (0.0%–10.0%)	6.3% (0.0%–24.5%)	122/125
2016	12.0% (0.0%–27.2%)	2.7% (0.0%–15.8%)	2.6% (0.0%–13.6%)	6.7% (0.0%–17.9%)	126/128
2017	12.1% (0.0%–36.1%)	2.7% (0.0%–9.7%)	2.7% (0.0%–9.3%)	6.7% (0.0%–19.6%)	128/132
2018	12.1% (0.0%–29.6%)	2.6% (0.0%–19.5%)	3.0% (0.0%–10.2%)	6.5% (0.0%–19.7%)	134/135
2019	12.6% (0.9%–38.9%)	3.1% (0.0%–14.5%)	2.9% (0.0%–8.3%)	6.7% (0.0%–23.3%)	136/136

a: “Withdrawal” includes any reason (other than academic dismissal or delayed graduation) for removal from the program, including disability or death



Table 10

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 1985–2019 by Gender and Race/Ethnicity

Year	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1985	181	176	357	15	11	26	9	7	16	57	97	154	NA	NA	NA
1986	173	190	363	16	14	30	13	10	23	48	101	149	NA	NA	NA
1987	190	227	417	14	22	36	12	14	26	46	121	167	NA	NA	NA
1988	221	328	549	12	32	44	13	13	26	59	95	154	NA	NA	NA
1989	210	342	552	19	29	48	9	14	23	64	118	182	NA	NA	NA
1990	258	371	629	7	22	29	9	20	29	100	124	224	NA	NA	NA
1991	298	473	771	20	44	64	19	32	51	86	190	276	NA	NA	NA
1992	284	481	765	16	36	52	30	31	61	92	202	294	NA	NA	NA
1993	308	548	856	14	49	63	17	23	40	100	249	349	NA	NA	NA
1994	301	541	842	19	65	84	16	24	40	82	258	340	NA	NA	NA
1995	342	617	959	36	125	161	20	27	47	133	272	405	NA	NA	NA
1996	369	714	1,083	46	133	179	25	38	63	129	329	458	NA	NA	NA
1997	458	732	1,190	34	138	172	22	34	56	147	368	515	NA	NA	NA
1998	541	1,086	1,627	62	170	232	17	48	65	177	443	620	NA	NA	NA
1999	715	1,411	2,126	66	165	231	30	56	86	220	454	674	NA	NA	NA
2000	915	1,784	2,699	106	235	341	54	65	119	277	640	917	NA	NA	NA
2001	1,168	2,083	3,251	99	254	353	64	95	159	317	741	1,058	NA	NA	NA
2002	1,300	2,483	3,783	167	347	514	82	129	211	379	934	1,313	NA	NA	NA
2003	1,381	2,604	3,985	168	389	557	106	136	242	546	959	1,505	NA	NA	NA
2004	1,584	3,059	4,643	177	424	601	99	192	291	566	1,250	1,816	NA	NA	NA
2005	1,673	3,346	5,019	188	526	714	114	246	360	479	1,199	1,678	NA	NA	NA
2006	1,847	3,803	5,650	213	455	668	136	241	377	501	1,321	1,822	NA	NA	NA
2007	2,102	4,080	6,182	193	489	682	129	257	386	552	1,418	1,970	NA	NA	NA
2008	2,341	4,219	6,560	214	488	702	130	277	407	614	1,492	2,106	NA	NA	NA
2009	2,465	4,195	6,660	235	453	688	165	289	454	749	1,584	2,333	NA	NA	NA
2010	2,654	4,226	6,880	253	491	744	170	319	489	892	1,571	2,463	NA	NA	NA
2011	2,767	4,369	7,136	286	477	763	176	336	512	918	1,652	2,570	17	26	43
2012	2,927	4,469	7,396	309	523	832	212	320	532	1,023	1,761	2,784	71	127	198
2013	2,880	4,599	7,479	334	582	916	207	356	563	1,134	1,890	3,024	22	23	45
2014	3,079	4,485	7,564	370	572	942	246	356	602	1,232	2,103	3,335	14	16	30
2015	3,003	4,650	7,653	378	583	961	202	376	578	1,270	2,167	3,437	25	19	44
2016	3,028	4,718	7,746	387	670	1,057	244	399	643	1,368	2,218	3,586	18	14	32
2017	2,977	4,740	7,717	413	715	1,128	277	458	735	1,338	2,292	3,630	19	20	39
2018	2,886	4,660	7,546	489	745	1,234	327	478	805	1,373	2,472	3,845	11	22	33
2019	2,810	4,560	7,370	444	807	1,251	343	504	847	1,390	2,406	3,796	17	33	50

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 10 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 1985–2019 by Gender and Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>			Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/ Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
1985	0	0	0	NA	NA	NA	2	4	6	17	12	29	NA	281	307	NA	588
1986	0	0	0	NA	NA	NA	0	0	0	28	17	45	NA	278	332	NA	610
1987	0	0	0	NA	NA	NA	2	2	4	27	13	40	NA	291	399	NA	690
1988	2	0	2	NA	NA	NA	0	1	1	15	22	37	NA	322	491	NA	813
1989	2	1	3	NA	NA	NA	2	0	2	8	21	29	NA	314	525	NA	839
1990	1	1	2	NA	NA	NA	0	0	0	13	20	33	NA	388	558	NA	946
1991	3	3	6	NA	NA	NA	0	4	4	10	13	23	NA	436	759	NA	1,195
1992	2	1	3	NA	NA	NA	3	9	12	9	20	29	NA	436	780	NA	1,216
1993	1	1	2	NA	NA	NA	2	8	10	18	11	29	NA	460	889	NA	1,349
1994	1	4	5	NA	NA	NA	7	13	20	9	19	28	NA	435	924	NA	1,359
1995	0	3	3	NA	NA	NA	2	6	8	20	16	36	NA	553	1,066	NA	1,619
1996	2	1	3	NA	NA	NA	0	8	8	12	29	41	NA	583	1,252	NA	1,835
1997	6	2	8	NA	NA	NA	2	4	6	22	35	57	NA	691	1,313	NA	2,004
1998	4	4	8	NA	NA	NA	11	21	32	18	30	48	NA	830	1,802	NA	2,632
1999	4	4	8	NA	NA	NA	27	53	80	19	41	60	NA	1,081	2,184	NA	3,265
2000	10	12	22	NA	NA	NA	38	72	110	32	64	96	NA	1,432	2,872	NA	4,304
2001	4	10	14	NA	NA	NA	38	104	142	40	69	109	NA	1,730	3,356	NA	5,086
2002	18	14	32	NA	NA	NA	59	101	160	50	95	145	NA	2,055	4,103	NA	6,158
2003	14	23	37	NA	NA	NA	51	92	143	67	113	180	NA	2,333	4,316	NA	6,649
2004	9	21	30	NA	NA	NA	70	109	179	63	147	210	NA	2,568	5,202	NA	7,770
2005	27	24	51	NA	NA	NA	66	160	226	71	123	194	NA	2,618	5,624	NA	8,242
2006	10	29	39	NA	NA	NA	80	185	265	88	131	219	NA	2,875	6,165	NA	9,040
2007	17	36	53	NA	NA	NA	124	213	337	54	148	202	NA	3,171	6,641	NA	9,812
2008	27	34	61	NA	NA	NA	164	260	424	85	155	240	NA	3,575	6,925	NA	10,500
2009	19	45	64	NA	NA	NA	175	322	497	104	188	292	NA	3,912	7,076	NA	10,988
2010	19	31	50	NA	NA	NA	219	383	602	80	179	259	NA	4,287	7,200	NA	11,487
2011	22	20	42	18	19	37	209	311	520	140	168	308	NA	4,553	7,378	NA	11,931
2012	24	37	61	31	67	98	215	322	537	125	156	281	NA	4,937	7,782	NA	12,719
2013	29	23	52	40	51	91	301	443	744	116	177	293	NA	5,063	8,144	NA	13,207
2014	13	31	44	58	116	174	348	496	844	123	180	303	NA	5,483	8,355	NA	13,838
2015	21	42	63	100	148	248	227	378	605	143	262	405	NA	5,369	8,625	NA	13,994
2016	27	21	48	145	179	324	290	435	725	128	267	395	NA	5,635	8,921	NA	14,556
2017	15	25	40	117	141	258	240	357	597	128	222	350	8	5,524	8,970	8	14,502
2018	11	25	36	142	217	359	258	373	631	142	254	396	20	5,639	9,246	20	14,905
2019	14	28	42	175	269	444	198	320	518	135	253	388	94	5,526	9,180	94	14,800

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 11

## Number of Postbaccalaureate Doctor of Pharmacy Degrees (Pharm.D.2) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1985	98	76	174	3	10	13	1	1	2	3	4	7	NA	NA	NA
1986	75	79	154	4	11	15	0	6	6	3	3	6	NA	NA	NA
1987	72	98	170	0	5	5	3	4	7	1	5	6	NA	NA	NA
1988	60	64	124	1	4	5	0	1	1	1	2	3	NA	NA	NA
1989	77	94	171	4	5	9	1	2	3	6	8	14	NA	NA	NA
1990	100	144	244	5	8	13	2	8	10	3	7	10	NA	NA	NA
1991	92	125	217	2	9	11	1	3	4	4	7	11	NA	NA	NA
1992	97	135	232	6	9	15	0	2	2	3	3	6	NA	NA	NA
1993	114	194	308	6	11	17	1	8	9	3	13	16	NA	NA	NA
1994	164	298	462	11	15	26	5	7	12	11	22	33	NA	NA	NA
1995	212	361	573	14	24	38	4	6	10	17	30	47	NA	NA	NA
1996	221	368	589	7	27	34	2	9	11	16	39	55	NA	NA	NA
1997	257	417	674	22	37	59	1	4	5	11	53	64	NA	NA	NA
1998	272	614	786	13	28	41	6	6	12	43	82	125	NA	NA	NA
1999	212	415	627	20	39	59	12	23	35	36	72	108	NA	NA	NA
2000	359	538	897	17	50	67	15	39	54	53	122	175	NA	NA	NA
2001	280	410	690	15	47	62	8	15	23	51	102	153	NA	NA	NA
2002	202	331	533	15	28	43	6	23	29	36	89	125	NA	NA	NA
2003	250	317	567	19	38	57	8	26	34	33	116	149	NA	NA	NA
2004	197	275	472	33	47	80	7	36	43	22	67	89	NA	NA	NA
2005	148	203	351	17	38	55	16	37	53	23	63	86	NA	NA	NA
2006	123	161	284	18	24	42	6	23	29	22	46	68	NA	NA	NA
2007	46	141	187	15	82	97	8	39	47	10	62	72	NA	NA	NA
2008	133	211	344	23	38	61	5	17	22	34	69	103	NA	NA	NA
2009	91	163	254	17	29	46	4	19	23	33	64	97	NA	NA	NA
2010	83	110	193	18	35	53	13	20	33	27	64	91	NA	NA	NA
2011	64	98	162	22	25	47	3	29	32	35	44	79	3	1	4
2012	74	108	182	14	32	46	3	23	26	28	68	96	0	0	0
2013	56	83	139	13	23	36	1	13	14	18	48	66	0	0	0
2014	38	83	121	21	31	52	4	13	17	20	59	79	0	0	0
2015	20	66	86	15	14	29	1	8	9	14	36	50	0	0	0
2016	29	64	93	33	25	58	5	3	8	18	45	63	2	1	3
2017	18	39	57	13	19	32	1	4	5	8	39	47	0	0	0
2018	12	39	51	11	17	28	1	3	4	10	35	45	0	0	0
2019	33	60	93	21	35	56	3	6	9	14	44	58	0	0	0

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 11 (continued)

## Number of Postbaccalaureate Doctor of Pharmacy Degrees (Pharm.D.2) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>			Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
1985	1	0	1	NA	NA	NA	2	4	6	13	8	21	NA	121	103	NA	224
1986	0	0	0	NA	NA	NA	0	0	0	15	14	29	NA	97	113	NA	210
1987	0	0	0	NA	NA	NA	1	3	4	9	11	20	NA	86	126	NA	212
1988	0	0	0	NA	NA	NA	0	0	0	12	14	26	NA	74	85	NA	159
1989	0	0	0	NA	NA	NA	0	0	0	11	14	25	NA	99	123	NA	222
1990	0	0	0	NA	NA	NA	2	2	4	6	15	21	NA	118	184	NA	302
1991	0	0	0	NA	NA	NA	1	1	2	6	20	26	NA	106	165	NA	271
1992	0	0	0	NA	NA	NA	1	0	1	17	13	30	NA	124	162	NA	286
1993	1	1	2	NA	NA	NA	3	3	6	13	25	38	NA	141	255	NA	396
1994	0	0	0	NA	NA	NA	0	1	1	17	24	41	NA	208	367	NA	575
1995	2	0	2	NA	NA	NA	0	2	2	21	11	32	NA	270	434	NA	704
1996	1	0	1	NA	NA	NA	1	5	6	16	20	36	NA	264	468	NA	732
1997	2	1	3	NA	NA	NA	4	8	12	24	18	42	NA	321	538	NA	859
1998	0	0	0	NA	NA	NA	2	4	6	15	29	44	NA	351	663	NA	1,014
1999	2	5	7	NA	NA	NA	19	34	53	14	10	24	NA	315	598	NA	913
2000	4	6	10	NA	NA	NA	10	21	31	11	24	35	NA	469	800	NA	1,269
2001	2	7	9	NA	NA	NA	4	16	20	7	15	22	NA	367	612	NA	979
2002	2	2	4	NA	NA	NA	9	22	31	6	9	15	NA	276	504	NA	780
2003	1	3	4	NA	NA	NA	22	38	60	5	19	24	NA	338	557	NA	895
2004	3	1	4	NA	NA	NA	11	19	30	4	34	38	NA	277	479	NA	756
2005	2	1	3	NA	NA	NA	28	56	84	7	29	36	NA	241	427	NA	668
2006	0	0	0	NA	NA	NA	19	35	54	14	24	38	NA	202	313	NA	515
2007	0	3	3	NA	NA	NA	8	24	32	10	22	32	NA	97	373	NA	470
2008	1	0	1	NA	NA	NA	15	21	36	14	46	60	NA	225	402	NA	627
2009	0	2	2	NA	NA	NA	11	24	35	23	48	71	NA	179	349	NA	528
2010	0	2	2	NA	NA	NA	20	45	65	30	60	90	NA	191	336	NA	527
2011	0	1	1	0	0	0	10	14	24	30	36	66	NA	167	248	NA	415
2012	0	0	0	0	0	0	27	15	42	17	35	52	NA	163	281	NA	444
2013	0	0	0	0	0	0	10	11	21	34	34	68	NA	132	212	NA	344
2014	1	1	2	0	1	1	14	19	33	12	22	34	NA	110	229	NA	339
2015	1	0	1	0	0	0	19	30	49	18	31	49	NA	88	185	NA	273
2016	0	1	1	0	0	0	18	31	49	15	36	51	NA	120	206	NA	326
2017	0	1	1	0	0	0	16	26	42	7	26	33	0	63	154	0	217
2018	1	0	1	0	2	2	18	26	44	9	21	30	0	62	143	0	205
2019	0	0	0	1	3	4	16	32	48	12	32	44	0	100	212	0	312

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 12

## Number of Master of Science Degrees (M.S.) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1985	134	81	215	2	8	10	2	1	3	8	3	11	NA	NA	NA
1986	166	116	282	6	0	6	3	5	8	5	2	7	NA	NA	NA
1987	136	95	231	2	4	6	2	2	4	3	8	11	NA	NA	NA
1988	125	102	227	8	4	12	2	2	4	6	3	9	NA	NA	NA
1989	131	103	234	6	2	8	1	6	7	14	2	16	NA	NA	NA
1990	120	89	209	6	6	12	5	6	11	12	16	28	NA	NA	NA
1991	117	101	218	3	10	13	1	6	7	16	11	27	NA	NA	NA
1992	82	58	140	4	10	14	1	8	9	7	7	14	NA	NA	NA
1993	80	69	149	3	6	9	9	11	20	4	9	13	NA	NA	NA
1994	88	81	169	3	5	8	2	11	13	7	12	19	NA	NA	NA
1995	98	108	206	4	12	16	6	10	16	17	15	32	NA	NA	NA
1996	121	115	236	3	9	12	7	9	16	12	11	23	NA	NA	NA
1997	94	100	194	6	12	18	8	9	17	20	16	36	NA	NA	NA
1998	102	111	213	8	6	14	10	9	19	13	25	38	NA	NA	NA
1999	76	97	173	8	12	20	4	4	8	11	20	31	NA	NA	NA
2000	71	101	172	8	5	13	3	10	13	17	19	36	NA	NA	NA
2001	87	127	214	4	22	26	2	16	18	24	22	46	NA	NA	NA
2002	67	114	181	5	12	17	4	12	16	21	22	43	NA	NA	NA
2003	68	138	206	9	26	35	3	8	11	44	24	68	NA	NA	NA
2004	99	181	280	10	41	51	7	19	26	46	43	89	NA	NA	NA
2005	95	175	270	4	38	42	8	11	19	26	54	80	NA	NA	NA
2006	95	179	274	11	41	52	5	23	28	19	30	49	NA	NA	NA
2007	98	180	278	5	44	49	4	8	12	46	38	84	NA	NA	NA
2008	113	205	318	9	26	35	9	24	33	20	55	75	NA	NA	NA
2009	75	111	186	9	21	30	3	8	11	27	58	85	NA	NA	NA
2010	78	144	222	12	10	22	8	14	22	21	57	78	NA	NA	NA
2011	90	145	235	14	24	38	4	12	16	30	48	78	2	0	2
2012	87	130	217	6	18	24	3	12	15	28	53	81	1	0	1
2013	72	111	183	7	17	24	7	8	15	21	51	72	1	0	1
2014	90	114	204	12	26	38	6	9	15	30	45	75	0	3	3
2015	91	116	207	11	17	28	8	12	20	38	46	84	0	0	0
2016	120	249	369	33	35	68	19	32	51	37	72	109	4	0	4
2017	143	245	388	22	37	59	11	28	39	48	81	129	5	1	6
2018	128	232	360	20	40	60	12	37	49	42	72	114	2	0	2
2019	153	269	422	21	45	66	25	31	56	51	85	136	1	0	1

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 12 (continued)

## Number of Master of Science Degrees (M.S.) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>			Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
1985	0	0	0	NA	NA	NA	1	0	1	63	35	98	NA	210	128	NA	338
1986	1	0	1	NA	NA	NA	0	0	0	64	47	111	NA	245	170	NA	415
1987	0	0	0	NA	NA	NA	11	3	14	43	39	82	NA	197	151	NA	348
1988	0	2	2	NA	NA	NA	1	1	2	52	45	97	NA	194	159	NA	353
1989	0	0	0	NA	NA	NA	1	1	2	73	51	124	NA	226	165	NA	391
1990	0	1	1	NA	NA	NA	4	4	8	55	61	116	NA	202	183	NA	385
1991	0	0	0	NA	NA	NA	1	1	2	51	46	97	NA	189	175	NA	364
1992	0	0	0	NA	NA	NA	4	1	5	50	50	100	NA	148	134	NA	282
1993	0	0	0	NA	NA	NA	1	4	5	51	54	105	NA	148	153	NA	301
1994	0	0	0	NA	NA	NA	3	2	5	79	62	141	NA	182	173	NA	355
1995	0	0	0	NA	NA	NA	0	1	1	62	59	121	NA	187	205	NA	392
1996	0	0	0	NA	NA	NA	5	3	8	69	58	127	NA	217	205	NA	422
1997	0	0	0	NA	NA	NA	2	3	5	61	69	130	NA	191	209	NA	400
1998	1	0	1	NA	NA	NA	5	8	13	58	65	123	NA	197	224	NA	421
1999	0	0	0	NA	NA	NA	8	11	19	65	68	133	NA	172	212	NA	384
2000	0	1	1	NA	NA	NA	0	2	2	55	62	117	NA	154	200	NA	354
2001	1	0	1	NA	NA	NA	5	7	12	59	85	144	NA	182	279	NA	461
2002	0	0	0	NA	NA	NA	5	10	15	76	95	171	NA	178	265	NA	443
2003	0	0	0	NA	NA	NA	2	14	16	73	63	136	NA	199	273	NA	472
2004	1	0	1	NA	NA	NA	17	22	39	94	71	165	NA	274	377	NA	651
2005	1	1	2	NA	NA	NA	28	41	69	71	73	144	NA	233	393	NA	626
2006	1	1	2	NA	NA	NA	23	34	57	87	95	182	NA	241	403	NA	644
2007	2	0	2	NA	NA	NA	22	29	51	59	69	128	NA	236	368	NA	604
2008	1	0	1	NA	NA	NA	23	41	64	100	106	206	NA	275	457	NA	732
2009	0	0	0	NA	NA	NA	31	44	75	226	154	380	NA	371	396	NA	767
2010	0	1	1	NA	NA	NA	25	48	73	199	156	355	NA	343	430	NA	773
2011	0	2	2	0	1	1	22	44	66	190	194	384	NA	352	470	NA	822
2012	2	2	4	2	1	3	16	11	27	153	156	309	NA	298	383	NA	681
2013	0	3	3	0	7	7	16	15	31	141	178	319	NA	265	390	NA	655
2014	0	0	0	2	3	5	19	30	49	181	205	386	NA	340	435	NA	775
2015	0	0	0	2	6	8	8	14	22	168	183	351	NA	326	394	NA	720
2016	1	2	3	9	7	16	18	24	42	170	191	361	NA	411	612	NA	1,023
2017	1	3	4	2	10	12	12	20	32	114	177	291	2	358	602	2	962
2018	2	3	5	5	6	11	12	27	39	160	247	407	0	383	664	0	1,047
2019	1	3	4	3	13	16	20	29	49	130	245	375	3	405	720	3	1,128

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 13

## Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1985	106	34	140	2	0	2	1	1	2	6	4	10	NA	NA	NA	1	0	1
1986	112	48	160	2	0	2	1	0	1	4	2	6	NA	NA	NA	0	0	0
1987	119	43	162	2	0	2	4	0	4	7	6	13	NA	NA	NA	0	0	0
1988	97	48	145	1	1	2	3	0	3	4	2	6	NA	NA	NA	0	0	0
1989	100	54	154	1	3	4	2	2	4	6	4	10	NA	NA	NA	0	0	0
1990	100	51	151	4	3	7	1	0	1	17	7	24	NA	NA	NA	0	0	0
1991	104	64	168	5	3	8	3	0	3	12	14	26	NA	NA	NA	0	0	0
1992	78	60	138	5	3	8	3	1	4	12	9	21	NA	NA	NA	0	0	0
1993	110	50	160	1	4	5	2	1	3	10	10	20	NA	NA	NA	1	0	1
1994	95	56	151	2	4	6	2	2	4	16	9	25	NA	NA	NA	0	0	0
1995	95	53	148	5	5	10	1	4	5	20	13	33	NA	NA	NA	1	1	2
1996	83	52	135	3	6	9	1	4	5	11	12	23	NA	NA	NA	0	0	0
1997	87	58	145	6	4	10	1	2	3	12	13	25	NA	NA	NA	0	0	0
1998	101	65	166	4	10	14	5	1	6	14	18	32	NA	NA	NA	2	0	2
1999	82	49	131	6	7	13	4	2	6	22	17	39	NA	NA	NA	0	0	0
2000	61	62	123	5	6	11	0	0	0	23	15	38	NA	NA	NA	0	0	0
2001	83	46	129	5	10	15	4	2	6	27	27	54	NA	NA	NA	0	0	0
2002	92	59	151	2	6	8	2	3	5	14	13	27	NA	NA	NA	2	0	2
2003	77	62	139	5	8	13	7	2	9	19	13	32	NA	NA	NA	0	0	0
2004	67	47	114	6	5	11	2	3	5	15	16	31	NA	NA	NA	0	0	0
2005	66	43	109	10	9	19	5	3	8	10	25	35	NA	NA	NA	1	1	2
2006	82	45	127	5	12	17	5	3	8	19	15	34	NA	NA	NA	0	0	0
2007	78	50	128	5	11	16	4	4	8	19	16	35	NA	NA	NA	0	0	0
2008	104	60	164	4	7	11	4	5	9	27	19	46	NA	NA	NA	0	2	2
2009	80	71	151	7	11	18	3	7	10	31	23	54	NA	NA	NA	0	0	0
2010	81	81	162	3	10	13	2	6	8	25	23	48	NA	NA	NA	0	1	1
2011	74	67	141	11	23	34	7	2	9	28	22	50	2	2	4	0	0	0
2012	82	66	148	11	14	25	7	11	18	34	27	61	1	0	1	1	1	2
2013	83	74	157	8	14	22	9	11	20	31	37	68	0	0	0	1	0	1
2014	103	73	176	11	14	25	4	6	10	26	33	59	0	2	2	0	1	1
2015	101	70	171	6	12	18	10	3	13	46	44	90	0	0	0	0	1	1
2016	97	82	179	7	9	16	7	8	15	21	29	50	0	0	0	0	1	1
2017	91	65	156	8	10	18	1	5	6	16	17	33	0	0	0	2	2	4
2018	94	71	165	7	14	21	4	3	7	15	31	46	0	0	0	0	1	1
2019	93	74	167	5	12	17	8	6	14	27	38	65	0	0	0	1	4	5

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 13 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 1985–2019 by Gender and Race/Ethnicity

Year	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
1985	NA	NA	NA	0	0	0	59	18	77	NA	175	57	NA	232
1986	NA	NA	NA	0	0	0	73	18	91	NA	192	68	NA	260
1987	NA	NA	NA	7	1	8	64	30	94	NA	203	80	NA	283
1988	NA	NA	NA	1	1	2	82	23	105	NA	188	75	NA	263
1989	NA	NA	NA	3	3	6	63	46	109	NA	175	112	NA	287
1990	NA	NA	NA	6	2	8	53	29	82	NA	181	92	NA	273
1991	NA	NA	NA	5	0	5	72	31	103	NA	201	112	NA	313
1992	NA	NA	NA	3	1	4	94	48	142	NA	195	122	NA	317
1993	NA	NA	NA	0	0	0	99	60	159	NA	223	125	NA	348
1994	NA	NA	NA	2	0	2	82	51	133	NA	198	122	NA	320
1995	NA	NA	NA	3	1	4	93	55	148	NA	218	132	NA	350
1996	NA	NA	NA	2	1	3	86	43	129	NA	186	118	NA	304
1997	NA	NA	NA	7	0	7	105	63	168	NA	218	140	NA	358
1998	NA	NA	NA	1	3	4	111	76	187	NA	238	173	NA	411
1999	NA	NA	NA	12	3	15	95	60	155	NA	221	138	NA	359
2000	NA	NA	NA	6	14	20	79	52	131	NA	174	149	NA	323
2001	NA	NA	NA	3	1	4	89	78	167	NA	211	164	NA	375
2002	NA	NA	NA	3	4	7	101	75	176	NA	216	160	NA	376
2003	NA	NA	NA	4	1	5	98	88	186	NA	210	174	NA	384
2004	NA	NA	NA	3	1	4	83	87	170	NA	176	159	NA	335
2005	NA	NA	NA	3	3	6	120	130	250	NA	215	214	NA	429
2006	NA	NA	NA	2	0	2	139	115	254	NA	252	190	NA	442
2007	NA	NA	NA	1	4	5	113	107	220	NA	220	192	NA	412
2008	NA	NA	NA	7	8	15	116	105	221	NA	262	206	NA	468
2009	NA	NA	NA	7	7	14	100	111	211	NA	228	230	NA	458
2010	NA	NA	NA	11	7	18	121	79	200	NA	243	207	NA	450
2011	3	2	5	5	11	16	120	92	212	NA	250	221	NA	471
2012	2	0	2	21	9	30	116	94	210	NA	275	222	NA	497
2013	4	5	9	10	10	20	147	145	292	NA	293	296	NA	589
2014	2	1	3	8	7	15	144	130	274	NA	298	267	NA	565
2015	0	2	2	7	3	10	142	114	256	NA	312	249	NA	561
2016	3	2	5	10	5	15	152	114	266	NA	297	250	NA	547
2017	2	2	4	9	1	10	167	139	306	0	296	241	0	537
2018	1	0	1	5	11	16	180	163	343	0	306	294	0	600
2019	1	4	5	8	8	16	172	125	297	14	315	271	14	600

f. 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

g. U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h. U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i. Citizens of a foreign country/permanent residents of a country other than the U.S.

j. Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available



Table 14

## Percent of Recipients of Doctor of Pharmacy Degrees Conferred as the First Professional Degree (Pharm.D.1) 1985–2019 by Race/Ethnicity

Year	White <sup>a</sup>		Black or African American <sup>b</sup>		Hispanic or Latino <sup>c</sup>		Asian <sup>d</sup>		Native Hawaiian or Other Pacific Islander <sup>e</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	357	60.7	26	4.4	16	2.7	154	26.2	NA	NA
1986	363	59.5	30	4.9	23	3.8	149	24.4	NA	NA
1987	417	60.4	36	5.2	26	3.8	167	24.2	NA	NA
1988	549	67.5	44	5.4	26	3.2	154	18.9	NA	NA
1989	552	65.8	48	5.7	23	2.7	182	21.7	NA	NA
1990	629	66.5	29	3.1	29	3.1	224	23.7	NA	NA
1991	771	64.5	64	5.4	51	4.3	276	23.1	NA	NA
1992	765	62.9	52	4.3	61	5.0	294	24.2	NA	NA
1993	856	63.5	63	4.7	40	3.0	349	25.9	NA	NA
1994	842	62.0	84	6.2	40	2.9	340	25.0	NA	NA
1995	959	59.2	161	9.9	47	2.9	405	25.0	NA	NA
1996	1,083	59.0	179	9.8	63	3.4	458	25.0	NA	NA
1997	1,190	59.4	172	8.6	56	2.8	515	25.7	NA	NA
1998	1,627	61.9	232	8.8	65	2.5	620	23.6	NA	NA
1999	2,126	65.1	231	7.1	86	2.6	674	20.6	NA	NA
2000	2,699	62.7	341	7.9	119	2.8	917	21.3	NA	NA
2001	3,251	63.9	353	6.9	159	3.1	1,058	20.8	NA	NA
2002	3,783	61.4	514	8.3	211	3.4	1,313	21.3	NA	NA
2003	3,985	59.9	557	8.4	242	3.6	1,505	22.6	NA	NA
2004	4,643	59.8	601	7.7	291	3.7	1,816	23.4	NA	NA
2005	5,019	60.9	714	8.7	360	4.4	1,678	20.4	NA	NA
2006	5,650	62.5	668	7.4	377	4.2	1,822	20.2	NA	NA
2007	6,182	63.0	682	7.0	386	3.9	1,970	20.1	NA	NA
2008	6,560	62.5	702	6.7	407	3.9	2,106	20.1	NA	NA
2009	6,660	60.6	688	6.3	454	4.1	2,333	21.2	NA	NA
2010	6,880	59.9	744	6.5	489	4.3	2,463	21.4	NA	NA
2011	7,136	59.8	763	6.4	512	4.3	2,570	21.5	43	0.4
2012	7,396	58.1	832	6.5	532	4.2	2,784	21.9	198	1.6
2013	7,479	56.6	916	6.9	563	4.3	3,024	22.9	45	0.3
2014	7,564	54.7	942	6.8	602	4.4	3,335	24.1	30	0.2
2015	7,653	54.7	961	6.9	578	4.1	3,437	24.6	44	0.3
2016	7,746	53.2	1,057	7.3	643	4.4	3,586	24.6	32	0.2
2017	7,717	53.2	1,128	7.8	735	5.1	3,630	25.0	39	0.3
2018	7,546	50.6	1,234	8.3	805	5.4	3,845	25.8	33	0.2
2019	7,370	49.8	1,251	8.5	847	5.7	3,796	25.6	50	0.3

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 14 (continued)

## Percent of Recipients of Doctor of Pharmacy Degrees Conferred as the First Professional Degree (Pharm.D.1) 1985–2019 by Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>		Two or More Races <sup>g</sup>		Unknown <sup>h</sup>		International/ Foreign <sup>i</sup>		Unknown/Other Gender <sup>j</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	0	0.0	NA	NA	6	1.0	29	4.9	NA	NA
1986	0	0.0	NA	NA	0	0.0	45	7.4	NA	NA
1987	0	0.0	NA	NA	4	0.6	40	5.8	NA	NA
1988	2	0.2	NA	NA	1	0.1	37	4.6	NA	NA
1989	3	0.4	NA	NA	2	0.2	29	3.5	NA	NA
1990	2	0.2	NA	NA	0	0.0	33	3.5	NA	NA
1991	6	0.5	NA	NA	4	0.3	23	1.9	NA	NA
1992	3	0.2	NA	NA	12	1.0	29	2.4	NA	NA
1993	2	0.1	NA	NA	10	0.7	29	2.1	NA	NA
1994	5	0.4	NA	NA	20	1.5	28	2.1	NA	NA
1995	3	0.2	NA	NA	8	0.5	36	2.2	NA	NA
1996	3	0.2	NA	NA	8	0.4	41	2.2	NA	NA
1997	8	0.4	NA	NA	6	0.3	57	2.8	NA	NA
1998	8	0.3	NA	NA	32	1.2	48	1.8	NA	NA
1999	8	0.2	NA	NA	80	2.5	60	1.8	NA	NA
2000	22	0.5	NA	NA	110	2.6	96	2.2	NA	NA
2001	14	0.3	NA	NA	142	2.8	109	2.1	NA	NA
2002	32	0.5	NA	NA	160	2.6	145	2.4	NA	NA
2003	37	0.6	NA	NA	143	2.2	180	2.7	NA	NA
2004	30	0.4	NA	NA	179	2.3	210	2.7	NA	NA
2005	51	0.6	NA	NA	226	2.7	194	2.4	NA	NA
2006	39	0.4	NA	NA	265	2.9	219	2.4	NA	NA
2007	53	0.5	NA	NA	337	3.4	202	2.1	NA	NA
2008	61	0.6	NA	NA	424	4.0	240	2.3	NA	NA
2009	64	0.6	NA	NA	497	4.5	292	2.7	NA	NA
2010	50	0.4	NA	NA	602	5.2	259	2.3	NA	NA
2011	42	0.4	37	0.3	520	4.4	308	2.6	NA	NA
2012	61	0.5	98	0.8	537	4.2	281	2.2	NA	NA
2013	52	0.4	91	0.7	744	5.6	293	2.2	NA	NA
2014	44	0.3	174	1.3	844	6.1	303	2.2	NA	NA
2015	63	0.5	248	1.8	605	4.3	405	2.9	NA	NA
2016	48	0.3	324	2.2	725	5.0	395	2.7	NA	NA
2017	40	0.3	258	1.8	597	4.1	350	2.4	8	0.1
2018	36	0.2	359	2.4	631	4.2	396	2.7	20	0.1
2019	42	0.3	444	3.0	518	3.5	388	2.6	94	0.6

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 15  
Percent of Postbaccalaureate Doctor of Pharmacy Degree (Pharm.D.2) Recipients 1985–2019 by Race/Ethnicity

Year	White <sup>a</sup>		Black or African American <sup>b</sup>		Hispanic or Latino <sup>c</sup>		Asian <sup>d</sup>		Native Hawaiian or Other Pacific Islander <sup>e</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	174	77.7	13	5.8	2	0.9	7	3.1	NA	NA
1986	154	73.3	15	7.1	6	2.9	6	2.9	NA	NA
1987	170	80.2	5	2.4	7	3.3	6	2.8	NA	NA
1988	124	78.0	5	3.1	1	0.6	3	1.9	NA	NA
1989	171	77.0	9	4.1	3	1.4	14	6.3	NA	NA
1990	244	80.8	13	4.3	10	3.3	10	3.3	NA	NA
1991	217	80.1	11	4.1	4	1.5	11	4.1	NA	NA
1992	232	81.1	15	5.2	2	0.7	6	2.1	NA	NA
1993	308	77.8	17	4.3	9	2.3	16	4.0	NA	NA
1994	462	80.3	26	4.5	12	2.1	33	5.7	NA	NA
1995	573	81.4	38	5.4	10	1.4	47	6.7	NA	NA
1996	589	80.5	34	4.6	11	1.5	55	7.5	NA	NA
1997	674	78.5	59	6.9	5	0.6	64	7.5	NA	NA
1998	786	77.5	41	4.0	12	1.2	125	12.3	NA	NA
1999	627	68.7	59	6.5	35	3.8	108	11.8	NA	NA
2000	897	70.7	67	5.3	54	4.3	175	13.8	NA	NA
2001	690	70.5	62	6.3	23	2.3	153	15.6	NA	NA
2002	533	68.3	43	5.5	29	3.7	125	16.0	NA	NA
2003	567	63.4	57	6.4	34	3.8	149	16.6	NA	NA
2004	472	62.4	80	10.6	43	5.7	89	11.8	NA	NA
2005	351	52.5	55	8.2	53	7.9	86	12.9	NA	NA
2006	284	55.1	42	8.2	29	5.6	68	13.2	NA	NA
2007	187	39.8	97	20.6	47	10.0	72	15.3	NA	NA
2008	344	54.9	61	9.7	22	3.5	103	16.4	NA	NA
2009	254	48.1	46	8.7	23	4.4	97	18.4	NA	NA
2010	193	36.6	53	10.1	33	6.3	91	17.3	NA	NA
2011	162	39.0	47	11.3	32	7.7	79	19.0	4	1.0
2012	182	41.0	46	10.4	26	5.9	96	21.6	0	0.0
2013	139	40.4	36	10.5	14	4.1	66	19.2	0	0.0
2014	121	35.7	52	15.3	17	5.0	79	23.3	0	0.0
2015	86	31.5	29	10.6	9	3.3	50	18.3	0	0.0
2016	93	28.5	58	17.8	8	2.5	63	19.3	3	0.9
2017	57	26.3	32	14.7	5	2.3	47	21.7	0	0.0
2018	51	24.9	28	13.7	4	2.0	45	22.0	0	0.0
2019	93	29.8	56	17.9	9	2.9	58	18.6	0	0.0

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 15 (continued)

## Percent of Postbaccalaureate Doctor of Pharmacy Degree (Pharm.D.2) Recipients 1985–2019 by Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>		Two or More Races <sup>g</sup>		Unknown <sup>h</sup>		International/Foreign <sup>i</sup>		Unknown/Other Gender <sup>j</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	1	0.4	NA	NA	6	2.7	21	9.4	NA	NA
1986	0	0.0	NA	NA	0	0.0	29	13.8	NA	NA
1987	0	0.0	NA	NA	4	1.9	20	9.4	NA	NA
1988	0	0.0	NA	NA	0	0.0	26	16.4	NA	NA
1989	0	0.0	NA	NA	0	0.0	25	11.3	NA	NA
1990	0	0.0	NA	NA	4	1.3	21	7.0	NA	NA
1991	0	0.0	NA	NA	2	0.7	26	9.6	NA	NA
1992	0	0.0	NA	NA	1	0.3	30	10.5	NA	NA
1993	2	0.5	NA	NA	6	1.5	38	9.6	NA	NA
1994	0	0.0	NA	NA	1	0.2	41	7.1	NA	NA
1995	2	0.3	NA	NA	2	0.3	32	4.5	NA	NA
1996	1	0.1	NA	NA	6	0.8	36	4.9	NA	NA
1997	3	0.4	NA	NA	12	1.4	42	4.9	NA	NA
1998	0	0.0	NA	NA	6	0.6	44	4.3	NA	NA
1999	7	0.8	NA	NA	53	5.8	24	2.6	NA	NA
2000	10	0.8	NA	NA	31	2.4	35	2.8	NA	NA
2001	9	0.9	NA	NA	20	2.0	22	2.2	NA	NA
2002	4	0.5	NA	NA	31	4.0	15	1.9	NA	NA
2003	4	0.4	NA	NA	60	6.7	24	2.7	NA	NA
2004	4	0.5	NA	NA	30	4.0	38	5.0	NA	NA
2005	3	0.4	NA	NA	84	12.6	36	5.4	NA	NA
2006	0	0.0	NA	NA	54	10.5	38	7.4	NA	NA
2007	3	0.6	NA	NA	32	6.8	32	6.8	NA	NA
2008	1	0.2	NA	NA	36	5.7	60	9.6	NA	NA
2009	2	0.4	NA	NA	35	6.6	71	13.4	NA	NA
2010	2	0.4	NA	NA	65	12.3	90	17.1	NA	NA
2011	1	0.2	0	0.0	24	5.8	66	15.9	NA	NA
2012	0	0.0	0	0.0	42	9.5	52	11.7	NA	NA
2013	0	0.0	0	0.0	21	6.1	68	19.8	NA	NA
2014	2	0.6	1	0.3	33	9.7	34	10.0	NA	NA
2015	1	0.4	0	0.0	49	17.9	49	17.9	NA	NA
2016	1	0.3	0	0.0	49	15.0	51	15.6	NA	NA
2017	1	0.5	0	0.0	42	19.4	33	15.2	0	0.0
2018	1	0.5	2	1.0	44	21.5	30	14.6	0	0.0
2019	0	0.0	4	1.3	48	15.4	44	14.1	0	0.0

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 16

## Percent of Master of Science Degree (M.S.) Recipients 1985–2019 by Race/Ethnicity

Year	White <sup>a</sup>		Black or African American <sup>b</sup>		Hispanic or Latino <sup>c</sup>		Asian <sup>d</sup>		Native Hawaiian or Other Pacific Islander <sup>e</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	215	63.6	10	3.0	3	0.9	11	3.3	NA	NA
1986	282	68.0	6	1.4	8	1.9	7	1.7	NA	NA
1987	231	66.4	6	1.7	4	1.1	11	3.2	NA	NA
1988	227	64.3	12	3.4	4	1.1	9	2.5	NA	NA
1989	234	59.8	8	2.0	7	1.8	16	4.1	NA	NA
1990	209	54.3	12	3.1	11	2.9	28	7.3	NA	NA
1991	218	59.9	13	3.6	7	1.9	27	7.4	NA	NA
1992	140	49.6	14	5.0	9	3.2	14	5.0	NA	NA
1993	149	49.5	9	3.0	20	6.6	13	4.3	NA	NA
1994	169	47.6	8	2.3	13	3.7	19	5.4	NA	NA
1995	206	52.6	16	4.1	16	4.1	32	8.2	NA	NA
1996	236	55.9	12	2.8	16	3.8	23	5.5	NA	NA
1997	194	48.5	18	4.5	17	4.3	36	9.0	NA	NA
1998	213	50.6	14	3.3	19	4.5	38	9.0	NA	NA
1999	173	45.1	20	5.2	8	2.1	31	8.1	NA	NA
2000	172	48.6	13	3.7	13	3.7	36	10.2	NA	NA
2001	214	46.4	26	5.6	18	3.9	46	10.0	NA	NA
2002	181	40.9	17	3.8	16	3.6	43	9.7	NA	NA
2003	206	43.6	35	7.4	11	2.3	68	14.4	NA	NA
2004	280	43.0	51	7.8	26	4.0	89	13.7	NA	NA
2005	270	43.1	42	6.7	19	3.0	80	12.8	NA	NA
2006	274	42.5	52	8.1	28	4.3	49	7.6	NA	NA
2007	278	46.0	49	8.1	12	2.0	84	13.9	NA	NA
2008	318	43.4	35	4.8	33	4.5	75	10.2	NA	NA
2009	186	24.3	30	3.9	11	1.4	85	11.1	NA	NA
2010	222	28.7	22	2.8	22	2.8	78	10.1	NA	NA
2011	235	28.6	38	4.6	16	1.9	78	9.5	2	0.2
2012	217	31.9	24	3.5	15	2.2	81	11.9	1	0.1
2013	183	27.9	24	3.7	15	2.3	72	11.0	1	0.2
2014	204	26.3	38	4.9	15	1.9	75	9.7	3	0.4
2015	207	28.8	28	3.9	20	2.8	84	11.7	0	0.0
2016	369	36.1	68	6.6	51	5.0	109	10.7	4	0.4
2017	388	40.3	59	6.1	39	4.1	129	13.4	6	0.6
2018	360	34.4	60	5.7	49	4.7	114	10.9	2	0.2
2019	422	37.4	66	5.9	56	5.0	136	12.1	1	0.1

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 16 (continued)

## Percent of Master of Science Degree (M.S.) Recipients 1985–2019 by Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>		Two or More Races <sup>g</sup>		Unknown <sup>h</sup>		International/ Foreign <sup>i</sup>		Unknown/Other Gender <sup>j</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	0	0.0	NA	NA	1	0.3	98	29.0	NA	NA
1986	1	0.2	NA	NA	0	0.0	111	26.7	NA	NA
1987	0	0.0	NA	NA	14	4.0	82	23.6	NA	NA
1988	2	0.6	NA	NA	2	0.6	97	27.5	NA	NA
1989	0	0.0	NA	NA	2	0.5	124	31.7	NA	NA
1990	1	0.3	NA	NA	8	2.1	116	30.1	NA	NA
1991	0	0.0	NA	NA	2	0.5	97	26.6	NA	NA
1992	0	0.0	NA	NA	5	1.8	100	35.5	NA	NA
1993	0	0.0	NA	NA	5	1.7	105	34.9	NA	NA
1994	0	0.0	NA	NA	5	1.4	141	39.7	NA	NA
1995	0	0.0	NA	NA	1	0.3	121	30.9	NA	NA
1996	0	0.0	NA	NA	8	1.9	127	30.1	NA	NA
1997	0	0.0	NA	NA	5	1.3	130	32.5	NA	NA
1998	1	0.2	NA	NA	13	3.1	123	29.2	NA	NA
1999	0	0.0	NA	NA	19	4.9	133	34.6	NA	NA
2000	1	0.3	NA	NA	2	0.6	117	33.1	NA	NA
2001	1	0.2	NA	NA	12	2.6	144	31.2	NA	NA
2002	0	0.0	NA	NA	15	3.4	171	38.6	NA	NA
2003	0	0.0	NA	NA	16	3.4	136	28.8	NA	NA
2004	1	0.2	NA	NA	39	6.0	165	25.3	NA	NA
2005	2	0.3	NA	NA	69	11.0	144	23.0	NA	NA
2006	2	0.3	NA	NA	57	8.9	182	28.3	NA	NA
2007	2	0.3	NA	NA	51	8.4	128	21.2	NA	NA
2008	1	0.1	NA	NA	64	8.7	206	28.1	NA	NA
2009	0	0.0	NA	NA	75	9.8	380	49.5	NA	NA
2010	1	0.1	NA	NA	73	9.4	355	45.9	NA	NA
2011	2	0.2	1	0.1	66	8.0	384	46.7	NA	NA
2012	4	0.6	3	0.4	27	4.0	309	45.4	NA	NA
2013	3	0.5	7	1.1	31	4.7	319	48.7	NA	NA
2014	0	0.0	5	0.6	49	6.3	386	49.8	NA	NA
2015	0	0.0	8	1.1	22	3.1	351	48.8	NA	NA
2016	3	0.3	16	1.6	42	4.1	361	35.3	NA	NA
2017	4	0.4	12	1.2	32	3.3	291	30.2	2	0.2
2018	5	0.5	11	1.1	39	3.7	407	38.9	0	0.0
2019	4	0.4	16	1.4	49	4.3	375	33.2	3	0.3

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available

Table 17

## Percent of Doctor of Philosophy Degree (Ph.D.) Recipients 1985–2019 by Race/Ethnicity

Year	White <sup>a</sup>		Black or African American <sup>b</sup>		Hispanic or Latino <sup>c</sup>		Asian <sup>d</sup>		Native Hawaiian or Other Pacific Islander <sup>e</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	140	60.3	2	0.9	2	0.9	10	4.3	NA	NA
1986	160	61.5	2	0.8	1	0.4	6	2.3	NA	NA
1987	162	57.2	2	0.7	4	1.4	13	4.6	NA	NA
1988	145	55.1	2	0.8	3	1.1	6	2.3	NA	NA
1989	154	53.7	4	1.4	4	1.4	10	3.5	NA	NA
1990	151	55.3	7	2.6	1	0.4	24	8.8	NA	NA
1991	168	53.7	8	2.6	3	1.0	26	8.3	NA	NA
1992	138	43.5	8	2.5	4	1.3	21	6.6	NA	NA
1993	160	46.0	5	1.4	3	0.9	20	5.7	NA	NA
1994	150	46.9	6	1.9	4	1.3	25	7.8	NA	NA
1995	148	42.3	10	2.9	5	1.4	33	9.4	NA	NA
1996	135	44.4	9	3.0	5	1.6	23	7.6	NA	NA
1997	145	40.5	10	2.8	3	0.8	25	7.0	NA	NA
1998	166	40.4	14	3.4	6	1.5	32	7.8	NA	NA
1999	131	36.5	13	3.6	6	1.7	39	10.9	NA	NA
2000	123	38.1	11	3.4	0	0.0	38	11.8	NA	NA
2001	129	34.4	15	4.0	6	1.6	54	14.4	NA	NA
2002	151	40.2	8	2.1	5	1.3	27	7.2	NA	NA
2003	139	36.2	13	3.4	9	2.3	32	8.3	NA	NA
2004	114	34.0	11	3.3	5	1.5	31	9.3	NA	NA
2005	109	25.4	19	4.4	8	1.9	35	8.2	NA	NA
2006	127	28.7	17	3.8	8	1.8	34	7.7	NA	NA
2007	128	31.1	16	3.9	8	1.9	35	8.5	NA	NA
2008	164	35.0	11	2.4	9	1.9	46	9.8	NA	NA
2009	151	33.0	18	3.9	10	2.2	54	11.8	NA	NA
2010	162	36.0	13	2.9	8	1.8	48	10.7	NA	NA
2011	141	29.9	34	7.2	9	1.9	50	10.6	4	0.8
2012	148	29.8	25	5.0	18	3.6	61	12.3	1	0.2
2013	157	26.7	22	3.7	20	3.4	68	11.5	0	0.0
2014	176	31.2	25	4.4	10	1.8	59	10.4	2	0.4
2015	171	30.5	18	3.2	13	2.3	90	16.0	0	0.0
2016	179	32.7	16	2.9	15	2.7	50	9.1	0	0.0
2017	156	29.1	18	3.4	6	1.1	33	6.1	0	0.0
2018	165	27.5	21	3.5	7	1.2	46	7.7	0	0.0
2019	167	27.8	17	2.8	14	2.3	65	10.8	0	0.0

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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. Prior to 2011, data reported also included degree recipients that were Native Hawaiians or Other Pacific Islanders.

e: 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 degree recipients were included in the "Asian" category.

Table 17 (continued)

## Percent of Doctor of Philosophy Degree (Ph.D.) Recipients 1985–2019 by Race/Ethnicity

Year	American Indian or Alaska Native <sup>f</sup>		Two or More Races <sup>g</sup>		Unknown <sup>h</sup>		International/ Foreign <sup>i</sup>		Unknown/Other Gender <sup>j</sup>	
	N	%	N	%	N	%	N	%	N	%
1985	1	0.4	NA	NA	0	0.0	77	33.2	NA	NA
1986	0	0.0	NA	NA	0	0.0	91	35.0	NA	NA
1987	0	0.0	NA	NA	8	2.8	94	33.2	NA	NA
1988	0	0.0	NA	NA	2	0.8	105	39.9	NA	NA
1989	0	0.0	NA	NA	6	2.1	109	38.0	NA	NA
1990	0	0.0	NA	NA	8	2.9	82	30.0	NA	NA
1991	0	0.0	NA	NA	5	1.6	103	32.9	NA	NA
1992	0	0.0	NA	NA	4	1.3	142	44.8	NA	NA
1993	1	0.3	NA	NA	0	0.0	159	45.7	NA	NA
1994	0	0.0	NA	NA	2	0.6	133	41.6	NA	NA
1995	2	0.6	NA	NA	4	1.1	148	42.3	NA	NA
1996	0	0.0	NA	NA	3	1.0	129	42.4	NA	NA
1997	0	0.0	NA	NA	7	2.0	168	46.9	NA	NA
1998	2	0.5	NA	NA	4	1.0	187	45.5	NA	NA
1999	0	0.0	NA	NA	15	4.2	155	43.2	NA	NA
2000	0	0.0	NA	NA	20	6.2	131	40.6	NA	NA
2001	0	0.0	NA	NA	4	1.1	167	44.5	NA	NA
2002	2	0.5	NA	NA	7	1.9	176	46.8	NA	NA
2003	0	0.0	NA	NA	5	1.3	186	48.4	NA	NA
2004	0	0.0	NA	NA	4	1.2	170	50.7	NA	NA
2005	2	0.5	NA	NA	6	1.4	250	58.3	NA	NA
2006	0	0.0	NA	NA	2	0.5	254	57.5	NA	NA
2007	0	0.0	NA	NA	5	1.2	220	53.4	NA	NA
2008	2	0.4	NA	NA	15	3.2	221	47.2	NA	NA
2009	0	0.0	NA	NA	14	3.1	211	46.1	NA	NA
2010	1	0.2	NA	NA	18	4.0	200	44.4	NA	NA
2011	0	0.0	5	1.1	16	3.4	212	45.0	NA	NA
2012	2	0.4	2	0.4	30	6.0	210	42.3	NA	NA
2013	1	0.2	9	1.5	20	3.4	292	49.6	NA	NA
2014	1	0.2	3	0.5	15	2.7	274	48.5	NA	NA
2015	1	0.2	2	0.4	10	1.8	256	45.6	NA	NA
2016	1	0.2	5	0.9	15	2.7	266	48.6	NA	NA
2017	4	0.7	4	0.7	10	1.9	306	57.0	0	0.0
2018	1	0.2	1	0.2	16	2.7	343	57.2	0	0.0
2019	5	0.8	5	0.8	16	2.7	297	49.5	14	2.3

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race. Prior to 2011, these degree recipients were included in the "Unknown" category.

h: U.S. citizens or permanent residents whose race and ethnicity are not known. Prior to 2011, data reported also included degree recipients that were of two or more races.

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

NA: Not available



Table 18  
 Recipients of the Doctor of Pharmacy Degree Conferred as the First Professional Degree (Pharm.D.1) 1985–2019  
 by Residency/Citizenship

Year	Total	U.S. Citizen/Permanent Resident		Foreign/Nonpermanent Resident		Unknown	
	N	N	%	N	%	N	%
1985	588	559	95.1	29	4.9	NA	NA
1986	610	565	92.6	45	7.4	NA	NA
1987	690	650	94.2	40	5.8	NA	NA
1988	813	776	95.4	37	4.6	NA	NA
1989	839	810	96.5	29	3.5	NA	NA
1990	946	913	96.5	33	3.5	NA	NA
1991	1,195	1,172	98.1	23	1.9	NA	NA
1992	1,216	1,187	97.6	29	2.4	NA	NA
1993	1,349	1,320	97.9	29	2.1	NA	NA
1994	1,359	1,331	97.9	28	2.1	NA	NA
1995	1,619	1,583	97.8	36	2.2	NA	NA
1996	1,835	1,794	97.8	41	2.2	NA	NA
1997	2,004	1,947	97.2	57	2.8	NA	NA
1998	2,632	2,584	98.2	48	1.8	NA	NA
1999	3,265	3,205	98.2	60	1.8	NA	NA
2000	4,304	4,208	97.8	96	2.2	NA	NA
2001	5,086	4,977	97.9	109	2.1	NA	NA
2002	6,158	6,013	97.6	145	2.4	NA	NA
2003	6,649	6,469	97.3	180	2.7	NA	NA
2004	7,770	7,560	97.3	210	2.7	NA	NA
2005	8,242	8,048	97.6	194	2.4	NA	NA
2006	9,040	8,821	97.6	219	2.4	NA	NA
2007	9,812	9,610	98.0	202	2.0	NA	NA
2008	10,500	10,260	97.7	240	2.3	NA	NA
2009	10,988	10,696	97.3	292	2.7	NA	NA
2010	11,487	11,228	97.7	259	2.3	NA	NA
2011	11,931	11,623	97.4	308	2.6	NA	NA
2012	12,719	12,438	97.8	281	2.2	NA	NA
2013	13,207	12,914	97.8	293	2.2	NA	NA
2014	13,838	13,535	97.8	303	2.2	NA	NA
2015	13,994	13,589	97.1	405	2.9	NA	NA
2016	14,556	14,161	97.3	395	2.7	NA	NA
2017	14,502	14,144	97.5	350	2.4	8	0.1
2018	14,905	14,489	97.2	396	2.7	20	0.1
2019	14,800	14,318	96.7	388	2.6	94	0.6

NA: Not available

Table 19  
 Postbaccalaureate Doctor of Pharmacy Degree (Pharm.D.2) Recipients 1985–2019 by Residency/Citizenship

Year	Total	U.S. Citizen/Permanent Resident		Foreign/Nonpermanent Resident		Unknown	
	N	N	%	N	%	N	%
1985	224	203	90.6	21	9.4	NA	NA
1986	210	181	86.2	29	13.8	NA	NA
1987	212	192	90.6	20	9.4	NA	NA
1988	159	133	83.6	26	16.4	NA	NA
1989	222	197	88.7	25	11.3	NA	NA
1990	302	281	93.0	21	7.0	NA	NA
1991	271	245	90.4	26	9.6	NA	NA
1992	286	256	89.5	30	10.5	NA	NA
1993	396	358	90.4	38	9.6	NA	NA
1994	575	534	92.9	41	7.1	NA	NA
1995	704	672	95.5	32	4.5	NA	NA
1996	732	696	95.1	36	4.9	NA	NA
1997	859	817	95.1	42	4.9	NA	NA
1998	1,014	970	95.7	44	4.3	NA	NA
1999	913	889	97.4	24	2.6	NA	NA
2000	1,269	1,234	97.2	35	2.8	NA	NA
2001	979	957	97.8	22	2.2	NA	NA
2002	780	765	98.1	15	1.9	NA	NA
2003	895	871	97.3	24	2.7	NA	NA
2004	756	718	95.0	38	5.0	NA	NA
2005	668	632	94.6	36	5.4	NA	NA
2006	515	477	92.6	38	7.4	NA	NA
2007	470	438	93.2	32	6.8	NA	NA
2008	627	567	90.4	60	9.6	NA	NA
2009	528	457	86.6	71	13.4	NA	NA
2010	527	437	82.9	90	17.1	NA	NA
2011	415	349	84.1	66	15.9	NA	NA
2012	444	392	88.3	52	11.7	NA	NA
2013	344	276	80.2	68	19.8	NA	NA
2014	339	305	90.0	34	10.0	NA	NA
2015	273	224	82.1	49	17.9	NA	NA
2016	326	275	84.4	51	15.6	NA	NA
2017	217	184	84.8	33	15.2	0	0.0
2018	205	175	85.4	30	14.6	0	0.0
2019	312	268	85.9	44	14.1	0	0.0

NA: Not available

Table 20

## Master of Science Degree (M.S.) Recipients 1985–2019 by Residency/Citizenship

Year	Total	U.S. Citizen/Permanent Resident		Foreign/Nonpermanent Resident		Unknown	
	N	N	%	N	%	N	%
1985	338	240	71.0	98	29.0	NA	NA
1986	415	304	73.3	111	26.7	NA	NA
1987	348	266	76.4	82	23.6	NA	NA
1988	353	256	72.5	97	27.5	NA	NA
1989	391	267	68.3	124	31.7	NA	NA
1990	385	269	69.9	116	30.1	NA	NA
1991	364	267	73.4	97	26.6	NA	NA
1992	282	182	64.5	100	35.5	NA	NA
1993	301	196	65.1	105	34.9	NA	NA
1994	355	214	60.3	141	39.7	NA	NA
1995	392	271	69.1	121	30.9	NA	NA
1996	422	295	69.9	127	30.1	NA	NA
1997	400	270	67.5	130	32.5	NA	NA
1998	421	298	70.8	123	29.2	NA	NA
1999	384	251	65.4	133	34.6	NA	NA
2000	354	237	67.0	117	33.0	NA	NA
2001	461	317	68.8	144	31.2	NA	NA
2002	443	272	61.4	171	38.6	NA	NA
2003	472	336	71.2	136	28.8	NA	NA
2004	651	486	74.7	165	25.3	NA	NA
2005	626	482	77.0	144	23.0	NA	NA
2006	644	462	71.7	182	28.3	NA	NA
2007	604	476	78.8	128	21.2	NA	NA
2008	732	526	71.9	206	28.1	NA	NA
2009	767	387	50.5	380	49.5	NA	NA
2010	773	418	54.1	355	45.9	NA	NA
2011	822	438	53.3	384	46.7	NA	NA
2012	681	372	54.6	309	45.4	NA	NA
2013	655	336	51.3	319	48.7	NA	NA
2014	775	389	50.2	386	49.8	NA	NA
2015	720	369	51.3	351	48.8	NA	NA
2016	1,023	662	64.7	361	35.3	NA	NA
2017	962	669	69.5	291	30.2	2	0.2
2018	1,047	640	61.1	407	38.9	0	0.0
2019	1,128	750	66.5	375	33.2	3	0.3

NA: Not available

Table 21

## Doctor of Philosophy Degree (Ph.D.) Recipients 1985–2019 by Residency/Citizenship

Year	Total	U.S. Citizen/Permanent Resident		Foreign/Nonpermanent Resident		Unknown	
	N	N	%	N	%	N	%
1985	232	155	66.8	77	33.2	NA	NA
1986	260	169	65.0	91	35.0	NA	NA
1987	283	189	66.8	94	33.2	NA	NA
1988	263	158	60.1	105	39.9	NA	NA
1989	287	178	62.0	109	38.0	NA	NA
1990	273	191	70.0	82	30.0	NA	NA
1991	313	210	67.1	103	32.9	NA	NA
1992	317	175	55.2	142	44.8	NA	NA
1993	348	189	54.3	159	45.7	NA	NA
1994	320	187	58.4	133	41.6	NA	NA
1995	350	202	57.7	148	42.3	NA	NA
1996	304	175	57.6	129	42.4	NA	NA
1997	358	190	53.1	168	46.9	NA	NA
1998	411	224	54.5	187	45.5	NA	NA
1999	359	204	56.8	155	43.2	NA	NA
2000	323	192	59.4	131	40.6	NA	NA
2001	375	208	55.5	167	44.5	NA	NA
2002	376	200	53.2	176	46.8	NA	NA
2003	384	198	51.6	186	48.4	NA	NA
2004	335	165	49.3	170	50.7	NA	NA
2005	429	179	41.7	250	58.3	NA	NA
2006	442	188	42.5	254	57.5	NA	NA
2007	412	192	46.6	220	53.4	NA	NA
2008	468	247	52.8	221	47.2	NA	NA
2009	458	247	53.9	211	46.1	NA	NA
2010	450	250	55.6	200	44.4	NA	NA
2011	471	259	55.0	212	45.0	NA	NA
2012	497	287	57.7	210	42.3	NA	NA
2013	589	297	50.4	292	49.6	NA	NA
2014	565	291	51.5	274	48.5	NA	NA
2015	561	305	54.4	256	45.6	NA	NA
2016	547	281	51.4	266	48.6	NA	NA
2017	537	231	43.0	306	57.0	0	0.0
2018	600	257	42.8	343	57.2	0	0.0
2019	600	289	48.2	297	49.5	14	2.3

NA: Not available

Table 22

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Pharm.D.1 <sup>a</sup>				Pharm.D.2 <sup>b</sup>				M.S.				Ph.D.			
	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total
Auburn	51	96	0	147	0	0	0	0	0	1	0	1	8	4	0	12
Samford	43	80	0	123	0	0	0	0	0	0	0	0	0	0	0	0
Midwestern/Glendale	61	82	0	143	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	59	61	0	120	0	0	0	0	1	1	0	2	4	6	0	10
Harding	17	31	0	48	0	0	0	0	0	0	0	0	0	0	0	0
Arkansas	43	67	0	110	0	0	0	0	0	0	0	0	3	3	0	6
American	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California Health Sciences	25	29	0	54	0	0	0	0	0	0	0	0	0	0	0	0
California Northstate	25	44	0	69	0	0	0	0	0	0	0	0	0	0	0	0
Chapman	33	42	0	75	0	0	0	0	3	3	0	6	2	0	0	2
Keck (KGI)	27	50	0	77	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda	24	46	0	70	0	0	0	0	0	0	0	0	0	0	0	0
Marshall B. Ketchum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro-CA	25	60	0	85	0	0	0	0	4	4	0	8	0	0	0	0
California-San Diego	14	45	2	61	0	0	0	0	0	0	0	0	0	0	0	0
California-San Francisco	39	77	0	116	0	0	0	0	4	0	0	4	14	7	0	21
Pacific-CA	75	122	0	197	0	0	0	0	5	4	0	9	6	9	0	15
Southern California	51	130	0	181	0	0	0	0	27	59	0	86	6	13	0	19
West Coast	14	32	0	46	0	0	0	0	0	0	0	0	0	0	0	0
Western	41	74	0	115	10	13	0	23	3	4	0	7	0	0	0	0
Regis	0	0	70	70	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	43	91	0	134	8	12	0	20	0	0	0	0	5	2	0	7
Saint Joseph	24	57	0	81	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	41	52	0	93	0	0	0	0	0	0	0	0	1	2	0	3
Howard	17	38	0	55	0	0	0	0	0	0	0	0	1	2	0	3
Florida A&M	37	92	0	129	0	0	0	0	2	1	0	3	1	3	0	4
Larkin	15	34	0	49	0	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern	84	160	0	244	0	0	0	0	2	3	0	5	4	2	0	6
Palm Beach Atlantic	27	38	0	65	0	0	0	0	0	0	0	0	0	0	0	0
Florida	77	148	0	225	42	103	0	145	59	133	0	192	10	7	0	17
South Florida	38	52	1	91	0	0	0	0	9	4	0	13	0	0	0	0
Mercer	47	87	0	134	0	0	0	0	0	0	0	0	3	7	0	10
PCOM-GA	45	45	0	90	0	0	0	0	0	0	0	0	0	0	0	0
South-GA	36	75	5	116	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	42	91	0	133	0	0	0	0	6	10	0	16	6	5	0	11
Hawaii-Hilo	24	50	0	74	0	0	0	0	1	0	0	1	0	0	0	0
Idaho State	40	29	0	69	2	6	0	8	0	0	0	0	0	0	0	0
Chicago State	34	42	0	76	0	0	0	0	0	0	0	0	0	0	0	0
Midwestern/Downers Grove	77	130	0	207	0	0	0	0	0	0	0	0	0	0	0	0
Roosevelt	33	36	0	69	0	0	0	0	0	0	0	0	0	0	0	0
Rosalind Franklin	28	39	0	67	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois Edwardsville	25	57	0	82	0	0	0	0	2	3	0	5	0	0	0	0
Illinois at Chicago	74	111	0	185	0	0	0	0	3	8	0	11	5	9	0	14
Butler	30	74	0	104	0	0	0	0	0	2	0	2	0	0	0	0
Manchester	28	36	0	64	0	0	0	0	4	4	0	8	0	0	0	0
Purdue	37	109	0	146	0	0	0	0	2	2	0	4	8	11	0	19
Drake	32	72	0	104	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	38	66	0	104	0	0	0	0	1	4	0	5	7	7	0	14
Kansas	51	80	0	131	0	0	0	0	3	6	0	9	11	3	0	14

(continued on the following page)

Table 22 (continued)

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Total			Total
	Male	Female	Unknown/ Other Gender	
Auburn	59	101	0	<b>160</b>
Samford	43	80	0	<b>123</b>
Midwestern/Glendale	61	82	0	<b>143</b>
Arizona	64	68	0	<b>132</b>
Harding	17	31	0	<b>48</b>
Arkansas	46	70	0	<b>116</b>
American	0	0	0	<b>0</b>
California Health Sciences	25	29	0	<b>54</b>
California Northstate	25	44	0	<b>69</b>
Chapman	38	45	0	<b>83</b>
Keck (KGI)	27	50	0	<b>77</b>
Loma Linda	24	46	0	<b>70</b>
Marshall B. Ketchum	0	0	0	<b>0</b>
Touro-CA	29	64	0	<b>93</b>
California-San Diego	14	45	2	<b>61</b>
California-San Francisco	57	84	0	<b>141</b>
Pacific-CA	86	135	0	<b>221</b>
Southern California	84	202	0	<b>286</b>
West Coast	14	32	0	<b>46</b>
Western	54	91	0	<b>145</b>
Regis	0	0	70	<b>70</b>
Colorado	56	105	0	<b>161</b>
Saint Joseph	24	57	0	<b>81</b>
Connecticut	42	54	0	<b>96</b>
Howard	18	40	0	<b>58</b>
Florida A&M	40	96	0	<b>136</b>
Larkin	15	34	0	<b>49</b>
Nova Southeastern	90	165	0	<b>255</b>
Palm Beach Atlantic	27	38	0	<b>65</b>
Florida	188	391	0	<b>579</b>
South Florida	47	56	1	<b>104</b>
Mercer	50	94	0	<b>144</b>
PCOM-GA	45	45	0	<b>90</b>
South-GA	36	75	5	<b>116</b>
Georgia	54	106	0	<b>160</b>
Hawaii-Hilo	25	50	0	<b>75</b>
Idaho State	42	35	0	<b>77</b>
Chicago State	34	42	0	<b>76</b>
Midwestern/Downers Grove	77	130	0	<b>207</b>
Roosevelt	33	36	0	<b>69</b>
Rosalind Franklin	28	39	0	<b>67</b>
Southern Illinois Edwardsville	27	60	0	<b>87</b>
Illinois at Chicago	82	128	0	<b>210</b>
Butler	30	76	0	<b>106</b>
Manchester	32	40	0	<b>72</b>
Purdue	47	122	0	<b>169</b>
Drake	32	72	0	<b>104</b>
Iowa	46	77	0	<b>123</b>
Kansas	65	89	0	<b>154</b>

(continued on the following page)

Table 22 (continued)

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Pharm.D.1°				Pharm.D.2 <sup>b</sup>				M.S.				Ph.D.			
	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total
Sullivan	26	52	1	79	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	56	85	0	141	0	0	0	0	2	5	0	7	6	7	0	13
Louisiana at Monroe	28	65	0	93	0	0	0	0	0	0	0	0	8	0	0	8
Xavier	29	96	0	125	0	0	0	0	0	0	0	0	0	0	0	0
Husson	19	22	0	41	0	0	0	0	0	0	0	0	0	0	0	0
New England	36	56	0	92	0	0	0	0	0	0	0	0	0	0	0	0
Notre Dame	19	30	0	49	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	62	93	2	157	0	0	0	0	22	47	1	70	6	2	0	8
Maryland Eastern Shore	29	33	0	62	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	110	200	0	310	16	16	0	32	26	47	0	73	14	8	0	22
MCPHS-Worcester	94	176	0	270	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern	37	89	0	126	0	0	0	0	26	35	0	61	3	7	0	10
Western New England	26	36	0	62	0	0	0	0	0	0	0	0	0	0	0	0
Ferris State	67	85	0	152	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	31	52	0	83	0	0	0	0	0	0	0	0	15	8	0	23
Wayne State	41	56	1	98	0	0	0	0	1	2	0	3	0	3	0	3
Minnesota	58	103	0	161	0	0	0	0	5	6	0	11	7	10	0	17
Mississippi	43	71	0	114	0	0	0	0	10	18	0	28	9	4	0	13
William Carey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Louis COP	93	150	0	243	0	0	0	0	0	0	0	0	0	0	0	0
Missouri-Kansas City	65	83	0	148	0	0	0	0	0	0	0	0	8	3	0	11
Montana	26	33	0	59	0	0	0	0	1	1	0	2	2	1	0	3
Creighton	41	82	0	123	0	0	0	0	1	3	0	4	0	0	0	0
Nebraska	27	32	0	59	0	0	0	0	0	0	0	0	0	0	13	13
Roseman	91	128	0	219	0	0	0	0	0	0	0	0	0	0	0	0
Fairleigh Dickinson	26	50	0	76	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	69	140	0	209	0	0	0	0	8	9	0	17	6	5	1	12
New Mexico	29	47	0	76	0	0	0	0	2	2	0	4	3	0	0	3
Binghamton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D'Youville	27	45	0	72	0	0	0	0	0	0	0	0	0	0	0	0
A&M Schwartz	74	113	0	187	0	0	0	0	26	31	0	57	2	1	0	3
St. John Fisher	20	61	0	81	0	0	0	0	0	0	0	0	0	0	0	0
St. John's	88	168	0	256	0	0	0	0	10	21	0	31	6	6	0	12
Touro-NY	22	54	1	77	0	0	0	0	0	0	0	0	0	0	0	0
New York at Buffalo	48	73	10	131	0	0	0	0	4	8	0	12	9	2	0	11
Albany	82	135	0	217	0	0	0	0	1	4	0	5	0	0	0	0
Campbell	37	60	0	97	0	0	0	0	11	21	0	32	0	0	0	0
High Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	40	96	0	136	0	0	0	0	5	4	0	9	2	12	0	14
Wingate	37	67	0	104	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota State	28	43	0	71	0	0	0	0	0	0	0	0	3	4	0	7
Cedarville	19	15	0	34	0	0	0	0	0	0	0	0	0	0	0	0
Northeast Ohio	35	32	0	67	0	0	0	0	0	0	0	0	0	0	0	0
Ohio Northern	40	98	0	138	0	0	0	0	0	0	0	0	0	0	0	0
Ohio State	64	71	1	136	0	0	0	0	6	6	1	13	7	2	0	9
Cincinnati	44	52	0	96	0	0	0	0	18	42	0	60	6	5	0	11
Findlay	26	35	0	61	0	0	0	0	0	0	0	0	0	0	0	0
Toledo	48	51	0	99	0	0	0	0	7	5	0	12	5	5	0	10
Southwestern Oklahoma	36	38	0	74	0	0	0	0	0	0	0	0	0	0	0	0

(continued on the following page)

Table 22 (continued)

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Total			Total
	Male	Female	Unknown/ Other Gender	
Sullivan	26	52	1	79
Kentucky	64	97	0	161
Louisiana at Monroe	36	65	0	101
Xavier	29	96	0	125
Husson	19	22	0	41
New England	36	56	0	92
Notre Dame	19	30	0	49
Maryland	90	142	3	235
Maryland Eastern Shore	29	33	0	62
MCPHS-Boston	166	271	0	437
MCPHS-Worcester	94	176	0	270
Northeastern	66	131	0	197
Western New England	26	36	0	62
Ferris State	67	85	0	152
Michigan	46	60	0	106
Wayne State	42	61	1	104
Minnesota	70	119	0	189
Mississippi	62	93	0	155
William Carey	0	0	0	0
St. Louis COP	93	150	0	243
Missouri-Kansas City	73	86	0	159
Montana	29	35	0	64
Creighton	42	85	0	127
Nebraska	27	32	13	72
Roseman	91	128	0	219
Fairleigh Dickinson	26	50	0	76
Rutgers	83	154	1	238
New Mexico	34	49	0	83
Binghamton	0	0	0	0
D'Youville	27	45	0	72
A&M Schwartz	102	145	0	247
St. John Fisher	20	61	0	81
St. John's	104	195	0	299
Touro-NY	22	54	1	77
New York at Buffalo	61	83	10	154
Albany	83	139	0	222
Campbell	48	81	0	129
High Point	0	0	0	0
North Carolina	47	112	0	159
Wingate	37	67	0	104
North Dakota State	31	47	0	78
Cedarville	19	15	0	34
Northeast Ohio	35	32	0	67
Ohio Northern	40	98	0	138
Ohio State	77	79	2	158
Cincinnati	68	99	0	167
Findlay	26	35	0	61
Toledo	60	61	0	121
Southwestern Oklahoma	36	38	0	74

(continued on the following page)



Table 22 (continued)

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Pharm.D.1 <sup>a</sup>				Pharm.D.2 <sup>b</sup>				M.S.				Ph.D.			
	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total
Oklahoma	37	44	0	81	0	0	0	0	1	1	0	2	1	4	0	5
Oregon State	50	47	0	97	0	0	0	0	0	0	0	0	3	1	0	4
Pacific-OR	36	72	0	108	0	0	0	0	0	1	0	1	0	0	0	0
Duquesne	42	95	0	137	0	0	0	0	0	1	0	1	2	1	0	3
LECOM	112	174	0	286	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	54	94	0	148	0	0	0	0	3	5	0	8	1	2	0	3
Temple	63	62	0	125	0	0	0	0	21	63	1	85	5	1	0	6
Thomas Jefferson	25	57	0	82	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	42	72	0	114	0	0	0	0	5	14	0	19	8	9	0	17
Wilkes	20	51	0	71	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	14	27	0	41	0	0	0	0	0	2	0	2	0	0	0	0
Rhode Island	40	65	0	105	0	0	0	0	2	2	0	4	9	2	0	11
Medical Univ. of SC	26	44	0	70	0	0	0	0	0	0	0	0	0	0	0	0
Presbyterian	20	56	0	76	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	24	82	0	106	0	0	0	0	0	0	0	0	2	2	0	4
South Dakota State	23	54	0	77	0	0	0	0	0	0	0	0	8	0	0	8
Belmont	30	36	0	66	0	0	0	0	0	0	0	0	0	0	0	0
East Tennessee State	36	40	0	76	0	0	0	0	0	0	0	0	0	0	0	0
Lipscomb	20	40	0	60	0	0	0	0	0	0	0	0	0	0	0	0
South-TN	31	46	0	77	0	0	0	0	0	0	0	0	0	0	0	0
Union	15	24	0	39	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	75	112	0	187	0	0	0	0	14	7	0	21	4	5	0	9
Texas A&M	51	59	0	110	0	0	0	0	0	0	0	0	0	0	0	0
Texas Southern	37	67	0	104	0	0	0	0	0	0	0	0	0	0	0	0
Texas Tech	67	79	0	146	0	0	0	0	1	3	0	4	1	4	0	5
Houston	52	78	0	130	0	0	0	0	2	5	0	7	4	4	0	8
Incarnate Word	30	61	0	91	0	0	0	0	0	0	0	0	0	0	0	0
North Texas	52	58	0	110	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	41	85	0	126	0	0	0	0	2	5	0	7	8	7	0	15
Texas at El Paso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Tyler	32	32	0	64	0	0	0	0	0	0	0	0	0	0	0	0
Utah	31	32	0	63	0	0	0	0	2	1	0	3	9	2	0	11
Hampton	12	50	0	62	0	0	0	0	0	0	0	0	0	0	0	0
Shenandoah	19	46	0	65	18	31	0	49	0	0	0	0	0	0	0	0
Appalachian	32	32	0	64	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	31	96	0	127	0	0	0	0	3	4	0	7	9	15	0	24
Washington	35	50	0	85	0	0	0	0	2	7	0	9	4	3	0	7
Washington State	62	87	0	149	0	0	0	0	0	0	0	0	0	4	0	4
Marshall	44	35	0	79	0	0	0	0	0	0	0	0	0	0	0	0
Charleston	24	30	0	54	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	35	37	0	72	0	0	0	0	0	0	0	0	0	3	0	3
Concordia	37	52	0	89	0	0	0	0	1	3	0	4	0	0	0	0
Medical College of WI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin-Madison	66	83	0	149	0	0	0	0	2	5	0	7	5	5	0	10
Wyoming	17	26	0	43	0	0	0	0	11	18	0	29	0	0	0	0
Lebanese American	0	0	0	0	4	31	0	35	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,526</b>	<b>9,180</b>	<b>94</b>	<b>14,800</b>	<b>100</b>	<b>212</b>	<b>0</b>	<b>312</b>	<b>405</b>	<b>720</b>	<b>3</b>	<b>1,128</b>	<b>315</b>	<b>271</b>	<b>14</b>	<b>600</b>

a: Pharm.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree  
b: Pharm.D.2 refers to the Doctor of Pharmacy degree awarded as a postbaccalaureate degree

(continued on the following page)

Table 22 (continued)

## Number of Degrees Conferred 2018–19 by School, Degree, and Gender

College/School	Total			Total
	Male	Female	Unknown/ Other Gender	
Oklahoma	39	49	0	<b>88</b>
Oregon State	53	48	0	<b>101</b>
Pacific-OR	36	73	0	<b>109</b>
Duquesne	44	97	0	<b>141</b>
LECOM	112	174	0	<b>286</b>
Philadelphia	58	101	0	<b>159</b>
Temple	89	126	1	<b>216</b>
Thomas Jefferson	25	57	0	<b>82</b>
Pittsburgh	55	95	0	<b>150</b>
Wilkes	20	51	0	<b>71</b>
Puerto Rico	14	29	0	<b>43</b>
Rhode Island	51	69	0	<b>120</b>
Medical Univ. of SC	26	44	0	<b>70</b>
Presbyterian	20	56	0	<b>76</b>
South Carolina	26	84	0	<b>110</b>
South Dakota State	31	54	0	<b>85</b>
Belmont	30	36	0	<b>66</b>
East Tennessee State	36	40	0	<b>76</b>
Lipscomb	20	40	0	<b>60</b>
South-TN	31	46	0	<b>77</b>
Union	15	24	0	<b>39</b>
Tennessee	93	124	0	<b>217</b>
Texas A&M	51	59	0	<b>110</b>
Texas Southern	37	67	0	<b>104</b>
Texas Tech	69	86	0	<b>155</b>
Houston	58	87	0	<b>145</b>
Incarnate Word	30	61	0	<b>91</b>
North Texas	52	58	0	<b>110</b>
Texas at Austin	51	97	0	<b>148</b>
Texas at El Paso	0	0	0	<b>0</b>
Texas at Tyler	32	32	0	<b>64</b>
Utah	42	35	0	<b>77</b>
Hampton	12	50	0	<b>62</b>
Shenandoah	37	77	0	<b>114</b>
Appalachian	32	32	0	<b>64</b>
Virginia Commonwealth	43	115	0	<b>158</b>
Washington	41	60	0	<b>101</b>
Washington State	62	91	0	<b>153</b>
Marshall	44	35	0	<b>79</b>
Charleston	24	30	0	<b>54</b>
West Virginia	35	40	0	<b>75</b>
Concordia	38	55	0	<b>93</b>
Medical College of WI	0	0	0	<b>0</b>
Wisconsin-Madison	73	93	0	<b>166</b>
Wyoming	28	44	0	<b>72</b>
Lebanese American	4	31	0	<b>35</b>
<b>Total</b>	<b>6,346</b>	<b>10,383</b>	<b>111</b>	<b>16,840</b>

Table 23

Number of Degrees Conferred 2018–19 by State<sup>a</sup>, Degree, and Gender

State	Pharm.D.1 <sup>b</sup>				Pharm.D.2 <sup>c</sup>				M.S.				Ph.D.				Total			
	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total
Alabama	94	176	0	270	0	0	0	0	0	1	0	1	8	4	0	12	102	181	0	283
Arizona	120	143	0	263	0	0	0	0	1	1	0	2	4	6	0	10	125	150	0	275
Arkansas	60	98	0	158	0	0	0	0	0	0	0	0	3	3	0	6	63	101	0	164
California	393	751	2	1,146	10	13	0	23	46	74	0	120	28	29	0	57	477	867	2	1,346
Colorado	43	91	70	204	8	12	0	20	0	0	0	0	5	2	0	7	56	105	70	231
Connecticut	65	109	0	174	0	0	0	0	0	0	0	0	1	2	0	3	66	111	0	177
District of Columbia	17	38	0	55	0	0	0	0	0	0	0	0	1	2	0	3	18	40	0	58
Florida	278	524	1	803	42	103	0	145	72	141	0	213	15	12	0	27	407	780	1	1,188
Georgia	170	298	5	473	0	0	0	0	6	10	0	16	9	12	0	21	185	320	5	510
Hawaii	24	50	0	74	0	0	0	0	1	0	0	1	0	0	0	0	25	50	0	75
Idaho	40	29	0	69	2	6	0	8	0	0	0	0	0	0	0	0	42	35	0	77
Illinois	271	415	0	686	0	0	0	0	5	11	0	16	5	9	0	14	281	435	0	716
Indiana	95	219	0	314	0	0	0	0	6	8	0	14	8	11	0	19	109	238	0	347
Iowa	70	138	0	208	0	0	0	0	1	4	0	5	7	7	0	14	78	149	0	227
Kansas	51	80	0	131	0	0	0	0	3	6	0	9	11	3	0	14	65	89	0	154
Kentucky	82	137	1	220	0	0	0	0	2	5	0	7	6	7	0	13	90	149	1	240
Louisiana	57	161	0	218	0	0	0	0	0	0	0	0	8	0	0	8	65	161	0	226
Maine	55	78	0	133	0	0	0	0	0	0	0	0	0	0	0	0	55	78	0	133
Maryland	110	156	2	268	0	0	0	0	22	47	1	70	6	2	0	8	138	205	3	346
Massachusetts	267	501	0	768	16	16	0	32	52	82	0	134	17	15	0	32	352	614	0	966
Michigan	139	193	1	333	0	0	0	0	1	2	0	3	15	11	0	26	155	206	1	362
Minnesota	58	103	0	161	0	0	0	0	5	6	0	11	7	10	0	17	70	119	0	189
Mississippi	43	71	0	114	0	0	0	0	10	18	0	28	9	4	0	13	62	93	0	155
Missouri	158	233	0	391	0	0	0	0	0	0	0	0	8	3	0	11	166	236	0	402
Montana	26	33	0	59	0	0	0	0	1	1	0	2	2	1	0	3	29	35	0	64
Nebraska	68	114	0	182	0	0	0	0	1	3	0	4	0	0	13	13	69	117	13	199
Nevada	91	128	0	219	0	0	0	0	0	0	0	0	0	0	0	0	91	128	0	219
New Jersey	95	190	0	285	0	0	0	0	8	9	0	17	6	5	1	12	109	204	1	314
New Mexico	29	47	0	76	0	0	0	0	2	2	0	4	3	0	0	3	34	49	0	83
New York	361	649	11	1,021	0	0	0	0	41	64	0	105	17	9	0	26	419	722	11	1,152
North Carolina	114	223	0	337	0	0	0	0	16	25	0	41	2	12	0	14	132	260	0	392
North Dakota	28	43	0	71	0	0	0	0	0	0	0	0	3	4	0	7	31	47	0	78
Ohio	276	354	1	631	0	0	0	0	31	53	1	85	18	12	0	30	325	419	2	746
Oklahoma	73	82	0	155	0	0	0	0	1	1	0	2	1	4	0	5	75	87	0	162
Oregon	86	119	0	205	0	0	0	0	0	1	0	1	3	1	0	4	89	121	0	210
Pennsylvania	358	605	0	963	0	0	0	0	29	83	1	113	16	13	0	29	403	701	1	1,105
Puerto Rico	14	27	0	41	0	0	0	0	0	2	0	2	0	0	0	0	14	29	0	43
Rhode Island	40	65	0	105	0	0	0	0	2	2	0	4	9	2	0	11	51	69	0	120
South Carolina	70	182	0	252	0	0	0	0	0	0	0	0	2	2	0	4	72	184	0	256

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Table 23 (continued)

Number of Degrees Conferred 2018–19 by State<sup>a</sup>, Degree, and Gender

State	Pharm.D.1 <sup>b</sup>				Pharm.D.2 <sup>c</sup>				M.S.				Ph.D.				Total			
	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total	Male	Female	Unknown/ Other Gender	Total
South Dakota	23	54	0	77	0	0	0	0	0	0	0	0	8	0	0	8	31	54	0	85
Tennessee	207	298	0	505	0	0	0	0	14	7	0	21	4	5	0	9	225	310	0	535
Texas	362	519	0	881	0	0	0	0	5	13	0	18	13	15	0	28	380	547	0	927
Utah	31	32	0	63	0	0	0	0	2	1	0	3	9	2	0	11	42	35	0	77
Virginia	94	224	0	318	18	31	0	49	3	4	0	7	9	15	0	24	124	274	0	398
Washington	97	137	0	234	0	0	0	0	2	7	0	9	4	7	0	11	103	151	0	254
West Virginia	103	102	0	205	0	0	0	0	0	0	0	0	0	3	0	3	103	105	0	208
Wisconsin	103	135	0	238	0	0	0	0	3	8	0	11	5	5	0	10	111	148	0	259
Wyoming	17	26	0	43	0	0	0	0	11	18	0	29	0	0	0	0	28	44	0	72
Lebanon	0	0	0	0	4	31	0	35	0	0	0	0	0	0	0	0	4	31	0	35
<b>Total</b>	<b>5,526</b>	<b>9,180</b>	<b>94</b>	<b>14,800</b>	<b>100</b>	<b>212</b>	<b>0</b>	<b>312</b>	<b>405</b>	<b>720</b>	<b>3</b>	<b>1,128</b>	<b>315</b>	<b>271</b>	<b>14</b>	<b>600</b>	<b>6,346</b>	<b>10,383</b>	<b>111</b>	<b>16,840</b>

a: Degrees conferred are reported by the state in which the school's main campus is located.

b: Pharm.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree

c: Pharm.D.2 refers to the Doctor of Pharmacy degree awarded as a postbaccalaureate degree

Table 24

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	41	74	115	5	11	16	1	3	4	4	8	12	0	0	0	0	0	0
Samford	29	54	83	2	9	11	0	1	1	3	8	11	0	0	0	1	0	1
Midwestern/Glendale	33	34	67	0	3	3	7	6	13	15	24	39	0	0	0	1	0	1
Arizona	31	28	59	2	0	2	8	9	17	17	19	36	0	0	0	0	0	0
Harding	10	22	32	3	1	4	0	4	4	4	2	6	0	0	0	0	0	0
Arkansas	36	58	94	2	1	3	1	1	2	3	5	8	0	0	0	0	0	0
American	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California Health Sciences	6	8	14	2	3	5	3	2	5	14	15	29	0	0	0	0	0	0
California Northstate	3	9	12	1	0	1	1	1	2	17	31	48	0	1	1	0	0	0
Chapman	7	7	14	1	1	2	3	1	4	21	31	52	0	0	0	0	0	0
Keck (KGI)	4	18	22	5	2	7	1	2	3	17	24	41	0	2	2	0	0	0
Loma Linda	6	12	18	1	0	1	0	4	4	15	28	43	0	0	0	0	0	0
Marshall B. Ketchum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro-CA	3	3	6	0	3	3	0	2	2	21	47	68	0	2	2	0	0	0
California-San Diego	1	11	12	0	1	1	0	0	0	11	26	37	0	0	0	0	0	0
California-San Francisco	7	12	19	3	3	6	5	4	9	21	49	70	0	0	0	1	0	1
Pacific-CA	7	8	15	1	1	2	3	5	8	49	92	141	8	3	11	0	0	0
Southern California	9	26	35	1	2	3	2	7	9	35	89	124	0	0	0	0	0	0
West Coast	7	21	28	0	2	2	0	2	2	7	4	11	0	0	0	0	1	1
Western	5	22	27	1	4	5	5	4	9	26	34	60	0	0	0	0	0	0
Regis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	18	52	70	5	2	7	5	12	17	15	21	36	0	0	0	0	2	2
Saint Joseph	6	26	32	5	7	12	0	3	3	5	17	22	0	0	0	0	0	0
Connecticut	31	30	61	0	1	1	1	0	1	6	19	25	0	0	0	0	0	0
Howard	1	2	3	10	24	34	0	0	0	0	6	6	0	0	0	0	0	0
Florida A&M	12	16	28	19	63	82	1	3	4	4	8	12	0	0	0	0	0	0
Larkin	3	3	6	4	12	16	3	13	16	3	6	9	0	0	0	0	0	0
Nova Southeastern	17	24	41	3	9	12	36	89	125	16	25	41	0	0	0	0	1	1
Palm Beach Atlantic	11	13	24	4	6	10	7	9	16	5	7	12	0	0	0	0	0	0
Florida	36	71	107	4	7	11	20	24	44	14	31	45	0	6	6	0	0	0
South Florida	17	22	39	4	6	10	8	8	16	6	11	17	0	1	1	1	0	1
Mercer	17	31	48	8	22	30	2	4	6	19	22	41	0	0	0	0	0	0
PCOM-GA	16	10	26	8	10	18	0	0	0	1	1	2	0	0	0	0	0	0
South-GA	20	38	58	11	22	33	0	0	0	4	11	15	0	0	0	1	0	1
Georgia	31	58	89	4	9	13	1	0	1	5	21	26	0	0	0	0	0	0
Hawaii-Hilo	6	5	11	0	1	1	2	4	6	12	28	40	0	0	0	0	0	0
Idaho State	31	25	56	4	1	5	1	2	3	3	0	3	0	0	0	0	0	0
Chicago State	5	11	16	13	16	29	4	3	7	10	7	17	0	0	0	0	0	0
Midwestern/Downers Grove	35	59	94	4	5	9	5	6	11	32	57	89	0	0	0	0	0	0
Roosevelt	14	14	28	4	3	7	3	2	5	12	13	25	0	0	0	0	0	0
Rosalind Franklin	9	19	28	0	3	3	2	2	4	14	10	24	0	0	0	0	0	0
Southern Illinois Edwardsville	20	49	69	1	2	3	2	0	2	2	5	7	0	0	0	0	0	0
Illinois at Chicago	30	51	81	5	4	9	6	4	10	30	44	74	0	1	1	0	0	0
Butler	28	65	93	0	1	1	0	1	1	1	3	4	0	0	0	0	0	0
Manchester	14	22	36	3	4	7	1	1	2	10	7	17	0	1	1	0	0	0

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Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>a</sup>			Unknown <sup>b</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>i</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/ Other Gender	Total
Auburn	0	0	0	0	0	0	0	0	0	0	51	96	0	147
Samford	5	0	5	2	5	7	1	3	4	0	43	80	0	123
Midwestern/Glendale	4	9	13	0	4	4	1	2	3	0	61	82	0	143
Arizona	0	0	0	1	5	6	0	0	0	0	59	61	0	120
Harding	0	0	0	0	0	0	0	2	2	0	17	31	0	48
Arkansas	1	2	3	0	0	0	0	0	0	0	43	67	0	110
American	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California Health Sciences	0	0	0	0	1	1	0	0	0	0	25	29	0	54
California Northstate	0	1	1	3	1	4	0	0	0	0	25	44	0	69
Chapman	1	2	3	0	0	0	0	0	0	0	33	42	0	75
Keck (KGI)	0	1	1	0	1	1	0	0	0	0	27	50	0	77
Loma Linda	2	2	4	0	0	0	0	0	0	0	24	46	0	70
Marshall B. Ketchum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro-CA	0	1	1	1	2	3	0	0	0	0	25	60	0	85
California-San Diego	2	7	9	0	0	0	0	0	0	2	14	45	2	61
California-San Francisco	1	2	3	1	6	7	0	1	1	0	39	77	0	116
Pacific-CA	4	4	8	3	9	12	0	0	0	0	75	122	0	197
Southern California	2	4	6	2	2	4	0	0	0	0	51	130	0	181
West Coast	0	2	2	0	0	0	0	0	0	0	14	32	0	46
Western	0	4	4	3	6	9	1	0	1	0	41	74	0	115
Regis	0	0	0	0	0	0	0	0	0	70	0	0	70	70
Colorado	0	0	0	0	0	0	0	2	2	0	43	91	0	134
Saint Joseph	5	1	6	3	2	5	0	1	1	0	24	57	0	81
Connecticut	0	0	0	3	2	5	0	0	0	0	41	52	0	93
Howard	1	1	2	0	0	0	5	5	10	0	17	38	0	55
Florida A&M	0	0	0	1	2	3	0	0	0	0	37	92	0	129
Larkin	2	0	2	0	0	0	0	0	0	0	15	34	0	49
Nova Southeastern	0	0	0	3	2	5	9	10	19	0	84	160	0	244
Palm Beach Atlantic	0	2	2	0	0	0	0	1	1	0	27	38	0	65
Florida	0	0	0	3	9	12	0	0	0	0	77	148	0	225
South Florida	2	1	3	0	3	3	0	0	0	1	38	52	1	91
Mercer	1	1	2	0	4	4	0	3	3	0	47	87	0	134
PCOM-GA	18	19	37	2	3	5	0	2	2	0	45	45	0	90
South-GA	0	3	3	0	1	1	0	0	0	5	36	75	5	116
Georgia	0	1	1	0	1	1	1	1	2	0	42	91	0	133
Hawaii-Hilo	3	12	15	0	0	0	1	0	1	0	24	50	0	74
Idaho State	0	0	0	0	0	0	1	1	2	0	40	29	0	69
Chicago State	0	1	1	1	2	3	1	2	3	0	34	42	0	76
Midwestern/Downers Grove	0	0	0	0	2	2	1	1	2	0	77	130	0	207
Roosevelt	0	1	1	0	0	0	0	3	3	0	33	36	0	69
Rosalind Franklin	1	2	3	1	1	2	1	2	3	0	28	39	0	67
Southern Illinois Edwardsville	0	1	1	0	0	0	0	0	0	0	25	57	0	82
Illinois at Chicago	0	3	3	1	3	4	2	1	3	0	74	111	0	185
Butler	0	1	1	1	2	3	0	1	1	0	30	74	0	104
Manchester	0	0	0	0	1	1	0	0	0	0	28	36	0	64

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Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Purdue	30	77	107	0	4	4	2	2	4	4	16	20	0	0	0	0	1	1
Drake	26	59	85	0	1	1	0	0	0	1	3	4	3	4	7	0	0	0
Iowa	30	45	75	1	2	3	0	2	2	6	10	16	0	0	0	0	0	0
Kansas	42	58	100	3	2	5	0	3	3	5	11	16	0	0	0	0	0	0
Sullivan	20	37	57	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	49	73	122	0	2	2	3	0	3	2	4	6	0	0	0	1	0	1
Louisiana at Monroe	18	49	67	3	10	13	0	0	0	6	5	11	0	0	0	0	0	0
Xavier	7	30	37	7	36	43	0	0	0	14	27	41	0	1	1	0	2	2
Husson	13	14	27	3	5	8	0	0	0	2	3	5	0	0	0	0	0	0
New England	20	31	51	5	7	12	2	1	3	6	12	18	0	0	0	0	1	1
Notre Dame	8	11	19	6	9	15	0	2	2	5	7	12	0	1	1	0	0	0
Maryland	20	32	52	9	16	25	2	2	4	28	36	64	0	0	0	0	0	0
Maryland Eastern Shore	8	7	15	16	20	36	1	0	1	4	6	10	0	0	0	0	0	0
MCPHS-Boston	47	81	128	4	6	10	3	5	8	38	60	98	0	0	0	1	1	2
MCPHS-Worcester	18	65	83	14	24	38	7	8	15	31	46	77	0	1	1	0	1	1
Northeastern	9	24	33	3	4	7	1	1	2	14	40	54	0	0	0	0	0	0
Western New England	21	28	49	2	2	4	0	1	1	2	4	6	0	0	0	0	0	0
Ferris State	53	68	121	1	0	1	1	3	4	4	4	8	0	0	0	0	0	0
Michigan	16	27	43	1	1	2	0	0	0	11	15	26	0	0	0	0	0	0
Wayne State	26	37	63	1	0	1	0	0	0	8	10	18	0	0	0	0	0	0
Minnesota	44	62	106	3	3	6	0	2	2	9	24	33	0	0	0	0	0	0
Mississippi	35	59	94	3	4	7	1	0	1	2	6	8	0	0	0	0	0	0
William Carey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Louis COP	48	95	143	5	6	11	0	1	1	23	32	55	0	0	0	0	1	1
Missouri-Kansas City	52	54	106	4	8	12	2	3	5	5	12	17	0	0	0	0	0	0
Montana	24	28	52	0	0	0	0	0	0	0	5	5	0	0	0	1	0	1
Creighton	20	58	78	2	2	4	2	0	2	12	17	29	1	0	1	1	0	1
Nebraska	23	23	46	1	0	1	2	0	2	1	2	3	0	0	0	0	0	0
Roseman	36	38	74	6	9	15	3	5	8	36	70	106	2	2	4	0	0	0
Fairleigh Dickinson	6	18	24	3	6	9	3	5	8	13	15	28	0	0	0	0	0	0
Rutgers	14	36	50	0	4	4	1	1	2	44	84	128	0	1	1	0	0	0
New Mexico	6	17	23	1	0	1	15	20	35	7	6	13	0	0	0	0	4	4
Binghamton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D'Youville	20	34	54	0	0	0	0	0	0	6	3	9	0	1	1	0	0	0
A&M Schwartz	23	43	66	4	7	11	6	7	13	23	33	56	0	0	0	0	0	0
St. John Fisher	15	50	65	2	2	4	0	1	1	1	4	5	0	0	0	0	0	0
St. John's	19	36	55	1	11	12	4	3	7	58	104	162	0	1	1	0	0	0
Touro-NY	6	21	27	2	6	8	0	3	3	4	14	18	0	0	0	0	0	0
New York at Buffalo	24	28	52	3	5	8	2	0	2	14	38	52	1	0	1	0	0	0
Albany	49	80	129	5	7	12	1	5	6	12	14	26	0	0	0	0	0	0
Campbell	29	38	67	4	10	14	0	2	2	3	7	10	0	0	0	0	0	0
High Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	24	55	79	4	10	14	3	7	10	9	20	29	0	0	0	0	1	1
Wingate	25	41	66	4	13	17	1	1	2	2	8	10	1	0	1	1	0	1
North Dakota State	23	38	61	3	4	7	0	0	0	2	1	3	0	0	0	0	0	0

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Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>9</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>i</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/ Other Gender	Total
Purdue	0	2	2	0	2	2	1	5	6	0	37	109	0	146
Drake	0	4	4	2	1	3	0	0	0	0	32	72	0	104
Iowa	0	2	2	1	2	3	0	3	3	0	38	66	0	104
Kansas	0	6	6	0	0	0	1	0	1	0	51	80	0	131
Sullivan	3	7	10	1	5	6	0	0	0	1	26	52	1	79
Kentucky	0	4	4	0	2	2	1	0	1	0	56	85	0	141
Louisiana at Monroe	1	1	2	0	0	0	0	0	0	0	28	65	0	93
Xavier	1	0	1	0	0	0	0	0	0	0	29	96	0	125
Husson	0	0	0	0	0	0	1	0	1	0	19	22	0	41
New England	2	0	2	1	4	5	0	0	0	0	36	56	0	92
Notre Dame	0	0	0	0	0	0	0	0	0	0	19	30	0	49
Maryland	1	3	4	1	0	1	1	4	5	2	62	93	2	157
Maryland Eastern Shore	0	0	0	0	0	0	0	0	0	0	29	33	0	62
MCPHS-Boston	0	2	2	4	13	17	13	32	45	0	110	200	0	310
MCPHS-Worcester	2	1	3	8	7	15	14	23	37	0	94	176	0	270
Northeastern	2	2	4	2	12	14	6	6	12	0	37	89	0	126
Western New England	0	1	1	1	0	1	0	0	0	0	26	36	0	62
Ferris State	0	0	0	8	7	15	0	3	3	0	67	85	0	152
Michigan	0	1	1	1	4	5	2	4	6	0	31	52	0	83
Wayne State	2	1	3	2	3	5	2	5	7	1	41	56	1	98
Minnesota	0	0	0	2	2	4	0	10	10	0	58	103	0	161
Mississippi	2	2	4	0	0	0	0	0	0	0	43	71	0	114
William Carey	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Louis COP	1	2	3	14	10	24	2	3	5	0	93	150	0	243
Missouri-Kansas City	1	2	3	1	2	3	0	2	2	0	65	83	0	148
Montana	1	0	1	0	0	0	0	0	0	0	26	33	0	59
Creighton	0	0	0	2	3	5	1	2	3	0	41	82	0	123
Nebraska	0	2	2	0	0	0	0	5	5	0	27	32	0	59
Roseman	3	2	5	5	2	7	0	0	0	0	91	128	0	219
Fairleigh Dickinson	0	0	0	0	2	2	1	4	5	0	26	50	0	76
Rutgers	1	3	4	1	0	1	8	11	19	0	69	140	0	209
New Mexico	0	0	0	0	0	0	0	0	0	0	29	47	0	76
Binghamton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D'Youville	0	0	0	0	0	0	1	7	8	0	27	45	0	72
A&M Schwartz	6	11	17	12	12	24	0	0	0	0	74	113	0	187
St. John Fisher	0	2	2	2	0	2	0	2	2	0	20	61	0	81
St. John's	3	3	6	2	3	5	1	7	8	0	88	168	0	256
Touro-NY	1	2	3	1	5	6	8	3	11	1	22	54	1	77
New York at Buffalo	0	0	0	4	1	5	0	1	1	10	48	73	10	131
Albany	0	0	0	3	15	18	12	14	26	0	82	135	0	217
Campbell	0	2	2	1	0	1	0	1	1	0	37	60	0	97
High Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0	3	3	0	40	96	0	136
Wingate	3	4	7	0	0	0	0	0	0	0	37	67	0	104
North Dakota State	0	0	0	0	0	0	0	0	0	0	28	43	0	71

(continued on the following page)



Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Cedarville	11	10	21	5	4	9	0	0	0	1	0	1	0	0	0	0	0	0
Northeast Ohio	28	24	52	4	5	9	0	0	0	1	2	3	0	0	0	0	0	0
Ohio Northern	34	83	117	1	1	2	0	1	1	0	4	4	0	0	0	0	0	0
Ohio State	31	25	56	7	4	11	2	2	4	9	15	24	0	0	0	0	0	0
Cincinnati	33	40	73	3	4	7	1	2	3	6	4	10	0	0	0	0	0	0
Findlay	21	28	49	1	4	5	0	1	1	0	0	0	0	0	0	0	0	0
Toledo	41	42	83	2	1	3	0	0	0	2	5	7	0	0	0	0	0	0
Southwestern Oklahoma	22	23	45	2	2	4	0	0	0	3	6	9	0	0	0	0	1	1
Oklahoma	13	22	35	1	5	6	0	1	1	9	11	20	0	0	0	1	1	2
Oregon State	27	24	51	1	1	2	5	3	8	14	18	32	0	0	0	0	0	0
Pacific-OR	15	18	33	3	5	8	2	7	9	14	39	53	1	2	3	0	1	1
Duquesne	39	84	123	0	1	1	0	0	0	0	2	2	0	0	0	0	0	0
LECOM	67	85	152	21	25	46	7	19	26	15	42	57	0	0	0	0	0	0
Philadelphia	21	38	59	2	0	2	1	2	3	22	41	63	0	0	0	0	0	0
Temple	24	22	46	3	2	5	3	3	6	14	14	28	0	0	0	0	0	0
Thomas Jefferson	15	29	44	0	3	3	1	0	1	9	23	32	0	0	0	0	0	0
Pittsburgh	32	56	88	2	1	3	1	1	2	5	12	17	0	0	0	1	1	2
Wilkes	14	41	55	0	0	0	0	1	1	1	2	3	0	1	1	0	0	0
Puerto Rico	0	0	0	0	0	0	14	27	41	0	0	0	0	0	0	0	0	0
Rhode Island	25	47	72	0	2	2	2	4	6	7	5	12	0	0	0	0	0	0
Medical Univ. of SC	18	30	48	0	2	2	0	0	0	4	11	15	0	0	0	0	0	0
Presbyterian	16	43	59	2	3	5	0	1	1	2	5	7	0	0	0	0	1	1
South Carolina	18	64	82	0	4	4	0	0	0	2	8	10	0	0	0	1	0	1
South Dakota State	23	52	75	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Belmont	23	21	44	1	6	7	0	0	0	5	5	10	0	0	0	0	0	0
East Tennessee State	27	32	59	4	4	8	0	0	0	3	1	4	0	0	0	0	0	0
Lipscomb	14	28	42	2	4	6	2	1	3	2	5	7	0	0	0	0	2	2
South-TN	21	30	51	5	8	13	0	1	1	4	6	10	0	0	0	0	0	0
Union	10	17	27	1	2	3	1	0	1	2	3	5	0	0	0	1	0	1
Tennessee	58	75	133	7	14	21	2	2	4	6	17	23	0	0	0	0	0	0
Texas A&M	15	10	25	1	5	6	19	16	35	13	25	38	0	0	0	0	0	0
Texas Southern	3	5	8	20	24	44	2	6	8	11	29	40	0	0	0	0	0	0
Texas Tech	18	24	42	6	4	10	9	6	15	31	34	65	0	0	0	0	0	0
Houston	11	21	32	7	4	11	3	6	9	29	46	75	0	1	1	0	0	0
Incarnate Word	5	19	24	0	3	3	14	19	33	7	12	19	0	0	0	0	0	0
North Texas	16	18	34	4	11	15	2	0	2	24	23	47	0	0	0	0	0	0
Texas at Austin	8	35	43	2	3	5	12	11	23	15	33	48	0	0	0	0	0	0
Texas at El Paso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Tyler	12	12	24	5	6	11	7	6	13	8	6	14	0	0	0	0	0	0
Utah	16	16	32	0	0	0	3	1	4	7	11	18	0	0	0	0	0	0
Hampton	3	9	12	8	33	41	0	1	1	0	2	2	0	0	0	0	2	2
Shenandoah	1	0	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0
Appalachian	19	18	37	7	8	15	0	0	0	4	5	9	0	0	0	0	0	0
Virginia Commonwealth	15	40	55	3	11	14	0	0	0	11	39	50	0	0	0	0	0	0
Washington	11	16	27	0	1	1	1	0	1	18	27	45	0	0	0	0	0	0

(continued on the following page)

Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>9</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>i</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/ Other Gender	Total
Cedarville	1	1	2	0	0	0	1	0	1	0	19	15	0	34
Northeast Ohio	1	0	1	1	1	2	0	0	0	0	35	32	0	67
Ohio Northern	1	3	4	0	0	0	4	6	10	0	40	98	0	138
Ohio State	0	3	3	14	21	35	1	1	2	1	64	71	1	136
Cincinnati	0	0	0	0	0	0	1	2	3	0	44	52	0	96
Findlay	2	1	3	2	0	2	0	1	1	0	26	35	0	61
Toledo	0	0	0	0	0	0	3	3	6	0	48	51	0	99
Southwestern Oklahoma	6	6	12	3	0	3	0	0	0	0	36	38	0	74
Oklahoma	10	3	13	3	0	3	0	1	1	0	37	44	0	81
Oregon State	2	1	3	0	0	0	1	0	1	0	50	47	0	97
Pacific-OR	0	0	0	0	0	0	1	0	1	0	36	72	0	108
Duquesne	3	5	8	0	1	1	0	2	2	0	42	95	0	137
LECOM	2	3	5	0	0	0	0	0	0	0	112	174	0	286
Philadelphia	0	0	0	7	13	20	1	0	1	0	54	94	0	148
Temple	16	18	34	0	2	2	3	1	4	0	63	62	0	125
Thomas Jefferson	0	0	0	0	0	0	0	2	2	0	25	57	0	82
Pittsburgh	0	0	0	1	0	1	0	1	1	0	42	72	0	114
Wilkes	0	0	0	5	6	11	0	0	0	0	20	51	0	71
Puerto Rico	0	0	0	0	0	0	0	0	0	0	14	27	0	41
Rhode Island	2	1	3	3	4	7	1	2	3	0	40	65	0	105
Medical Univ. of SC	3	0	3	0	1	1	1	0	1	0	26	44	0	70
Presbyterian	0	2	2	0	1	1	0	0	0	0	20	56	0	76
South Carolina	2	4	6	1	1	2	0	1	1	0	24	82	0	106
South Dakota State	0	0	0	0	0	0	0	1	1	0	23	54	0	77
Belmont	0	1	1	1	2	3	0	1	1	0	30	36	0	66
East Tennessee State	0	2	2	0	0	0	2	1	3	0	36	40	0	76
Lipscomb	0	0	0	0	0	0	0	0	0	0	20	40	0	60
South-TN	1	0	1	0	0	0	0	1	1	0	31	46	0	77
Union	0	1	1	0	1	1	0	0	0	0	15	24	0	39
Tennessee	0	2	2	2	2	4	0	0	0	0	75	112	0	187
Texas A&M	1	2	3	0	0	0	2	1	3	0	51	59	0	110
Texas Southern	0	1	1	0	1	1	1	1	2	0	37	67	0	104
Texas Tech	2	5	7	1	4	5	0	2	2	0	67	79	0	146
Houston	0	0	0	2	0	2	0	0	0	0	52	78	0	130
Incarnate Word	3	4	7	1	1	2	0	3	3	0	30	61	0	91
North Texas	6	6	12	0	0	0	0	0	0	0	52	58	0	110
Texas at Austin	3	2	5	0	0	0	1	1	2	0	41	85	0	126
Texas at El Paso	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Tyler	0	0	0	0	0	0	0	2	2	0	32	32	0	64
Utah	2	2	4	3	2	5	0	0	0	0	31	32	0	63
Hampton	0	0	0	0	1	1	1	2	3	0	12	50	0	62
Shenandoah	0	1	1	18	41	59	0	2	2	0	19	46	0	65
Appalachian	0	0	0	0	0	0	2	1	3	0	32	32	0	64
Virginia Commonwealth	0	3	3	2	3	5	0	0	0	0	31	96	0	127
Washington	3	4	7	1	2	3	1	0	1	0	35	50	0	85

(continued on the following page)

Table 24 (Continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Washington State	30	40	70	1	1	2	7	0	7	18	36	54	0	0	0	0	0	0
Marshall	37	28	65	1	3	4	0	0	0	3	1	4	0	0	0	0	1	1
Charleston	11	19	30	5	8	13	1	2	3	5	0	5	0	0	0	0	0	0
West Virginia	33	34	67	0	2	2	0	0	0	1	0	1	0	0	0	0	0	0
Concordia	26	40	66	0	1	1	0	3	3	8	4	12	0	0	0	0	0	0
Medical College of WI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin-Madison	48	55	103	0	3	3	1	3	4	8	10	18	0	0	0	0	1	1
Wyoming	12	20	32	0	1	1	0	0	0	1	1	2	0	0	0	0	1	1
Lebanese American	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,810</b>	<b>4,560</b>	<b>7,370</b>	<b>444</b>	<b>807</b>	<b>1,251</b>	<b>343</b>	<b>504</b>	<b>847</b>	<b>1,390</b>	<b>2,406</b>	<b>3,796</b>	<b>17</b>	<b>33</b>	<b>50</b>	<b>14</b>	<b>28</b>	<b>42</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 24 (continued)

## Number of Doctor of Pharmacy Degrees Conferred as First Professional Degrees (Pharm.D.1) 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Washington State	4	8	12	1	2	3	1	0	1	0	62	87	0	149
Marshall	2	1	3	0	0	0	1	1	2	0	44	35	0	79
Charleston	0	1	1	0	0	0	2	0	2	0	24	30	0	54
West Virginia	1	1	2	0	0	0	0	0	0	0	35	37	0	72
Concordia	1	2	3	2	1	3	0	1	1	0	37	52	0	89
Medical College of WI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin-Madison	2	2	4	6	4	10	1	5	6	0	66	83	0	149
Wyoming	2	2	4	1	1	2	1	0	1	0	17	26	0	43
Lebanese American	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>175</b>	<b>269</b>	<b>444</b>	<b>198</b>	<b>320</b>	<b>518</b>	<b>135</b>	<b>253</b>	<b>388</b>	<b>94</b>	<b>5,526</b>	<b>9,180</b>	<b>94</b>	<b>14,800</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 25

## Number of Postbaccalaureate Doctor of Pharmacy Degrees (Pharm.D.2) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Western	0	0	0	4	1	5	0	0	0	3	10	13	0	0	0	0	0	0
Colorado	3	3	6	5	2	7	0	1	1	0	2	2	0	0	0	0	0	0
Florida	15	38	53	8	22	30	3	5	8	7	20	27	0	0	0	0	0	0
Idaho State	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	3	4	7	1	0	1	0	0	0	3	4	7	0	0	0	0	0	0
Shenandoah	11	9	20	3	10	13	0	0	0	1	8	9	0	0	0	0	0	0
Lebanese American	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>33</b>	<b>60</b>	<b>93</b>	<b>21</b>	<b>35</b>	<b>56</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>14</b>	<b>44</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 25 (continued)

## Number of Postbaccalaureate Doctor of Pharmacy Degrees (Pharm.D.2) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/ Other Gender	Total
Western	0	0	0	1	0	1	2	2	4	0	10	13	0	23
Colorado	0	0	0	0	4	4	0	0	0	0	8	12	0	20
Florida	0	0	0	9	18	27	0	0	0	0	42	103	0	145
Idaho State	0	1	1	0	0	0	1	4	5	0	2	6	0	8
MCPHS-Boston	1	2	3	3	6	9	5	0	5	0	16	16	0	32
Shenandoah	0	0	0	3	4	7	0	0	0	0	18	31	0	49
Lebanese American	0	0	0	0	0	0	4	26	30	0	4	31	0	35
<b>Total</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>16</b>	<b>32</b>	<b>48</b>	<b>12</b>	<b>32</b>	<b>44</b>	<b>0</b>	<b>100</b>	<b>212</b>	<b>0</b>	<b>312</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 26  
 Number of Master of Science (M.S.) Degrees Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck (KGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California-San Diego	0	0	0	0	1	1	0	0	0	4	1	5	0	0	0	0	0	0
Pacific-CA	1	0	1	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
Southern California	1	0	1	0	0	0	1	0	1	3	4	7	0	0	0	0	0	0
West Coast	5	6	11	2	1	3	1	2	3	4	7	11	0	0	0	0	0	0
Regis	1	1	2	0	1	1	1	1	2	1	1	2	0	0	0	0	0	0
Larkin	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Palm Beach Atlantic	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
South Florida	34	83	117	4	14	18	4	15	19	10	9	19	0	0	0	0	1	1
Mercer	1	0	1	1	1	2	1	0	1	1	0	1	0	0	0	0	0	0
Hawaii-Hilo	3	3	6	0	0	0	1	0	1	1	4	5	0	0	0	1	0	1
Idaho State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois at Chicago	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Butler	1	3	4	0	0	0	2	2	4	0	1	1	0	0	0	0	0	0
Manchester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purdue	4	2	6	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
Drake	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sullivan	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana at Monroe	2	4	6	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Maryland Eastern Shore	11	27	38	0	3	3	1	1	2	7	12	19	0	0	0	0	0	0
MCPHS-Worcester	5	9	14	1	2	3	1	0	1	1	3	4	0	0	0	0	0	0
Western New England	4	4	8	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Minnesota	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
William Carey	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Creighton	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico	4	5	9	0	1	1	1	0	1	1	0	1	0	0	0	0	0	0
Binghamton	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1
St. John Fisher	4	1	5	1	1	2	0	1	1	2	3	5	0	0	0	0	0	0
Touro-NY	4	2	6	0	2	2	0	0	0	4	3	7	0	0	0	0	0	0
Albany	2	5	7	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Campbell	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
High Point	1	11	12	3	2	5	0	0	0	1	1	2	1	0	1	0	0	0
Wingate	4	2	6	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0
Cincinnati	5	5	10	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Findlay	8	13	21	2	9	11	2	2	4	0	3	3	0	0	0	0	0	0
Southwestern Oklahoma	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LECOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(continued on the following page)

Table 26 (continued)

## Number of Master of Science (M.S.) Degrees Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/ Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Arizona	0	0	0	0	0	0	1	1	2	0	1	1	0	2
Keck (KGI)	0	0	0	0	0	0	3	3	6	0	3	3	0	6
California-San Diego	0	0	0	0	2	2	0	0	0	0	4	4	0	8
Pacific-CA	1	0	1	0	0	0	0	0	0	0	4	0	0	4
Southern California	0	0	0	0	0	0	0	0	0	0	5	4	0	9
West Coast	0	3	3	0	0	0	15	40	55	0	27	59	0	86
Regis	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Larkin	0	0	0	0	0	0	0	1	1	0	2	1	0	3
Palm Beach Atlantic	0	0	0	0	0	0	2	1	3	0	2	3	0	5
South Florida	0	0	0	4	2	6	3	9	12	0	59	133	0	192
Mercer	0	0	0	0	0	0	5	3	8	0	9	4	0	13
Hawaii-Hilo	0	0	0	0	0	0	0	3	3	0	6	10	0	16
Idaho State	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Illinois at Chicago	0	0	0	0	0	0	2	2	4	0	2	3	0	5
Butler	0	0	0	0	0	0	0	2	2	0	3	8	0	11
Manchester	0	0	0	0	0	0	0	2	2	0	0	2	0	2
Purdue	0	0	0	0	0	0	0	0	0	0	4	4	0	8
Drake	0	0	0	0	0	0	1	2	3	0	2	2	0	4
Kansas	0	0	0	0	0	0	0	3	3	0	1	4	0	5
Sullivan	0	0	0	0	0	0	1	4	5	0	3	6	0	9
Louisiana at Monroe	0	0	0	0	0	0	0	0	0	0	2	5	0	7
Maryland Eastern Shore	1	1	2	0	2	2	2	1	3	1	22	47	1	70
MCPHS-Worcester	0	2	2	8	9	17	10	22	32	0	26	47	0	73
Western New England	0	1	1	0	1	1	21	27	48	0	26	35	0	61
Minnesota	0	0	0	0	0	0	0	2	2	0	1	2	0	3
Mississippi	0	0	0	0	0	0	4	3	7	0	5	6	0	11
William Carey	0	0	0	0	0	0	9	17	26	0	10	18	0	28
Creighton	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Nebraska	0	0	0	0	0	0	1	3	4	0	1	3	0	4
New Mexico	0	0	0	0	0	0	2	3	5	0	8	9	0	17
Binghamton	0	0	0	0	0	0	1	0	1	0	2	2	0	4
St. John Fisher	0	0	0	0	1	1	19	24	43	0	26	31	0	57
Touro-NY	0	3	3	0	0	0	2	11	13	0	10	21	0	31
Albany	0	0	0	0	0	0	1	1	2	0	4	8	0	12
Campbell	0	0	0	0	0	0	0	3	3	0	1	4	0	5
High Point	0	0	0	1	1	2	4	6	10	0	11	21	0	32
Wingate	0	1	1	0	0	0	0	0	0	0	5	4	0	9
Cincinnati	0	0	0	0	0	0	0	1	1	1	6	6	1	13
Findlay	0	0	0	4	8	12	2	7	9	0	18	42	0	60
Southwestern Oklahoma	0	0	0	0	0	0	7	4	11	0	7	5	0	12
Oregon State	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Duquesne	0	0	0	0	0	0	0	0	0	0	0	1	0	1
LECOM	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Temple	0	0	0	0	0	0	3	5	8	0	3	5	0	8

(continued on the following page)

Table 26 (continued)

## Number of Master of Science (M.S.) Degrees Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Thomas Jefferson	13	35	48	2	3	5	0	0	0	1	17	18	0	0	0	0	0	0
Wilkes	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
Medical Univ. of SC	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M	7	4	11	1	1	2	3	1	4	2	1	3	0	0	0	0	0	0
Houston	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Incarnate Word	0	2	2	1	0	1	1	2	3	0	1	1	0	0	0	0	0	0
Texas at El Paso	0	2	2	0	0	0	0	0	0	2	2	4	0	0	0	0	0	0
Hampton	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	2	1	3	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0
Washington State	0	1	1	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0
Medical College of WI	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	2	2	4	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Lebanese American	10	17	27	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>153</b>	<b>269</b>	<b>422</b>	<b>21</b>	<b>45</b>	<b>66</b>	<b>25</b>	<b>31</b>	<b>56</b>	<b>51</b>	<b>85</b>	<b>136</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 26 (continued)

## Number of Master of Science (M.S.) Degrees Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Thomas Jefferson	1	2	3	1	3	4	3	3	6	1	21	63	1	85
Wilkes	0	0	0	0	0	0	4	13	17	0	5	14	0	19
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Medical Univ. of SC	0	0	0	0	0	0	0	2	2	0	2	2	0	4
Texas A&M	0	0	0	0	0	0	1	0	1	0	14	7	0	21
Houston	0	0	0	0	0	0	0	2	2	0	1	3	0	4
Incarnate Word	0	0	0	0	0	0	0	0	0	0	2	5	0	7
Texas at El Paso	0	0	0	0	0	0	0	1	1	0	2	5	0	7
Hampton	0	0	0	2	0	2	0	0	0	0	2	1	0	3
Washington	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Washington State	0	0	0	0	0	0	1	3	4	0	2	7	0	9
Medical College of WI	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Wyoming	0	0	0	0	0	0	0	2	2	0	2	5	0	7
Lebanese American	0	0	0	0	0	0	0	0	0	0	11	18	0	29
<b>Total</b>	<b>3</b>	<b>13</b>	<b>16</b>	<b>20</b>	<b>29</b>	<b>49</b>	<b>130</b>	<b>245</b>	<b>375</b>	<b>3</b>	<b>405</b>	<b>720</b>	<b>3</b>	<b>1,128</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 27  
 Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	3	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Arizona	2	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Arkansas	2	1	3	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Keck (KGI)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-CA	9	2	11	0	0	0	2	0	2	0	2	2	0	0	0	0	0	0
Southern California	2	1	3	1	0	1	0	0	0	2	4	6	0	0	0	1	3	4
West Coast	3	5	8	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Saint Joseph	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Howard	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Florida A&M	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Larkin	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
Palm Beach Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Florida	2	0	2	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0
PCOM-GA	1	1	2	0	2	2	0	0	0	0	2	2	0	0	0	0	0	0
Hawaii-Hilo	1	1	2	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0
Butler	2	4	6	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0
Drake	3	2	5	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
Kansas	3	1	4	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
Sullivan	4	3	7	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Louisiana at Monroe	3	1	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Xavier	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Maryland Eastern Shore	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Worcester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western New England	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State	11	6	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	3	5	8	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
William Carey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Creighton	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roseman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico	2	1	3	0	0	0	1	1	2	1	0	1	0	0	0	0	0	0
Binghamton	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
St. John Fisher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro-NY	0	1	1	0	1	1	0	0	0	2	0	2	0	0	0	0	0	0
Albany	6	2	8	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Wingate	2	3	5	0	1	1	0	1	1	0	4	4	0	0	0	0	0	0
Cedarville	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Findlay	2	2	4	0	1	1	0	0	0	2	2	4	0	0	0	0	0	0
Southwestern Oklahoma	3	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-OR	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
LECOM	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0

(continued on the following page)



Table 27 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>a</sup>			Unknown <sup>b</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	8	0	8	0	8	4	0	12
Arizona	0	0	0	0	0	0	2	5	7	0	4	6	0	10
Arkansas	0	0	0	0	0	0	0	0	0	0	3	3	0	6
Keck (KGI)	0	0	0	0	0	0	1	0	1	0	2	0	0	2
Pacific-CA	0	2	2	1	1	2	2	0	2	0	14	7	0	21
Southern California	0	1	1	0	0	0	0	0	0	0	6	9	0	15
West Coast	0	0	0	0	0	0	2	8	10	0	6	13	0	19
Saint Joseph	0	0	0	0	0	0	3	1	4	0	5	2	0	7
Howard	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Florida A&M	0	0	0	0	0	0	0	1	1	0	1	2	0	3
Larkin	0	0	0	0	0	0	1	1	2	0	1	3	0	4
Palm Beach Atlantic	0	0	0	0	0	0	4	2	6	0	4	2	0	6
South Florida	0	0	0	0	0	0	7	5	12	0	10	7	0	17
PCOM-GA	0	0	0	0	0	0	2	2	4	0	3	7	0	10
Hawaii-Hilo	0	1	1	0	0	0	4	2	6	0	6	5	0	11
Butler	0	0	0	0	0	0	2	4	6	0	5	9	0	14
Drake	0	0	0	0	0	0	4	8	12	0	8	11	0	19
Kansas	0	0	0	0	0	0	4	4	8	0	7	7	0	14
Sullivan	0	0	0	0	0	0	6	0	6	0	11	3	0	14
Louisiana at Monroe	0	0	0	0	1	1	3	4	7	0	6	7	0	13
Xavier	0	0	0	0	0	0	7	0	7	0	8	0	0	8
Maryland Eastern Shore	0	0	0	0	0	0	4	2	6	0	6	2	0	8
MCPHS-Worcester	0	0	0	0	2	2	14	6	20	0	14	8	0	22
Western New England	0	0	0	0	0	0	3	5	8	0	3	7	0	10
Wayne State	0	0	0	1	0	1	3	2	5	0	15	8	0	23
Minnesota	0	0	0	0	0	0	0	2	2	0	0	3	0	3
Mississippi	0	0	0	1	0	1	3	3	6	0	7	10	0	17
William Carey	0	0	0	0	0	0	9	4	13	0	9	4	0	13
Montana	0	0	0	1	1	2	7	1	8	0	8	3	0	11
Creighton	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Roseman	0	0	0	0	0	0	0	0	0	13	0	0	13	13
New Mexico	0	0	0	0	0	0	2	3	5	1	6	5	1	12
Binghamton	0	0	0	0	0	0	2	0	2	0	3	0	0	3
St. John Fisher	0	0	0	0	0	0	2	1	3	0	2	1	0	3
Touro-NY	0	0	0	0	1	1	4	3	7	0	6	6	0	12
Albany	0	0	0	1	0	1	1	0	1	0	9	2	0	11
Wingate	0	0	0	0	1	1	0	2	2	0	2	12	0	14
Cedarville	0	0	0	0	0	0	3	3	6	0	3	4	0	7
Cincinnati	0	0	0	1	0	1	4	2	6	0	7	2	0	9
Findlay	0	0	0	2	0	2	0	0	0	0	6	5	0	11
Southwestern Oklahoma	0	0	0	0	0	0	2	4	6	0	5	5	0	10
Oregon State	0	0	0	0	0	0	1	1	2	0	1	4	0	5
Pacific-OR	0	0	0	0	0	0	1	1	2	0	3	1	0	4
LECOM	0	0	0	0	0	0	1	1	2	0	2	1	0	3
Temple	0	0	0	0	1	1	1	0	1	0	1	2	0	3

(continued on the following page)

Table 27 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Thomas Jefferson	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilkes	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical Univ. of SC	3	2	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
South Dakota State	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belmont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M	1	1	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Houston	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incarnate Word	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Texas at El Paso	4	3	7	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
Hampton	2	0	2	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0
Washington	1	5	6	0	0	0	0	0	0	7	10	17	0	0	0	0	0	0
Washington State	0	2	2	0	0	0	0	1	1	3	0	3	0	0	0	0	0	0
Marshall	0	2	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Concordia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>93</b>	<b>74</b>	<b>167</b>	<b>5</b>	<b>12</b>	<b>17</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>27</b>	<b>38</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>5</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 27 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Thomas Jefferson	0	0	0	0	0	0	4	1	5	0	5	1	0	6
Wilkes	0	0	0	0	0	0	5	7	12	0	8	9	0	17
Medical Univ. of SC	0	0	0	0	0	0	5	0	5	0	9	2	0	11
South Dakota State	0	0	0	0	0	0	2	1	3	0	2	2	0	4
Belmont	0	0	0	0	0	0	8	0	8	0	8	0	0	8
Texas A&M	0	0	0	0	0	0	2	4	6	0	4	5	0	9
Houston	0	0	0	0	0	0	1	3	4	0	1	4	0	5
Incarnate Word	0	0	0	0	0	0	4	3	7	0	4	4	0	8
Texas at El Paso	0	0	0	0	0	0	2	4	6	0	8	7	0	15
Hampton	0	0	0	0	0	0	6	1	7	0	9	2	0	11
Washington	1	0	1	0	0	0	0	0	0	0	9	15	0	24
Washington State	0	0	0	0	0	0	1	0	1	0	4	3	0	7
Marshall	0	0	0	0	0	0	0	1	1	0	0	4	0	4
Concordia	0	0	0	0	0	0	0	3	3	0	0	3	0	3
Wyoming	0	0	0	0	0	0	3	4	7	0	5	5	0	10
<b>Total</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>172</b>	<b>125</b>	<b>297</b>	<b>14</b>	<b>315</b>	<b>271</b>	<b>14</b>	<b>600</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 28

## Summary of Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) Degrees Conferred 2018–19 by Gender and Discipline

Discipline	M.S.					Ph.D.				
	Male	Female	Unknown/Other Gender	Total	Percent of M.S. Degrees Conferred	Male	Female	Unknown/Other Gender	Total	Percent of Ph.D. Degrees Conferred
Medicinal Chemistry	58	127	0	185	16.4%	61	55	0	116	19.3%
Pharmacology	36	57	1	93	8.2%	52	50	1	103	17.2%
Social and Administrative Sciences	150	274	3	427	37.9%	31	28	0	59	9.8%
Pharmacy Practice	31	59	0	90	8.0%	32	33	0	65	10.8%
Pharmaceutics	119	193	0	312	27.7%	123	100	13	236	39.3%
Other <sup>a</sup>	11	10	0	21	1.9%	16	5	0	21	3.5%
<b>Total</b>	<b>405</b>	<b>720</b>	<b>0</b>	<b>1,128</b>		<b>315</b>	<b>271</b>	<b>14</b>	<b>600</b>	

a: Includes biological &amp; medical informatics, chemistry, pharmacogenomics, biomolecular sciences, public health, and pharmacotherapy in M.S. programs and biological &amp; medical informatics, chemistry, biomolecular sciences, and pharmacotherapy in Ph.D. programs.

Table 29

## Number of Master of Science Degrees (M.S.) in Medicinal Chemistry Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-CA	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Florida A&M	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida	26	64	90	1	9	10	2	14	16	4	6	10	0	0	0	0	1	1
Southern Illinois Edwardsville	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois at Chicago	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Purdue	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Creighton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toledo	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
Texas at Austin	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0
<b>Total</b>	<b>33</b>	<b>70</b>	<b>103</b>	<b>2</b>	<b>9</b>	<b>11</b>	<b>3</b>	<b>16</b>	<b>19</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 29 (continued)

## Number of Master of Science Degrees (M.S.) in Medicinal Chemistry Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Arizona	0	0	0	0	0	0	1	1	2	0	1	1	0	2
Pacific-CA	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Florida A&M	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Florida	0	0	0	3	1	4	1	3	4	0	37	98	0	135
Southern Illinois Edwardsville	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Illinois at Chicago	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Purdue	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Iowa	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Kansas	0	0	0	0	0	0	0	0	0	0	1	0	0	1
MCPHS-Boston	0	0	0	0	1	1	0	1	1	0	0	2	0	2
Northeastern	0	1	1	0	1	1	2	5	7	0	4	7	0	11
Wayne State	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Minnesota	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Creighton	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Rutgers	0	0	0	0	0	0	1	1	2	0	1	1	0	2
Ohio State	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Toledo	0	0	0	0	0	0	2	2	4	0	2	3	0	5
Pittsburgh	0	0	0	0	0	0	2	3	5	0	2	3	0	5
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas at Austin	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	2	1	0	3
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>58</b>	<b>127</b>	<b>0</b>	<b>185</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 30

## Number of Master of Science Degrees (M.S.) in Pharmacology Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Southern California	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida A&M	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii-Hilo	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois Edwardsville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois at Chicago	1	1	2	0	0	0	1	2	3	0	1	1	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Northeastern	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Creighton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
New Mexico	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
A&M Schwartz	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
St. John's	1	1	2	0	1	1	0	0	0	1	3	4	0	0	0	0	0	0
Ohio State	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Toledo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	7	4	11	1	1	2	3	1	4	2	1	3	0	0	0	0	0	0
<b>Total</b>	<b>13</b>	<b>9</b>	<b>22</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>7</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 30 (continued)

## Number of Master of Science Degrees (M.S.) in Pharmacology Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southern California	0	0	0	0	0	0	0	2	2	0	0	3	0	3
Florida A&M	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Nova Southeastern	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Hawaii-Hilo	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southern Illinois Edwardsville	0	0	0	0	0	0	1	2	3	0	1	2	0	3
Illinois at Chicago	0	0	0	0	0	0	0	1	1	0	2	5	0	7
Kansas	0	0	0	0	0	0	1	3	4	0	1	3	0	4
MCPHS-Boston	0	0	0	0	0	0	0	1	1	0	1	2	0	3
Northeastern	0	0	0	0	0	0	3	4	7	0	4	4	0	8
Wayne State	0	0	0	0	0	0	0	2	2	0	0	2	0	2
Montana	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Creighton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	0	0	0	0	0	0	0	0	0	0	1	2	0	3
New Mexico	0	0	0	0	0	0	0	0	0	0	0	2	0	2
A&M Schwartz	0	0	0	0	1	1	4	5	9	0	4	7	0	11
St. John's	0	3	3	0	0	0	0	2	2	0	2	10	0	12
Ohio State	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Toledo	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Oklahoma	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Philadelphia	0	0	0	0	0	0	0	3	3	0	0	3	0	3
Pittsburgh	0	0	0	0	0	0	0	3	3	0	0	3	0	3
Tennessee	0	0	0	0	0	0	0	0	0	0	13	7	0	20
<b>Total</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>29</b>	<b>40</b>	<b>0</b>	<b>36</b>	<b>57</b>	<b>0</b>	<b>93</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 31

## Number of Master of Science Degrees (M.S.) in Social and Administrative Sciences Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Southern California	5	5	10	2	0	2	1	2	3	4	7	11	0	0	0	0	0	0
Nova Southeastern	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Florida	8	17	25	2	4	6	2	0	2	6	3	9	0	0	0	0	0	0
Illinois at Chicago	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	9	26	35	0	3	3	1	1	2	3	9	12	0	0	0	0	0	0
MCPHS-Boston	0	3	3	0	1	1	0	0	0	0	2	2	0	0	0	0	0	0
Minnesota	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	4	3	7	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A&M Schwartz	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
St. John's	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Ohio State	5	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toledo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	13	34	47	2	3	5	0	0	0	1	16	17	0	0	0	0	0	0
Rhode Island	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston	0	2	2	1	0	1	1	2	3	0	1	1	0	0	0	0	0	0
Texas at Austin	0	0	0	0	0	0	0	0	0	2	2	4	0	0	0	0	0	0
Washington	0	1	1	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0
Wisconsin-Madison	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	10	17	27	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1
<b>Total</b>	<b>62</b>	<b>122</b>	<b>184</b>	<b>8</b>	<b>11</b>	<b>19</b>	<b>5</b>	<b>6</b>	<b>11</b>	<b>20</b>	<b>43</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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



Table 31 (continued)

## Number of Master of Science Degrees (M.S.) in Social and Administrative Sciences Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Southern California	0	3	3	0	0	0	15	25	40	0	27	42	0	69
Nova Southeastern	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Florida	0	0	0	1	1	2	1	3	4	0	20	28	0	48
Illinois at Chicago	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Iowa	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Kentucky	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Maryland	0	1	1	0	2	2	1	1	2	1	14	43	1	58
MCPHS-Boston	0	0	0	7	7	14	7	13	20	0	14	26	0	40
Minnesota	0	0	0	0	0	0	0	1	1	0	1	2	0	3
Mississippi	0	0	0	0	0	0	0	2	2	0	1	2	0	3
Rutgers	0	0	0	0	0	0	1	2	3	0	6	5	0	11
New Mexico	0	0	0	0	0	0	1	0	1	0	1	0	0	1
A&M Schwartz	0	0	0	0	0	0	7	6	13	0	10	6	0	16
St. John's	0	0	0	0	0	0	0	6	6	0	2	6	0	8
Ohio State	0	0	0	0	0	0	0	0	0	1	5	3	1	9
Cincinnati	0	0	0	2	1	3	1	1	2	0	5	7	0	12
Toledo	0	0	0	0	0	0	2	1	3	0	2	1	0	3
Duquesne	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Philadelphia	0	0	0	0	0	0	3	1	4	0	3	1	0	4
Temple	1	2	3	1	3	4	3	2	5	1	21	60	1	82
Rhode Island	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Houston	0	0	0	0	0	0	0	0	0	0	2	5	0	7
Texas at Austin	0	0	0	0	0	0	0	1	1	0	2	3	0	5
Washington	0	0	0	0	0	0	1	2	3	0	2	6	0	8
Wisconsin-Madison	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Wyoming	0	0	0	0	0	0	0	0	0	0	11	18	0	29
<b>Total</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>11</b>	<b>14</b>	<b>25</b>	<b>43</b>	<b>71</b>	<b>114</b>	<b>3</b>	<b>150</b>	<b>274</b>	<b>3</b>	<b>427</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 32

## Number of Master of Science Degrees (M.S.) in Pharmacy Practice Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
Florida	0	2	2	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0
Georgia	3	3	6	0	0	0	1	0	1	1	4	5	0	0	0	1	0	1
Purdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	2	2	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
MCPHS-Boston	3	6	9	1	1	2	0	0	0	1	0	1	0	0	0	0	0	0
Campbell	0	9	9	2	1	3	0	0	0	1	1	2	0	0	0	0	0	0
North Carolina	4	2	6	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0
Pittsburgh	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	1	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Wisconsin-Madison	2	1	3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16</b>	<b>29</b>	<b>45</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>9</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 32 (continued)

## Number of Master of Science Degrees (M.S.) in Pharmacy Practice Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Florida	0	0	0	0	0	0	1	3	4	0	2	7	0	9
Georgia	0	0	0	0	0	0	0	3	3	0	6	10	0	16
Purdue	0	0	0	0	0	0	1	2	3	0	1	2	0	3
Kansas	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Kentucky	0	0	0	0	0	0	0	0	0	0	2	3	0	5
MCPHS-Boston	0	2	2	1	1	2	0	2	2	0	6	12	0	18
Campbell	0	0	0	0	1	1	0	0	0	0	3	12	0	15
North Carolina	0	1	1	0	0	0	0	0	0	0	5	4	0	9
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Utah	0	0	0	2	0	2	0	0	0	0	2	1	0	3
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Wisconsin-Madison	0	0	0	0	0	0	0	0	0	0	2	2	0	4
<b>Total</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>31</b>	<b>59</b>	<b>0</b>	<b>90</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 33

## Number of Master of Science Degrees (M.S.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Chapman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro-CA	0	0	0	0	1	1	0	0	0	4	1	5	0	0	0	0	0	0
California-San Francisco	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
Pacific-CA	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
Southern California	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western	1	1	2	0	1	1	1	1	2	1	1	2	0	0	0	0	0	0
Nova Southeastern	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
South Florida	1	0	1	1	1	2	1	0	1	1	0	1	0	0	0	0	0	0
Southern Illinois Edwardsville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	2	1	3	0	0	0	0	0	0	4	3	7	0	0	0	0	0	0
MCPHS-Boston	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Northeastern	1	4	5	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Creighton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
A&M Schwartz	2	1	3	1	1	2	0	1	1	1	2	3	0	0	0	0	0	0
St. John's	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
New York at Buffalo	2	5	7	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Albany	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Campbell	1	2	3	1	1	2	0	0	0	0	0	0	1	0	1	0	0	0
Ohio State	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati	6	8	14	2	9	11	2	2	4	0	3	3	0	0	0	0	0	0
Toledo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-OR	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Pittsburgh	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Tech	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concordia	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin-Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>21</b>	<b>35</b>	<b>56</b>	<b>5</b>	<b>15</b>	<b>20</b>	<b>9</b>	<b>4</b>	<b>13</b>	<b>15</b>	<b>18</b>	<b>33</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

(continued on the following page)

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

(notes continue on following page)

Table 33 (continued)

## Number of Master of Science Degrees (M.S.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Chapman	0	0	0	0	0	0	3	3	6	0	3	3	0	6
Touro-CA	0	0	0	0	2	2	0	0	0	0	4	4	0	8
California-San Francisco	1	0	1	0	0	0	0	0	0	0	3	0	0	3
Pacific-CA	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Southern California	0	0	0	0	0	0	0	13	13	0	0	14	0	14
Western	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Nova Southeastern	0	0	0	0	0	0	1	0	1	0	1	1	0	2
South Florida	0	0	0	0	0	0	5	3	8	0	9	4	0	13
Southern Illinois Edwardsville	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Butler	0	0	0	0	0	0	0	2	2	0	0	2	0	2
Iowa	0	0	0	0	0	0	0	2	2	0	0	2	0	2
Kansas	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Maryland	1	0	1	0	0	0	1	0	1	0	8	4	0	12
MCPHS-Boston	0	0	0	0	0	0	3	5	8	0	5	5	0	10
Northeastern	0	0	0	0	0	0	16	18	34	0	18	24	0	42
Minnesota	0	0	0	0	0	0	4	2	6	0	4	2	0	6
Mississippi	0	0	0	0	0	0	8	12	20	0	8	13	0	21
Montana	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Creighton	0	0	0	0	0	0	0	3	3	0	0	3	0	3
Rutgers	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New Mexico	0	0	0	0	0	0	0	0	0	0	1	0	0	1
A&M Schwartz	0	0	0	0	0	0	8	13	21	0	12	18	0	30
St. John's	0	0	0	0	0	0	2	3	5	0	3	3	0	6
New York at Buffalo	0	0	0	0	0	0	1	1	2	0	4	8	0	12
Albany	0	0	0	0	0	0	0	3	3	0	1	4	0	5
Campbell	0	0	0	1	0	1	4	6	10	0	8	9	0	17
Ohio State	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Cincinnati	0	0	0	2	7	9	1	6	7	0	13	35	0	48
Toledo	0	0	0	0	0	0	2	1	3	0	2	1	0	3
Pacific-OR	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Philadelphia	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Temple	0	0	0	0	0	0	0	1	1	0	0	3	0	3
Pittsburgh	0	0	0	0	0	0	2	7	9	0	3	7	0	10
Rhode Island	0	0	0	0	0	0	0	2	2	0	1	2	0	3
Tennessee	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Texas Tech	0	0	0	0	0	0	0	2	2	0	1	3	0	4
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Washington	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Concordia	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Wisconsin-Madison	0	0	0	0	0	0	0	1	1	0	0	1	0	1
<b>Total</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>9</b>	<b>12</b>	<b>63</b>	<b>112</b>	<b>175</b>	<b>0</b>	<b>119</b>	<b>193</b>	<b>0</b>	<b>312</b>

f: 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

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 34

Number of Master of Science Degrees (M.S.) in Other Disciplines<sup>a</sup> Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>b</sup>			Black or African American <sup>c</sup>			Hispanic or Latino <sup>d</sup>			Asian <sup>e</sup>			Native Hawaiian or Other Pacific Islander <sup>f</sup>			American Indian or Alaska Native <sup>g</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
California-San Francisco	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-CA	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Manchester	4	2	6	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. John's	2	1	3	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0
Texas at Austin	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

(continued below)

a: Includes biological & medical informatics at California-SF, chemistry at Pacific-CA, pharmacogenomics at Manchester, biomolecular sciences at Mississippi, public health at St. John's, and pharmacotherapy at Texas at Austin.

b: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

c: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

d: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

e: 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

f: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

g: 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

h: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

Table 34 (continued)

Number of Master of Science Degrees (M.S.) in Other Disciplines<sup>a</sup> Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>h</sup>			Unknown <sup>i</sup>			International/ Foreign <sup>j</sup>			Unknown/Other Gender <sup>k</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
California-San Francisco	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Pacific-CA	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Manchester	0	0	0	0	0	0	0	0	0	0	4	4	0	8
Mississippi	0	0	0	0	0	0	1	3	4	0	1	3	0	4
St. John's	0	0	0	0	0	0	0	0	0	0	3	2	0	5
Texas at Austin	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>11</b>	<b>10</b>	<b>0</b>	<b>21</b>

i: U.S. citizens or permanent residents whose race and ethnicity are not known

j: Citizens of a foreign country/permanent residents of a country other than the U.S.

k: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 35

## Number of Doctor of Philosophy Degrees (Ph.D.) in Medicinal Chemistry Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California-San Francisco	2	0	2	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0
Pacific-CA	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
Florida A&M	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Mercer	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois Edwardsville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois at Chicago	0	3	3	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0
Purdue	2	2	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Iowa	3	0	3	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
Kansas	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana at Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	6	4	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri-Kansas City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. John's	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toledo	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Duquesne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	1	3	4	0	0	0	0	0	0	3	1	4	0	0	0	0	0	0
Washington State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>27</b>	<b>19</b>	<b>46</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 35 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Medicinal Chemistry Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	2	0	2	0	2	0	0	2
California-San Francisco Pacific-CA	0	1	1	0	0	0	0	0	0	0	3	2	0	5
Connecticut	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Florida A&M	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Florida	0	0	0	0	0	0	2	1	3	0	3	2	0	5
Mercer	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Southern Illinois Edwardsville	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois at Chicago	0	0	0	0	0	0	1	3	4	0	2	7	0	9
Purdue	0	0	0	0	0	0	2	4	6	0	5	6	0	11
Iowa	0	0	0	0	0	0	0	0	0	0	3	2	0	5
Kansas	0	0	0	0	0	0	1	0	1	0	2	1	0	3
Kentucky	0	0	0	0	0	0	2	2	4	0	3	2	0	5
Louisiana at Monroe	0	0	0	0	0	0	2	0	2	0	2	0	0	2
MCPHS-Boston	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Northeastern	0	0	0	0	0	0	1	1	2	0	1	1	0	2
Michigan	0	0	0	0	0	0	2	0	2	0	8	4	0	12
Wayne State	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Minnesota	0	0	0	0	0	0	0	0	0	0	2	4	0	6
Missouri-Kansas City	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Rutgers	0	0	0	0	0	0	0	1	1	0	0	1	0	1
St. John's	0	0	0	0	0	0	1	1	2	0	2	1	0	3
North Carolina	0	0	0	0	1	1	0	0	0	0	0	1	0	1
Ohio State	0	0	0	0	0	0	1	2	3	0	2	2	0	4
Toledo	0	0	0	0	0	0	1	3	4	0	2	3	0	5
Oregon State	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Duquesne	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Temple	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Pittsburgh	0	0	0	0	0	0	2	0	2	0	2	0	0	2
Rhode Island	0	0	0	0	0	0	2	0	2	0	4	0	0	4
South Carolina	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Texas at Austin	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Utah	0	0	0	0	0	0	0	1	1	0	1	1	0	2
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	4	4	0	8
Washington State	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>25</b>	<b>23</b>	<b>48</b>	<b>0</b>	<b>61</b>	<b>55</b>	<b>0</b>	<b>116</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 36

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmacology Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-CA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Southern California	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercer	1	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Kansas	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana at Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	1	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Missouri-Kansas City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	1	1	2	0	0	0	1	1	2	1	0	1	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
St. John's	0	1	1	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0
North Dakota State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toledo	2	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>19</b>	<b>30</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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



Table 36 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmacology Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	4	0	4	0	4	1	0	5
Arizona	0	0	0	0	0	0	1	2	3	0	2	2	0	4
Pacific-CA	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Southern California	0	0	0	0	0	0	1	0	1	0	1	1	0	2
Colorado	0	0	0	0	0	0	2	1	3	0	3	1	0	4
Nova Southeastern	0	0	0	0	0	0	4	1	5	0	4	1	0	5
Florida	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Mercer	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Kansas	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Kentucky	0	0	0	0	0	0	0	2	2	0	0	3	0	3
Louisiana at Monroe	0	0	0	0	0	0	3	0	3	0	3	0	0	3
MCPHS-Boston	0	0	0	0	1	1	1	1	2	0	1	2	0	3
Northeastern	0	0	0	0	0	0	0	1	1	0	0	3	0	3
Minnesota	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Missouri-Kansas City	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Montana	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Rutgers	0	0	0	0	0	0	0	1	1	1	3	3	1	7
New Mexico	0	0	0	0	0	0	0	0	0	0	1	0	0	1
St. John's	0	0	0	0	0	0	2	2	4	0	3	4	0	7
North Dakota State	0	0	0	0	0	0	3	3	6	0	3	3	0	6
Ohio State	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Toledo	0	0	0	0	0	0	1	1	2	0	3	2	0	5
Oklahoma	0	0	0	0	0	0	1	1	2	0	1	4	0	5
Oregon State	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Duquesne	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Temple	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Pittsburgh	0	0	0	0	0	0	2	2	4	0	3	3	0	6
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	2	0	2
South Carolina	0	0	0	0	0	0	1	1	2	0	1	2	0	3
South Dakota State	0	0	0	0	0	0	8	0	8	0	8	0	0	8
Houston	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Texas at Austin	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Utah	0	0	0	0	0	0	1	0	1	0	2	0	0	2
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>37</b>	<b>23</b>	<b>60</b>	<b>1</b>	<b>52</b>	<b>50</b>	<b>1</b>	<b>103</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 37

## Number of Doctor of Philosophy Degrees (Ph.D.) in Social and Administrative Sciences Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	2	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Arizona	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Arkansas	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Chapman	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California	1	3	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Howard	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0
Illinois at Chicago	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>7</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(continued on the following page)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 37 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Social and Administrative Sciences Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	1	0	1	0	1	3	0	4
Arizona	0	0	0	0	0	0	1	2	3	0	2	3	0	5
Arkansas	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Chapman	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southern California	0	0	0	0	0	0	0	2	2	0	2	5	0	7
Howard	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Florida	0	0	0	0	0	0	2	3	5	0	3	4	0	7
Illinois at Chicago	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Maryland	0	0	0	0	0	0	2	0	2	0	3	0	0	3
MCPHS-Boston	0	0	0	0	0	0	6	0	6	0	6	0	0	6
Minnesota	0	0	0	0	0	0	1	1	2	0	1	2	0	3
Mississippi	0	0	0	0	0	0	0	1	1	0	0	1	0	1
New Mexico	0	0	0	0	0	0	2	0	2	0	2	0	0	2
North Carolina	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Rhode Island	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Houston	0	0	0	0	0	0	1	1	2	0	1	1	0	2
Texas at Austin	0	0	0	0	0	0	1	3	4	0	3	3	0	6
Washington	0	0	0	0	0	0	0	0	0	0	2	0	0	2
West Virginia	0	0	0	0	0	0	0	3	3	0	0	3	0	3
Total	0	0	0	0	0	0	17	17	34	0	31	28	0	59

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 38

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmacy Practice Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Southern California	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	1	1	2	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0
Purdue	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	1	0	1	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0
Pittsburgh	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth	0	2	2	0	0	0	0	0	0	3	7	10	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>6</b>	<b>15</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 38 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmacy Practice Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Pacific-CA	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Southern California	0	0	0	0	0	0	0	3	3	0	1	3	0	4
Colorado	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Florida	0	0	0	0	0	0	1	0	1	0	2	0	0	2
Georgia	0	1	1	0	0	0	4	2	6	0	6	5	0	11
Purdue	0	0	0	0	0	0	1	0	1	0	2	0	0	2
Iowa	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Kentucky	0	0	0	0	0	0	1	0	1	0	3	0	0	3
MCPHS-Boston	0	0	0	0	1	1	7	3	10	0	7	4	0	11
North Carolina	0	0	0	0	0	0	0	1	1	0	1	4	0	5
Pittsburgh	0	0	0	0	0	0	1	3	4	0	3	4	0	7
Utah	0	0	0	0	0	0	2	0	2	0	3	0	0	3
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	3	9	0	12
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>17</b>	<b>13</b>	<b>30</b>	<b>0</b>	<b>32</b>	<b>33</b>	<b>0</b>	<b>65</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 39

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auburn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arkansas	1	1	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
Chapman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California-San Francisco	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific-CA	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	1	1	2
Southern California	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Howard	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida A&M	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Nova Southeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercer	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
Illinois at Chicago	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purdue	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	3	1	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Louisiana at Monroe	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Maryland	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCPHS-Boston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri-Kansas City	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Montana	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A&M Schwartz	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. John's	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York at Buffalo	6	2	8	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
North Carolina	1	2	3	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0
North Dakota State	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio State	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati	2	2	4	0	1	1	0	0	0	2	2	4	0	0	0	0	0	0
Oregon State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Temple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0

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Table 39 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>a</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Auburn	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Arizona	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Arkansas	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Chapman	0	0	0	0	0	0	1	0	1	0	1	0	0	1
California-San Francisco	0	0	0	1	1	2	1	0	1	0	4	2	0	6
Pacific-CA	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Southern California	0	0	0	0	0	0	1	3	4	0	2	4	0	6
Colorado	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Connecticut	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Howard	0	0	0	0	0	0	0	1	1	0	0	2	0	2
Florida A&M	0	0	0	0	0	0	1	0	1	0	1	1	0	2
Nova Southeastern	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Florida	0	0	0	0	0	0	2	0	2	0	2	0	0	2
Mercer	0	0	0	0	0	0	2	2	4	0	2	4	0	6
Illinois at Chicago	0	0	0	0	0	0	1	0	1	0	3	0	0	3
Purdue	0	0	0	0	0	0	1	4	5	0	1	5	0	6
Iowa	0	0	0	0	0	0	4	3	7	0	4	3	0	7
Kansas	0	0	0	0	0	0	5	0	5	0	9	1	0	10
Kentucky	0	0	0	0	1	1	0	0	0	0	0	2	0	2
Louisiana at Monroe	0	0	0	0	0	0	2	0	2	0	3	0	0	3
Maryland	0	0	0	0	0	0	2	2	4	0	3	2	0	5
MCPHS-Boston	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Northeastern	0	0	0	0	0	0	2	3	5	0	2	3	0	5
Michigan	0	0	0	1	0	1	1	2	3	0	7	4	0	11
Wayne State	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Minnesota	0	0	0	1	0	1	2	2	4	0	3	2	0	5
Mississippi	0	0	0	0	0	0	6	3	9	0	6	3	0	9
Missouri-Kansas City	0	0	0	1	1	2	6	0	6	0	7	2	0	9
Montana	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Nebraska	0	0	0	0	0	0	0	0	0	13	0	0	13	13
Rutgers	0	0	0	0	0	0	2	1	3	0	3	1	0	4
A&M Schwartz	0	0	0	0	0	0	2	1	3	0	2	1	0	3
St. John's	0	0	0	0	1	1	1	0	1	0	1	1	0	2
New York at Buffalo	0	0	0	1	0	1	1	0	1	0	9	2	0	11
North Carolina	0	0	0	0	0	0	0	1	1	0	1	6	0	7
North Dakota State	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Ohio State	0	0	0	1	0	1	2	0	2	0	4	0	0	4
Cincinnati	0	0	0	2	0	2	0	0	0	0	6	5	0	11
Oregon State	0	0	0	0	0	0	1	0	1	0	1	0	0	1
Duquesne	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Philadelphia	0	0	0	0	1	1	1	0	1	0	1	2	0	3
Temple	0	0	0	0	0	0	3	0	3	0	3	0	0	3
Pittsburgh	0	0	0	0	0	0	0	2	2	0	0	2	0	2
Rhode Island	0	0	0	0	0	0	3	0	3	0	4	0	0	4

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Table 39 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>a</sup>			Black or African American <sup>b</sup>			Hispanic or Latino <sup>c</sup>			Asian <sup>d</sup>			Native Hawaiian or Other Pacific Islander <sup>e</sup>			American Indian or Alaska Native <sup>f</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Tennessee	1	1	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Texas Tech	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0
Washington	0	2	2	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0
Washington State	0	2	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Wisconsin-Madison	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>30</b>	<b>21</b>	<b>51</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>15</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>

(continued below)

a: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

b: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

c: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

d: 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

e: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

f: 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

Table 39 (continued)

## Number of Doctor of Philosophy Degrees (Ph.D.) in Pharmaceutics Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>g</sup>			Unknown <sup>h</sup>			International/ Foreign <sup>i</sup>			Unknown/Other Gender <sup>j</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
Tennessee	0	0	0	0	0	0	2	4	6	0	4	5	0	9
Texas Tech	0	0	0	0	0	0	1	3	4	0	1	4	0	5
Houston	0	0	0	0	0	0	3	1	4	0	3	2	0	5
Texas at Austin	0	0	0	0	0	0	1	1	2	0	1	2	0	3
Utah	0	0	0	0	0	0	3	0	3	0	3	1	0	4
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	0	2	2	0	4
Washington	0	0	0	0	0	0	1	0	1	0	2	3	0	5
Washington State	0	0	0	0	0	0	0	1	1	0	0	4	0	4
Wisconsin-Madison	0	0	0	0	0	0	3	4	7	0	5	5	0	10
<b>Total</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>5</b>	<b>13</b>	<b>72</b>	<b>49</b>	<b>121</b>	<b>13</b>	<b>123</b>	<b>100</b>	<b>13</b>	<b>236</b>

g: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

h: U.S. citizens or permanent residents whose race and ethnicity are not known

i: Citizens of a foreign country/permanent residents of a country other than the U.S.

j: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship

Table 40

Number of Doctor of Philosophy Degrees (Ph.D.) in Other Disciplines<sup>a</sup> Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	White <sup>b</sup>			Black or African American <sup>c</sup>			Hispanic or Latino <sup>d</sup>			Asian <sup>e</sup>			Native Hawaiian or Other Pacific Islander <sup>f</sup>			American Indian or Alaska Native <sup>g</sup>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
California-San Francisco	5	1	6	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0
Pacific-CA	2	1	3	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas at Austin	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0
<b>Total</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

(continued below)

a: Includes biological &amp; medical informatics at California-SF, chemistry at Pacific-CA, biomolecular sciences at Mississippi, and pharmacotherapy at Texas at Austin.

b: U.S. citizens or permanent residents having origins in any of the original peoples of Europe, the Middle East, or North Africa

c: U.S. citizens or permanent residents having origins in any of the black racial groups of Africa

d: U.S. citizens or permanent residents of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

e: 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

f: U.S. citizens or permanent residents having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

g: 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

h: U.S. citizens or permanent residents who are not Hispanic/Latino and identify themselves by more than one race

Table 40 (continued)

Number of Doctor of Philosophy Degrees (Ph.D.) in Other Disciplines<sup>a</sup> Conferred 2018–19 by School, Gender, and Race/Ethnicity

College/School	Two or More Races <sup>h</sup>			Unknown <sup>i</sup>			International/ Foreign <sup>j</sup>			Unknown/Other Gender <sup>k</sup>	Total			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Unknown/Other Gender	Total
California-San Francisco	0	1	1	0	0	0	1	0	1	0	7	3	0	10
Pacific-CA	0	1	1	0	0	0	0	0	0	0	4	2	0	6
Mississippi	0	0	0	0	0	0	3	0	3	0	3	0	0	3
Texas at Austin	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>Total</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>16</b>	<b>5</b>	<b>0</b>	<b>21</b>

i: U.S. citizens or permanent residents whose race and ethnicity are not known

j: Citizens of a foreign country/permanent residents of a country other than the U.S.

k: Individuals with unknown or other gender, regardless of race/ethnicity or citizenship