

2021-2022 **PharmGrad Applicant Data Report**

**2021-2022 Admissions Cycle
for the 2022 Entering Class**



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INSTITUTIONS PARTICIPATING IN PHARMGRAD: 2021-2022

The 2021-2022 PharmGrad Applicant Data Report was developed by the American Association of Colleges of Pharmacy and reflects data for 9 schools and 28 graduate pharmaceutical education (MS/PhD) programs that participated in PharmGrad during its 7th admissions cycle. “Schools” in this report refers to the colleges and schools of pharmacy that participated in PharmGrad. “Programs” refer to graduate pharmaceutical degree and certificate programs that utilized PharmGrad. Participation changes during the 2022-2023 cycle are not reflected below, nor included in this report. For a current list of participating programs, please visit the PharmGrad website at www.pharmgrad.org/.

** Indicates new institutions in PharmGrad during the 2021-2022 admissions cycle.*

Institution	# of PharmGrad Programs 2021-22
Albany College of Pharmacy and Health Sciences	2
California Northstate University	1
Chapman University	4
Manchester University	3
Mercer University	2
Northeastern University*	8
Nova Southeastern University	3
University of Pittsburgh	3
Western New England University	2
TOTAL # of PharmGrad <u>PROGRAMS</u>	28
TOTAL # of PharmGrad <u>SCHOOLS</u>	9

OVERALL APPLICANT AND APPLICATION TRENDS

The 2021-2022 PharmGrad Applicant Data Report reflects 589 applicants with Submitted application status who applied via the Pharmacy Graduate Application Service (PharmGrad) during the 2021-2022 (7th) admissions cycle. Applicants with Submitted status sent a total of 799 applications to 9 colleges and schools of pharmacy and 28 programs that participated in PharmGrad.

The PharmGrad Applicant Data Report differs from the annual PharmCAS Applicant Data Report in several ways. Firstly, the PharmGrad report refers to applicants with Submitted status, while the PharmCAS report refers to applicants with Verified status. The PharmGrad Applicant Data Report also provides fewer tables because the application fields and processing differ in the following ways:

- No acceptance data is captured from PharmGrad programs.
- No disadvantaged fields are captured on the PharmGrad application.
- Full transcript verification is not available in PharmGrad.
- The PCAT is not required or accepted by PharmGrad programs.

Data in this report may differ from WebAdMIT and other AACP reports due to differences in how the data were collected, organized, and verified.

Figure 1: PharmGrad Participation, Applicant, and Application Trends (2016-2022)

Cycle	# of Schools in PharmGrad	# of Programs in PharmGrad	# of PharmGrad Applications	% Change	# of PharmGrad Applicants	% Change	Applications to Applicant Ratio
2015-16	2	6	120		99		1.21
2016-17	3	7	202	68.3%	190	91.9%	1.06
2017-18	5	11	277	37.1%	263	38.4%	1.05
2018-19	9	16	442	59.6%	412	56.7%	1.07
2019-20	9	18	508	14.9%	453	10.0%	1.12
2020-21	10	22	463	-8.9%	422	-6.8%	1.10
2021-22	9	28	799	72.6%	589	39.6%	1.36

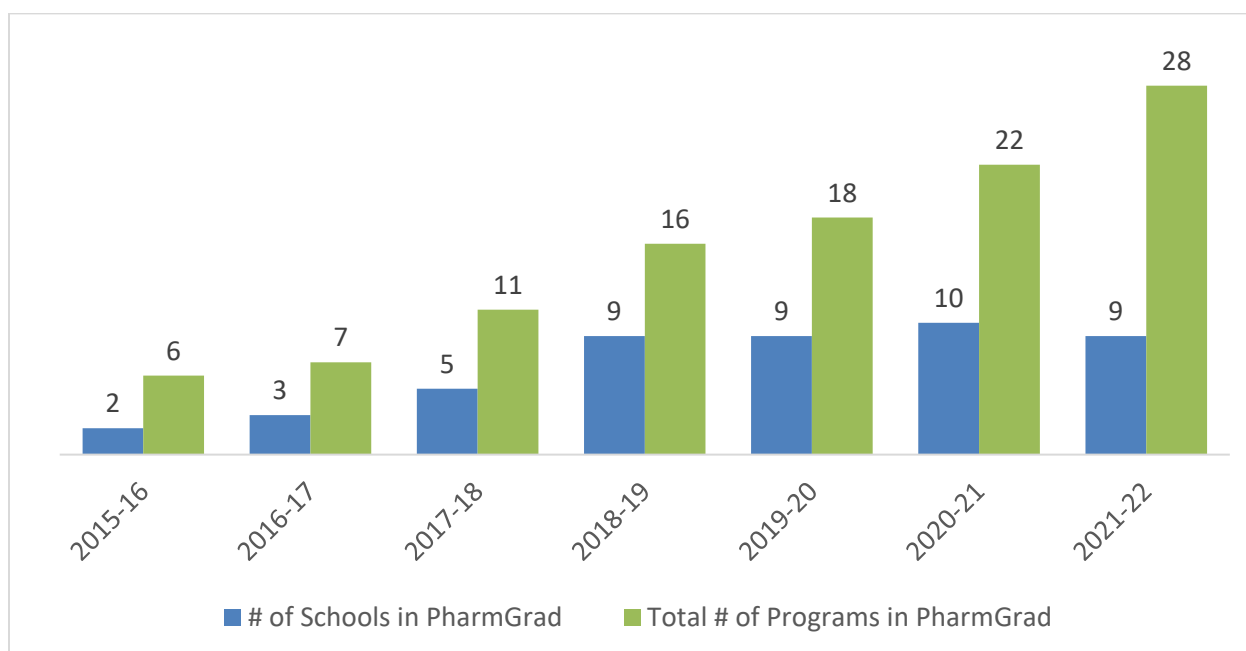
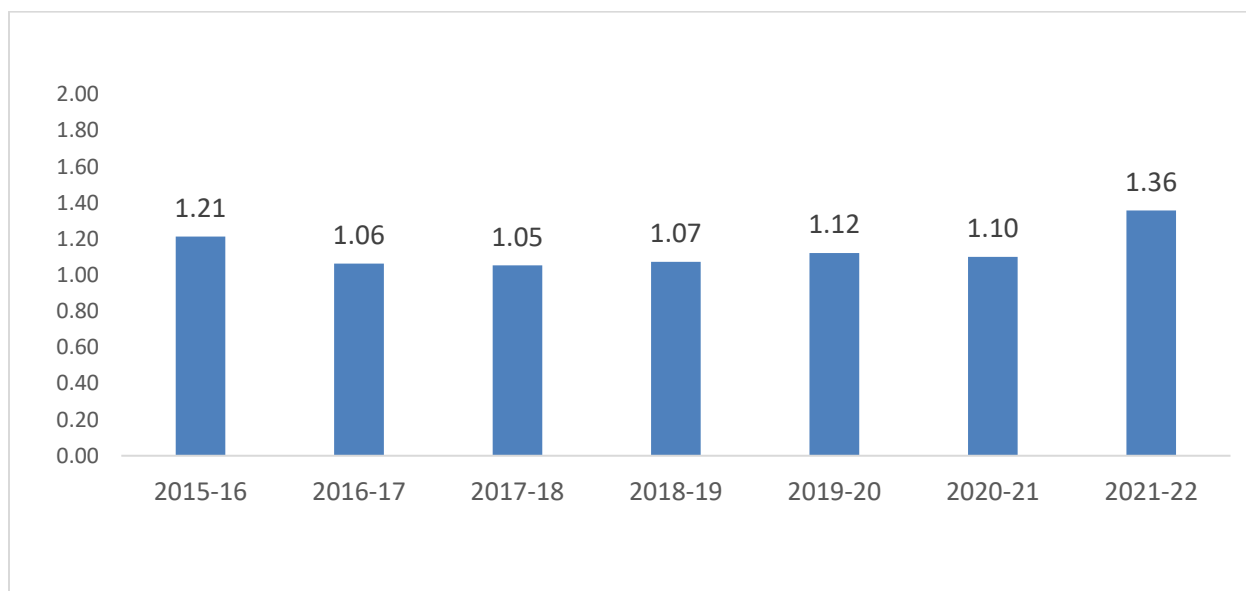
Figure 2: Number of Schools and Programs Participating in PharmGrad (2016-2022)**Figure 3: PharmGrad Applications per Applicant Ratio (2016-2022)**

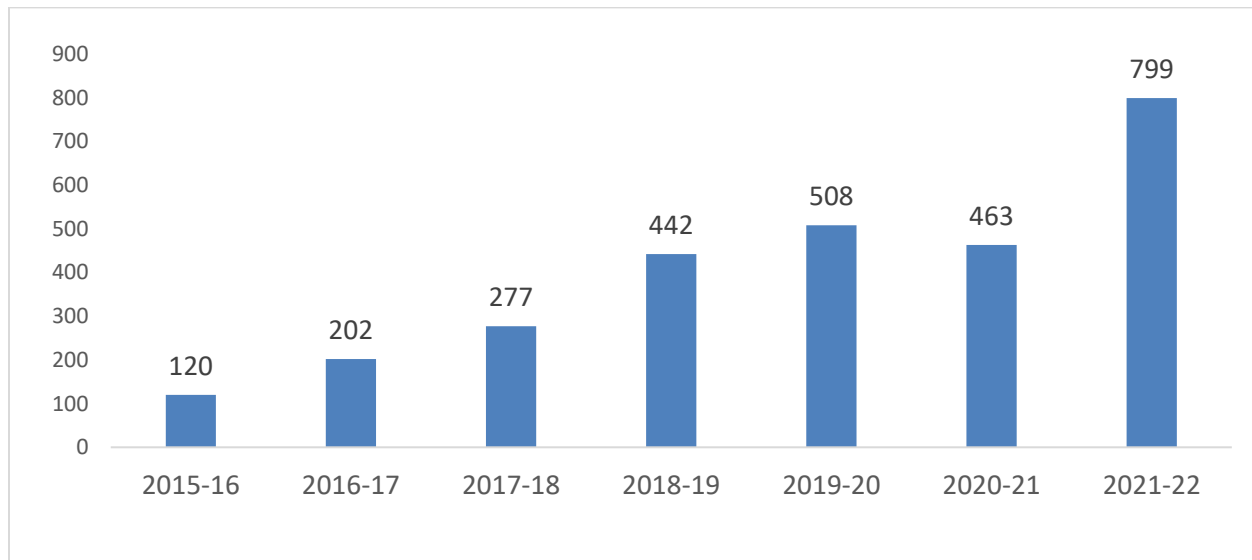
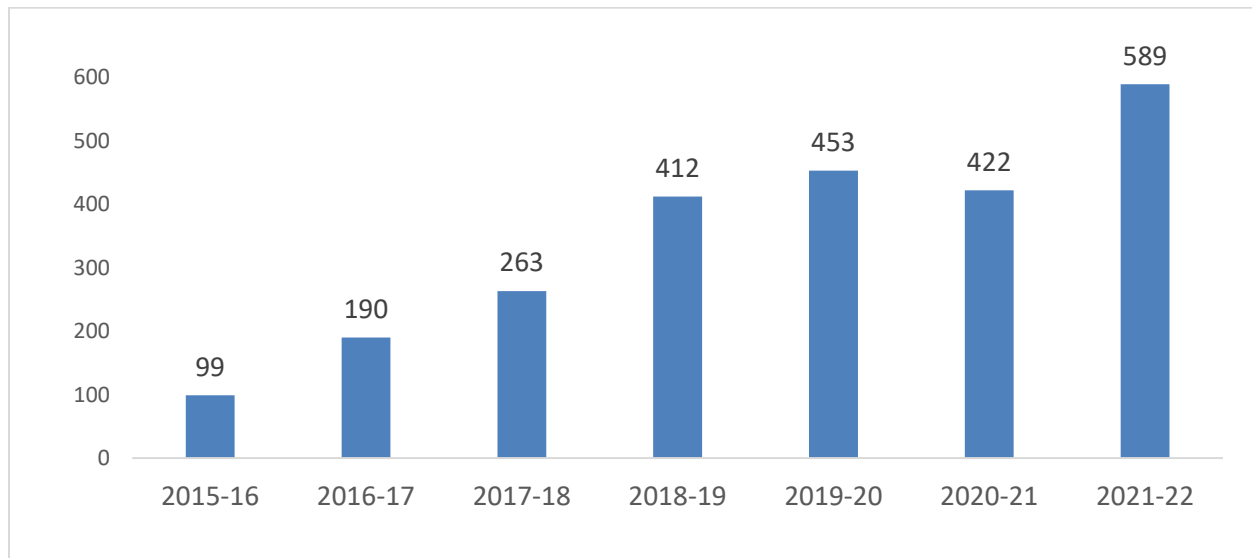
Figure 4: Total Number of PharmGrad Applications (2016-2022)**Figure 5: Total Number of PharmGrad Applicants (2016-2022)**

Figure 6: PharmGrad Applications per Program (2016-2022)

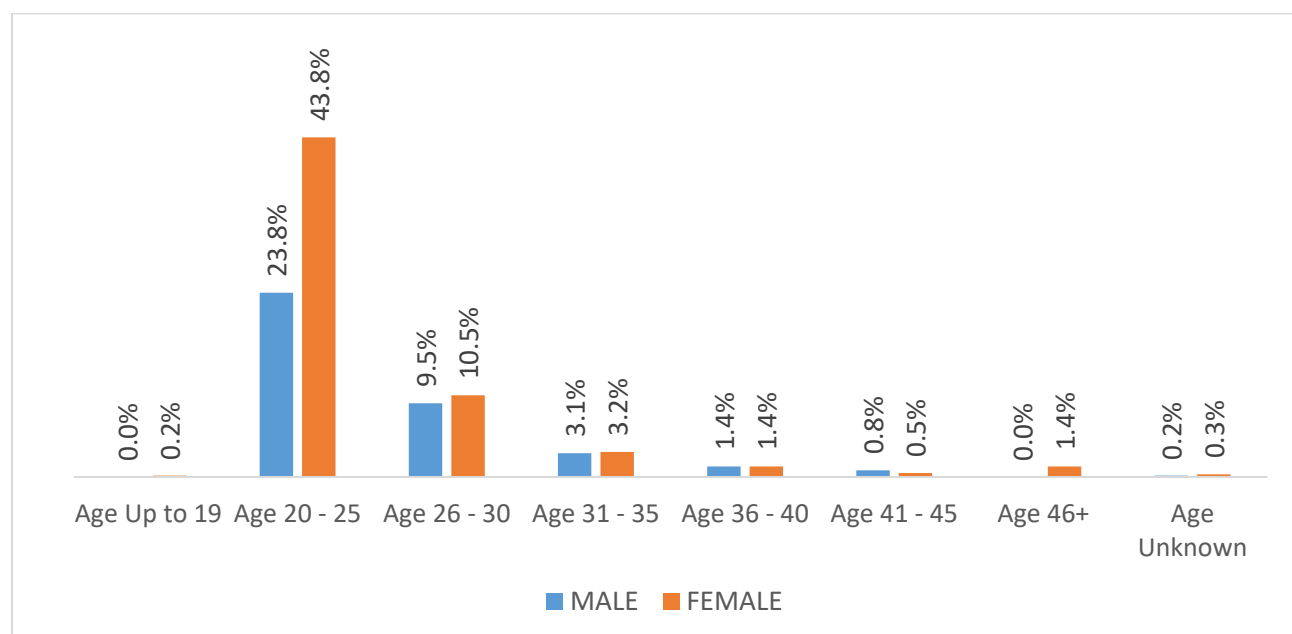
Cycle	# of Programs in PharmGrad	# of PharmGrad Applications	MEAN # of Applicants Per Program	MEDIAN # of Applicants Per Program	RANGE in # of Applicants Per Program
2015-16	6	120	20.0	N/A	N/A
2016-17	7	202	28.9	5	0 to 78
2017-18	11	277	25.2	6	0 to 66
2018-19	16	442	27.6	12	0 to 97
2019-20	18	508	28.2	14	1 to 104
2020-21	22	463	21.0	5	0 to 111
2021-22	28	799	28.5	15	0 to 106

AGE AND SEX

PharmGrad age data is based on the “age_at_submission” field in the PharmGrad application. PharmGrad cannot verify or edit the age or date of birth fields on behalf of applicants; therefore, some age data may be inaccurate. Table is based on the reported sex of applicants and not gender identity.

Figure 7: PharmGrad Applicants by Age and Sex

Age	MALE		FEMALE		DECLINE TO STATE		TOTAL	
	#	%	#	%	#	%	#	%
Age Up to 19	0	0.0%	1	0.3%	0	0.0%	1	0.2%
Age 20 - 25	140	61.4%	258	71.5%	0	0.0%	398	67.6%
Age 26 - 30	56	24.6%	62	17.2%	0	0.0%	118	20.0%
Age 31 - 35	18	7.9%	19	5.3%	0	0.0%	37	6.3%
Age 36 - 40	8	3.5%	8	2.2%	0	0.0%	16	2.7%
Age 41 - 45	5	2.2%	3	0.8%	0	0.0%	8	1.4%
Age 46+	0	0.0%	8	2.2%	0	0.0%	8	1.4%
Age Unknown	1	0.4%	2	0.6%	0	0.0%	3	0.5%
TOTAL	228	100%	361	100%	0	0%	589	100%
Mean	25.53		24.97		0		25.19	
Median	24		23		0		23	
Range	20-45		19-58		0		19-58	

Figure 8: Percentage of PharmGrad Applicants by Age and Sex

* The percentages in this graph were calculated based on the total number of applicants in the 2021-2022 pool. Applicants who declined to report an age on the PharmGrad application are reported as "Age Unknown". Applicants who declined to report a sex are not represented in this graph.

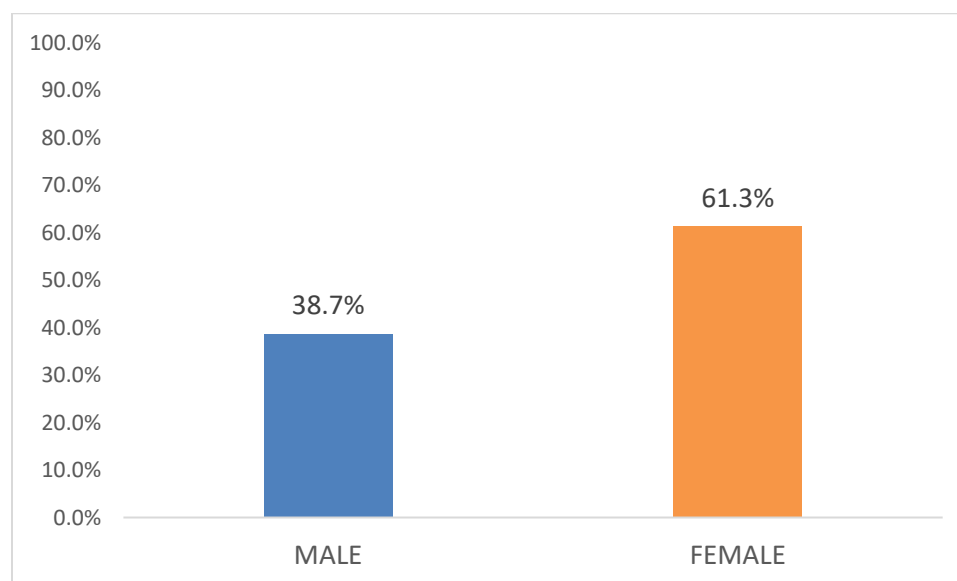
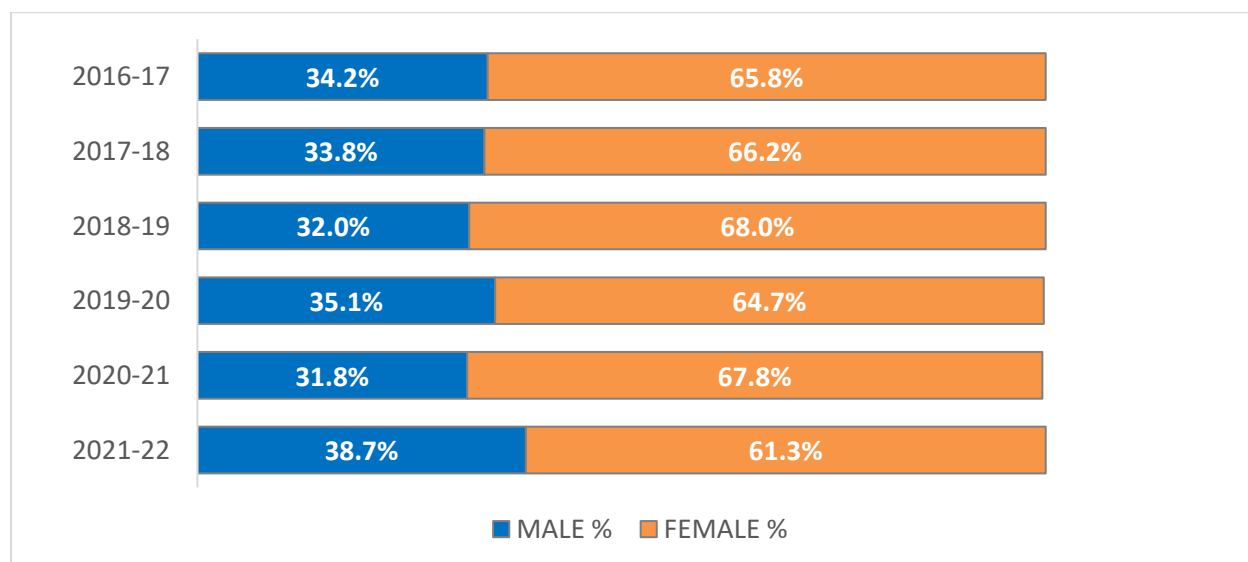
Figure 9: Percentage of PharmGrad Applicants by Sex

Figure 10: PharmGrad Applicants by Sex per Cycle (2017-2022)

Cycle	Male	% of Total Pool	Female	% of Total Pool	Decline to State	% of Total Pool	Total
2016-17	65	34.2%	125	65.8%	0	0.0%	190
2017-18	89	33.8%	174	66.2%	0	0.0%	263
2018-19	132	32.0%	280	68.0%	0	0.0%	412
2019-20	159	35.1%	293	64.7%	1	0.2%	453
2020-21	134	31.8%	286	67.8%	2	0.5%	422
2021-22	228	38.7%	361	61.3%	0	0.0%	589

* Data is not available for the 2015-2016 cycle

Figure 11: Percentage of PharmGrad Applicants by Sex per Cycle (2017-2022)

RACE/ETHNICITY

Programs in PharmGrad can view all of the racial and ethnic designations for each application received. For the purpose of this report only, applicants with multiple racial and ethnic categories selected are categorized as “Multiple”, unless otherwise indicated. Additional tables in this report reflect the total number of racial and ethnicity designations.

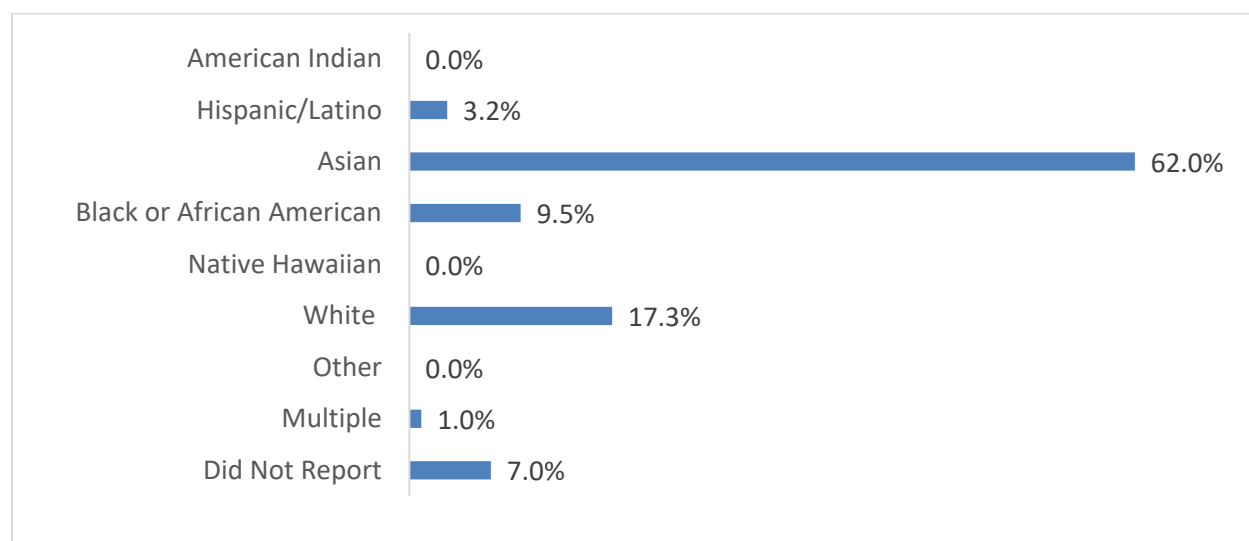
The number of “Hispanic/Latino” applicants in the following figures reflects all applicants who self-identified as Hispanic or Latino, regardless of race selected.

Per the application, the “American Indian” category is inclusive of individuals who identify as “Alaska Native”. “Native Hawaiian” is inclusive of individuals who identify as “Other Pacific Islander”.

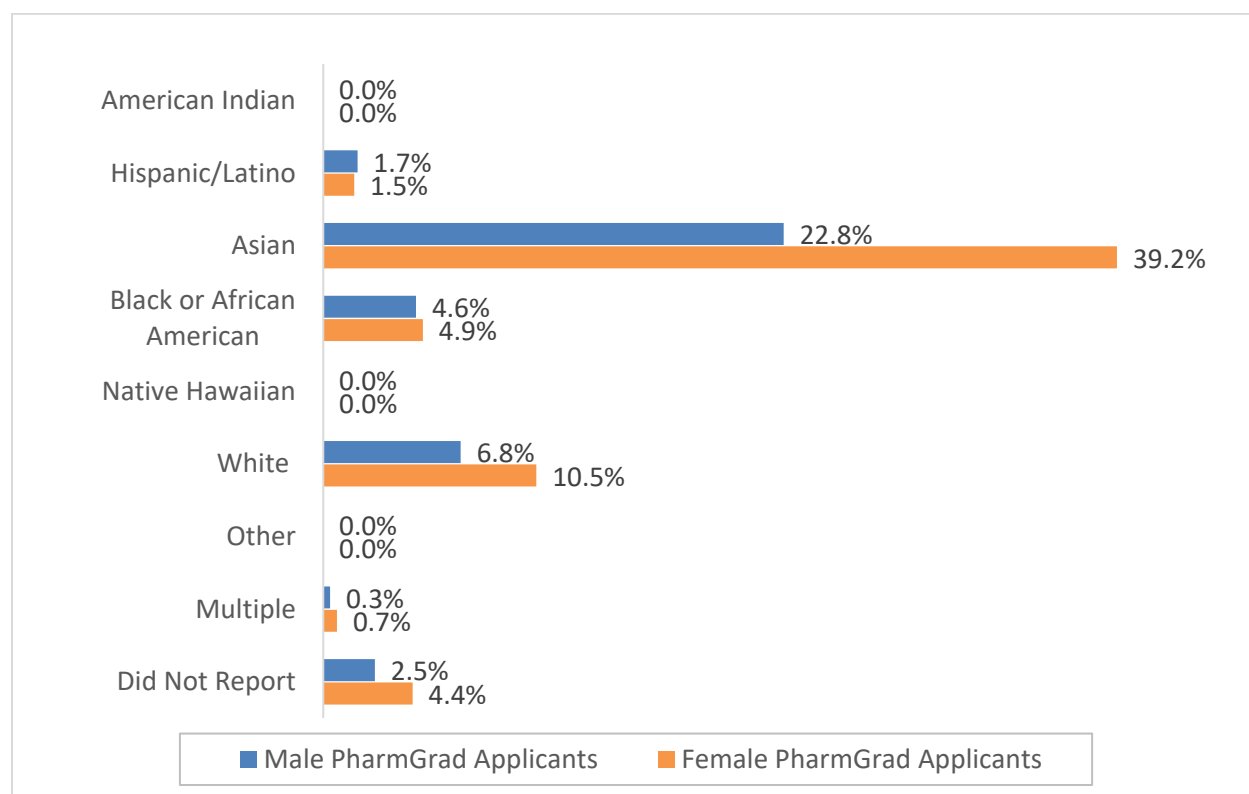
Figure 12: PharmGrad Applicants by Race/Ethnicity and Sex

RACE/ETHNICITY	2021-2022 Applicants in PharmGrad							
	MALE		FEMALE		UNKNOWN		TOTAL	
	#	%	#	%	#	%	#	%
American Indian	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Hispanic/Latino	10	4.39%	9	2.49%	0	0.00%	19	3.23%
Asian	134	58.77%	231	63.99%	0	0.00%	365	61.97%
Black or African American	27	11.84%	29	8.03%	0	0.00%	56	9.51%
Native Hawaiian	0	0.00%	0	0.00%	0	0.00%	0	0.00%
White	40	17.54%	62	17.17%	0	0.00%	102	17.32%
Other	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Multiple	2	0.88%	4	1.11%	0	0.00%	6	1.02%
Did Not Report	15	6.58%	26	7.20%	0	0.00%	41	6.96%
TOTAL	228	100%	361	100%	0	0%	589	100%

**Race/ethnicity categories in table are mutually exclusive. Each applicant is represented in only one category.*

Figure 13: PharmGrad Applicants by Race/Ethnicity

* Percentages were calculated based on the total number of applicants in the pool. Race/ethnicity categories in table are mutually exclusive and reflect data in Figure 12.

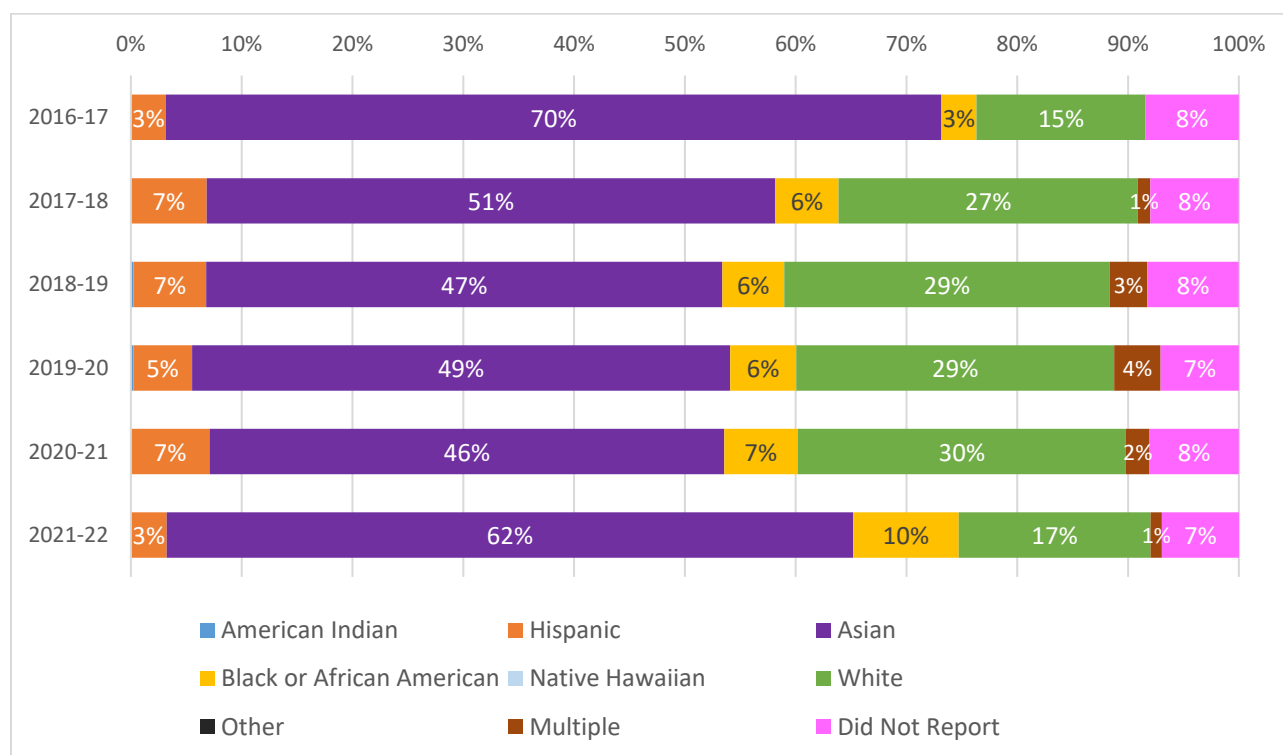
Figure 14: Percentage of PharmGrad Applicants by Race/Ethnicity and Sex

* Percentages in the graphs above were calculated based on the total number of applicants in each pool (all and accepted). Race/ethnicity categories in table are mutually exclusive.

Figure 15: PharmGrad Applicants by Race/Ethnicity per Cycle (2017-2022)

Cycle	American Indian	Hispanic/Latino	Asian	Black/African American	Native Hawaiian	White	Other	Multiple	Did Not Report
2016-17	0.00%	3.16%	70.00%	3.16%	0.00%	15.26%	0.00%	0.00%	8.42%
2017-18	0.00%	6.84%	51.33%	5.70%	0.00%	27.00%	0.00%	1.14%	7.98%
2018-19	0.24%	6.55%	46.60%	5.58%	0.00%	29.37%	0.00%	3.40%	8.25%
2019-20	0.22%	5.30%	48.57%	5.96%	0.00%	28.70%	0.00%	4.19%	7.06%
2020-21	0.00%	7.1%	46.45%	6.64%	0.00%	29.62%	0.00%	2.13%	8.06%
2021-22	0.00%	3.23%	61.97%	9.51%	0.00%	17.32%	0.00%	1.02%	6.96%

* Percentages were calculated based on the total number of PharmGrad applicants in the pool. Race/ethnicity categories in the table are mutually exclusive. The 2021-2022 data can also be found in Figure 12. Race/ethnicity data for the 2015-2016 cycle is not available.

Figure 16: Percentage of PharmGrad Applicants by Race/Ethnicity per Cycle (2017-2022)

* Percentages were calculated based on the total number of PharmGrad applicants in the pool. Race/ethnicity categories in the table are mutually exclusive. Trend data is also available in Figure 15. The 2021-2022 data can also be found in Figure 12.

Figure 17: PharmGrad Applicants by All Race and Ethnicity Designations

Racial and ethnicity categories in the table and graph below are **not** mutually exclusive. Therefore, the report totals exceed the total number of PharmGrad applicants in the pool.

RACE/ETHNICITY DESIGNATIONS	PharmGrad Applicants	
	#	%
American Indian	0	0.0%
Asian	371	60.2%
Black or African American	62	10.1%
Native Hawaiian	1	0.2%
Hispanic/Latino	19	3.1%
Other	0	0.0%
White	122	19.8%
Did Not Report	41	6.7%
Total	616	100%

* Racial and ethnicity categories in graph are **not** mutually exclusive.

CITIZENSHIP

Figure 18: PharmGrad Applicants by Citizenship Status

Citizenship Status	PharmGrad Applicants	
	#	%
U.S. Citizen	119	20.2%
Permanent U.S. Resident	5	0.8%
Temporary U.S. Resident	16	2.7%
Non Resident	180	30.6%
None	269	45.7%
Did Not Report	0	0.0%
TOTAL	589	100%

Visit the [PharmGrad Help Center](#) for citizenship definitions.

Figure 19: Percentage of PharmGrad Applicants by Citizenship Status

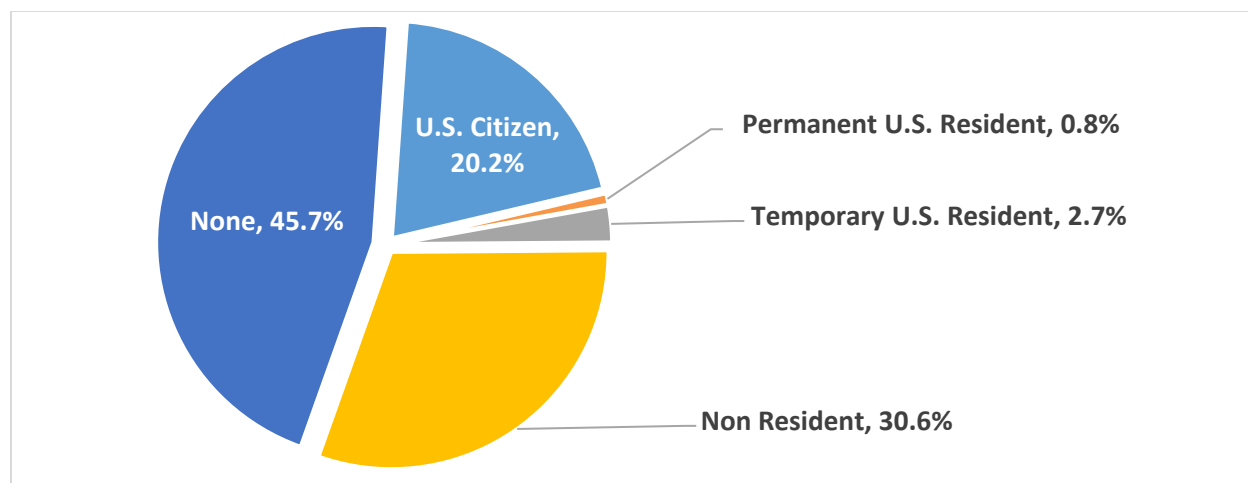


Figure 20: Country of Citizenship for PharmGrad Applicants

Country of Citizenship	PharmGrad Applicants	
	#	%
Austria	1	0.17%
Bahamas, The	4	0.68%
Bahrain	1	0.17%
Bangladesh	10	1.70%
Belgium	1	0.17%
Brazil	1	0.17%
Canada	4	0.68%
China	85	14.43%
Egypt	8	1.36%
Germany	1	0.17%
Ghana	6	1.02%
India	207	35.14%
Iran (Islamic Republic of)	27	4.58%
Japan	1	0.17%
Jordan	7	1.19%
Kazakhstan	1	0.17%
Kenya	1	0.17%
Korea (the Republic of)	6	1.02%
Kyrgyzstan	1	0.17%
Lebanon	2	0.34%
Liberia	1	0.17%
Mexico	1	0.17%
Nepal	4	0.68%
Nigeria	31	5.26%
Pakistan	8	1.36%
Qatar	1	0.17%
Rwanda	2	0.34%
Saudi Arabia	24	4.07%
Singapore	1	0.17%
Sri Lanka	1	0.17%
Sudan	1	0.17%
Taiwan (Province of China)	9	1.53%
Turkey	1	0.17%
United Kingdom of Great Britain and Northern Ireland (the)	1	0.17%
United States	119	20.20%
Uruguay	1	0.17%
Viet Nam	5	0.85%
Yemen	1	0.17%
Zambia	1	0.17%
Zimbabwe	1	0.17%
TOTAL	589	100%

PERMANENT STATE OF RESIDENCY

Figure 21: PharmGrad Applicants by Permanent State of Residency

State or Province	PharmGrad Applicants	
	#	%
Arizona	1	0.17%
California	22	3.74%
Colorado	2	0.34%
Connecticut	3	0.51%
Did Not Report	0	0.00%
Florida	12	2.04%
Georgia	9	1.53%
Illinois	1	0.17%
Indiana	7	1.19%
International	408	69.27%
Maryland	3	0.51%
Massachusetts	26	4.41%
Michigan	1	0.17%
Minnesota	1	0.17%
Missouri	1	0.17%
New Hampshire	1	0.17%
New Jersey	9	1.53%
New York	15	2.55%
North Carolina	3	0.51%
Ohio	6	1.02%
Oregon	2	0.34%
Other/Unknown	19	3.23%
Pennsylvania	17	2.89%
Puerto Rico	4	0.68%
Tennessee	5	0.85%
Texas	4	0.68%
Utah	2	0.34%
Virginia	3	0.51%
Virgin Islands, U.S.	1	0.17%
Wisconsin	1	0.17%
TOTAL	589	100%

Report reflects the State field in the Permanent Address section of the PharmGrad application.

Figure 22: Permanent State of Residency of PharmGrad Applicants Sorted by Volume

Rank	State or Province	#	%
1	International	408	69.27%
2	Massachusetts	26	4.41%
3	California	22	3.74%
4	Other/Unknown	19	3.23%
5	Pennsylvania	17	2.89%
6	New York	15	2.55%
7	Florida	12	2.04%
8	Georgia	9	1.53%
9	New Jersey	9	1.53%
10	Indiana	7	1.19%
11	Ohio	6	1.02%
12	Tennessee	5	0.85%
13	Puerto Rico	4	0.68%
14	Texas	4	0.68%
15	Connecticut	3	0.51%
16	Maryland	3	0.51%
17	North Carolina	3	0.51%
18	Virginia	3	0.51%
19	Colorado	2	0.34%
20	Oregon	2	0.34%
21	Utah	2	0.34%
22	Arizona	1	0.17%
23	Illinois	1	0.17%
24	Michigan	1	0.17%
25	Minnesota	1	0.17%
26	Missouri	1	0.17%
27	New Hampshire	1	0.17%
28	Virgin Islands, U.S.	1	0.17%
29	Wisconsin	1	0.17%
30	Did Not Report	0	0.00%