

2022-2023 PharmGrad Applicant Data Report

2022-2023 Admissions Cycle for the 2023 Entering Class

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INSTITUTIONS PARTICIPATING IN PHARMGRAD: 2022-2023

The 2022-2023 PharmGrad Applicant Data Report was developed by the American Association of Colleges of Pharmacy and reflects data for 10 schools and 29 graduate pharmaceutical education (MS/PhD) programs that participated in PharmGrad during its 8th 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 2023-2024 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 2022-2023 admissions cycle.*

Institution	# of PharmGrad Programs 2022-23
Albany College of Pharmacy and Health Sciences	2
California Northstate University	1
Chapman University	3
Manchester University	3
Mercer University	2
Northeastern University	8
Nova Southeastern University	3
University of Pittsburgh	4
Western New England University	2
Xavier University of Louisiana*	1
TOTAL # of PharmGrad PROGRAMS	29
TOTAL # of PharmGrad SCHOOLS	10

OVERALL APPLICANT AND APPLICATION TRENDS

The 2022-2023 PharmGrad Applicant Data Report reflects 510 applicants with Submitted application status who applied via the Pharmacy Graduate Application Service (PharmGrad) during the 2022-2023 (8th) admissions cycle. Applicants with Submitted status sent a total of 623 applications to 10 colleges and schools of pharmacy and 29 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 (Verified and Complete only), 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 (2016-2023)

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
2022-23	10	29	623	-22.0%	510	-13.4%	1.22

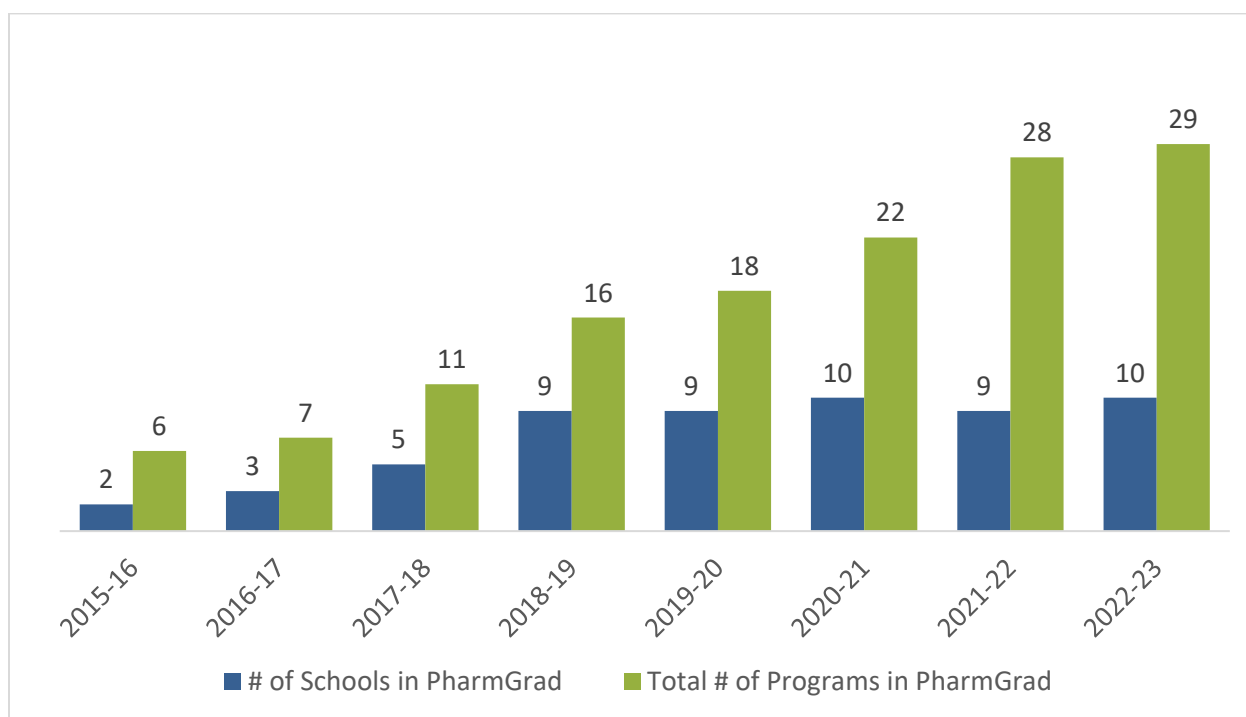
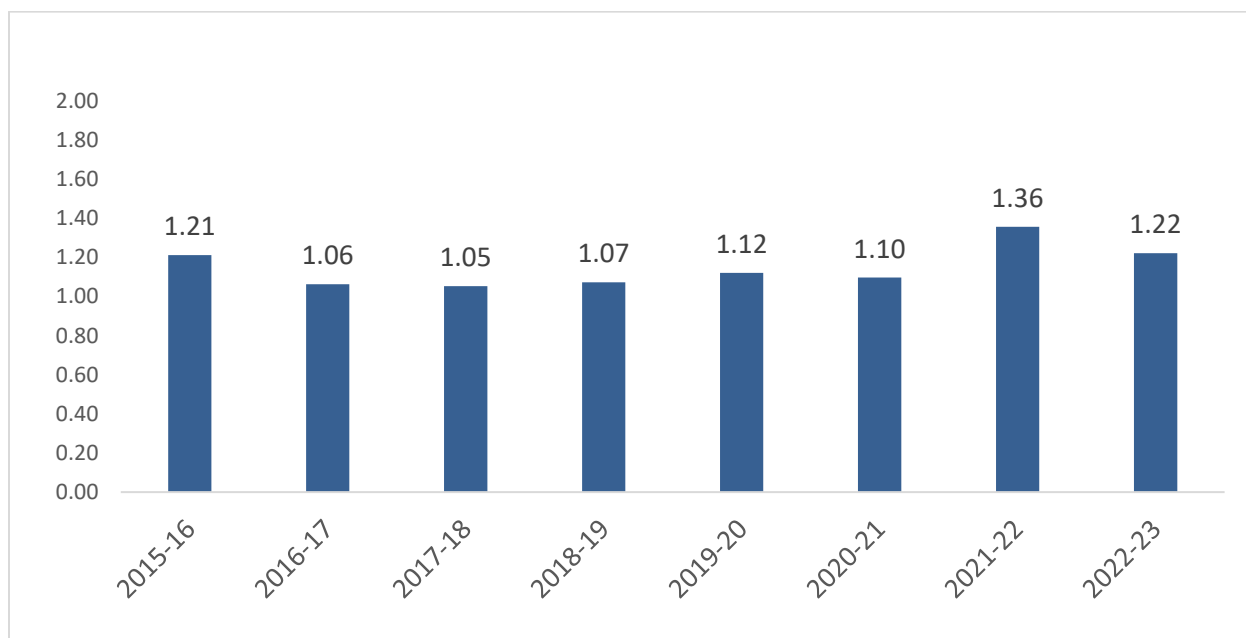
Figure 2: Number of Schools and Programs Participating in PharmGrad (2016-2023)**Figure 3: PharmGrad Applications per Applicant Ratio (2016-2023)**

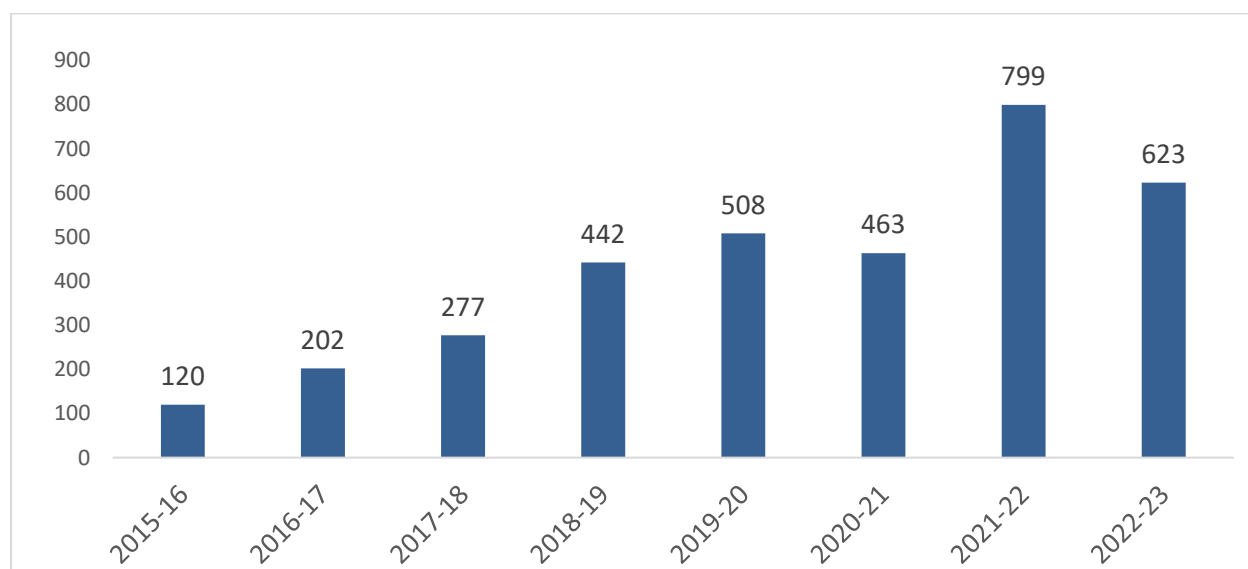
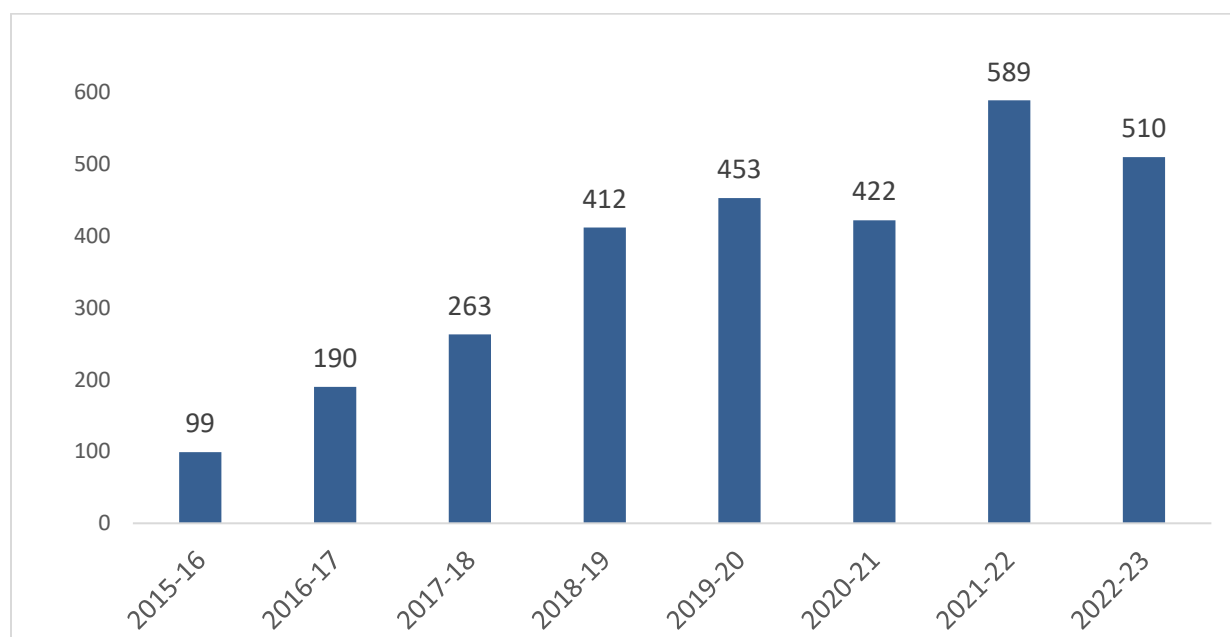
Figure 4: Total Number of PharmGrad Applications (2016-2023)**Figure 5: Total Number of PharmGrad Applicants (2016-2023)**

Figure 6: PharmGrad Applications per Program (2016-2023)

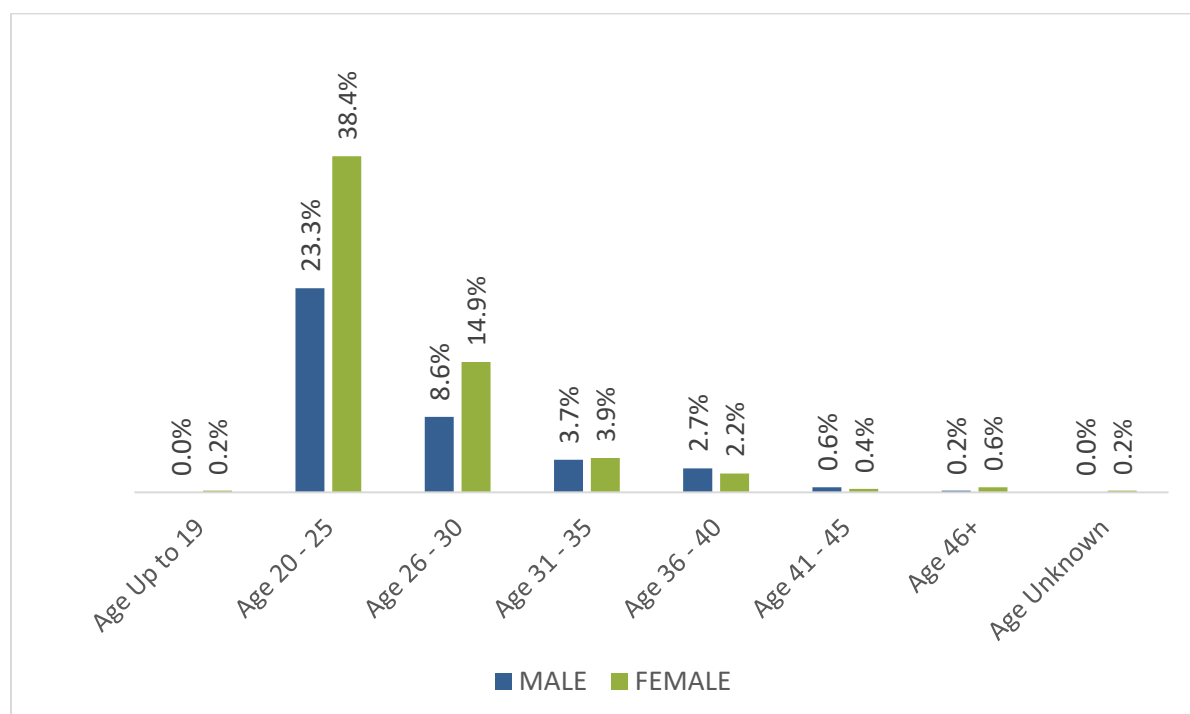
Cycle	# of Programs in PharmGrad	# of PharmGrad Applications	MEAN # of Applicants Per Program	MEDIAN # of Applicants Per Program	RANGE in # of Applicants Per Program
2015-16	6	120	20.0	N/A	N/A
2016-17	7	202	28.9	5	0 to 78
2017-18	11	277	25.2	6	0 to 66
2018-19	16	442	27.6	12	0 to 97
2019-20	18	508	28.2	14	1 to 104
2020-21	22	463	21.0	5	0 to 111
2021-22	28	799	28.5	15	0 to 106
2022-23	29	623	21.5	10	0 to 167

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

	MALE		FEMALE		DECLINE TO STATE		TOTAL	
Age	#	%	#	%	#	%	#	%
Age Up to 19	0	0.0%	1	0.3%	0	0.0%	1	0.2%
Age 20 - 25	119	59.5%	196	63.2%	0	0.0%	315	61.8%
Age 26 - 30	44	22.0%	76	24.5%	0	0.0%	120	23.5%
Age 31 - 35	19	9.5%	20	6.5%	0	0.0%	39	7.7%
Age 36 - 40	14	7.0%	11	3.6%	0	0.0%	25	4.9%
Age 41 - 45	3	1.5%	2	0.7%	0	0.0%	5	1.0%
Age 46+	1	0.5%	3	1.0%	0	0.0%	4	0.8%
Age Unknown	0	0.0%	1	0.3%	0	0.0%	1	0.2%
TOTAL	200	100%	310	100%	0	0%	510	100%
Mean	26.44		25.35		0		25.78	
Median	25		24		0		24	
Range	20-70		19-55		0		19-70	

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 2022-2023 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.

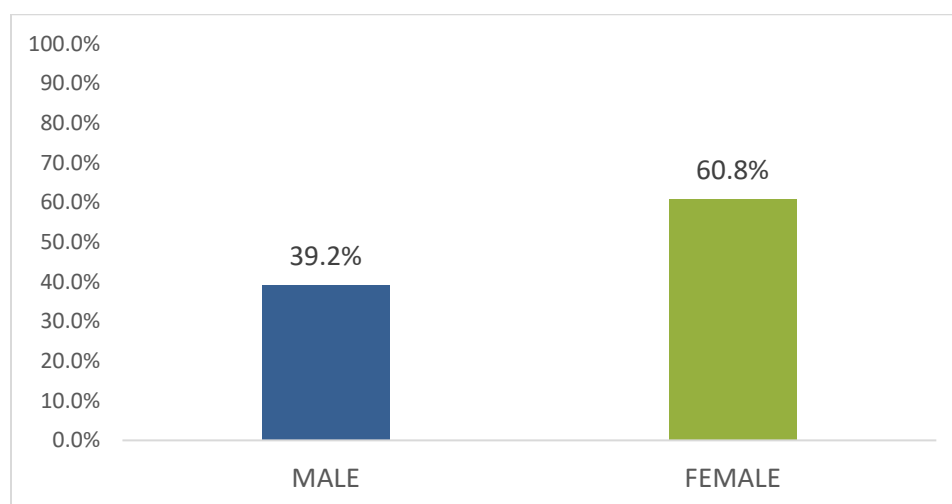
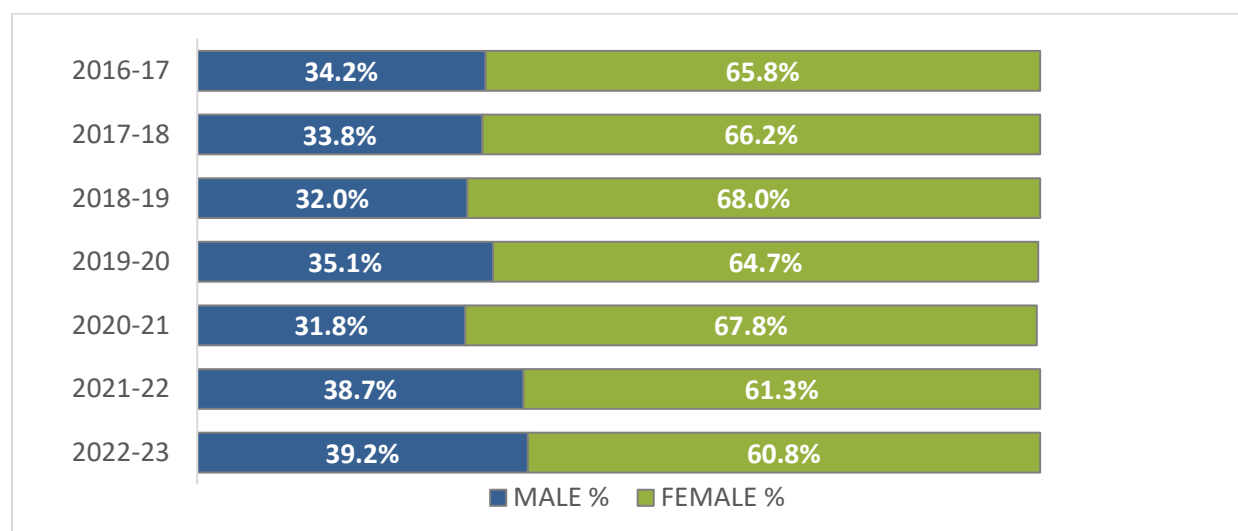
Figure 9: Percentage of PharmGrad Applicants by Sex

Figure 10: PharmGrad Applicants by Sex per Cycle (2017-2023)

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
2022-23	200	39.2%	310	60.8%	0	0.0%	510

* Data is not available for the 2015-2016 cycle

Figure 11: Percentage of PharmGrad Applicants by Sex per Cycle (2017-2023)

GENDER IDENTITY

In addition to sex, PharmGrad began to capture gender identity for the first time in the 2021-2022 admission cycle. The optional item on the PharmGrad application states, “We understand that your sex may not necessarily be binary. How do you describe your current gender identity? Select all that apply.” The response options are: Female/Woman, Male/Man, Non-Binary/Third gender, Trans female/Trans woman, Trans male/Trans man, or Prefer to self-describe.

Figure 12: PharmGrad Applicants Gender Identity

Gender Identity	#	%
Female/Woman	254	49.80%
Male/Man	162	31.76%
Non-Binary/Third gender	4	0.78%
Trans female/Trans woman	0	0.00%
Trans male/Trans man	0	0.00%
Prefer to self-describe	0	0.00%
More than one gender	0	0.00%
No answer	90	17.65%
TOTAL	510	100%

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.

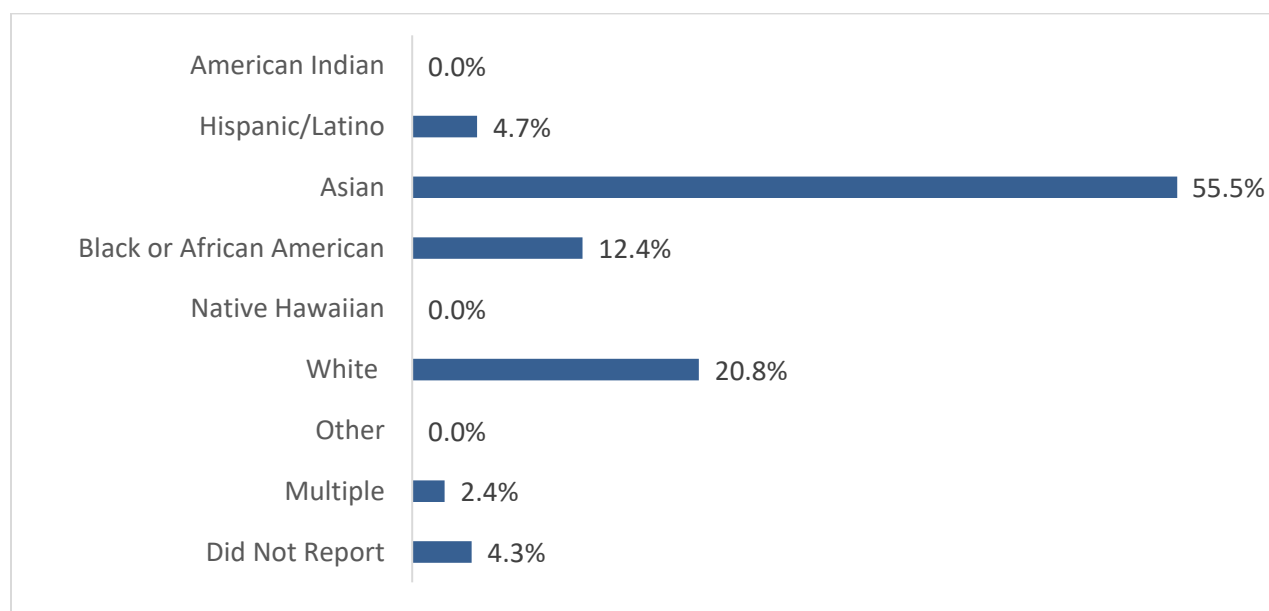
The number of “Hispanic/Latino” applicants in the following figures reflects all applicants who self-identified as Hispanic or Latino, regardless of race selected.

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.”

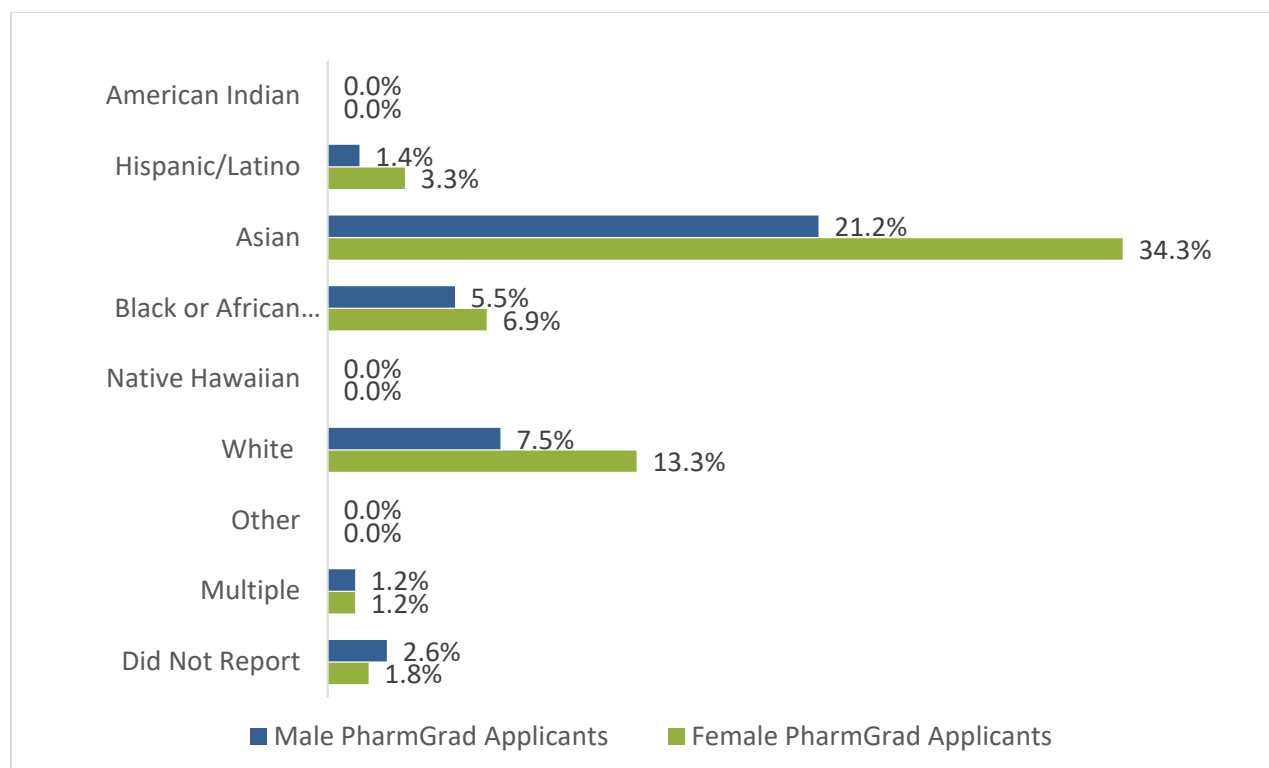
Figure 13: PharmGrad Applicants by Race/Ethnicity and Sex

RACE/ETHNICITY	2022-2023 Applicants in PharmGrad							
	MALE		FEMALE		UNKNOWN		TOTAL	
	#	%	#	%	#	%	#	%
American Indian	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino	7	1.4%	17	3.3%	0	0.0%	24	4.7%
Asian	108	21.2%	175	34.3%	0	0.0%	283	55.5%
Black or African American	28	5.5%	35	6.9%	0	0.0%	63	12.4%
Native Hawaiian	0	0.0%	0	0.0%	0	0.0%	0	0.0%
White	38	7.5%	68	13.3%	0	0.0%	106	20.8%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Multiple	6	1.2%	6	1.2%	0	0.0%	12	2.4%
Did Not Report	13	2.6%	9	1.8%	0	0.0%	22	4.3%
TOTAL	200	39.2%	310	60.8%	0	0.0%	510	100.0%

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

Figure 14: 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.

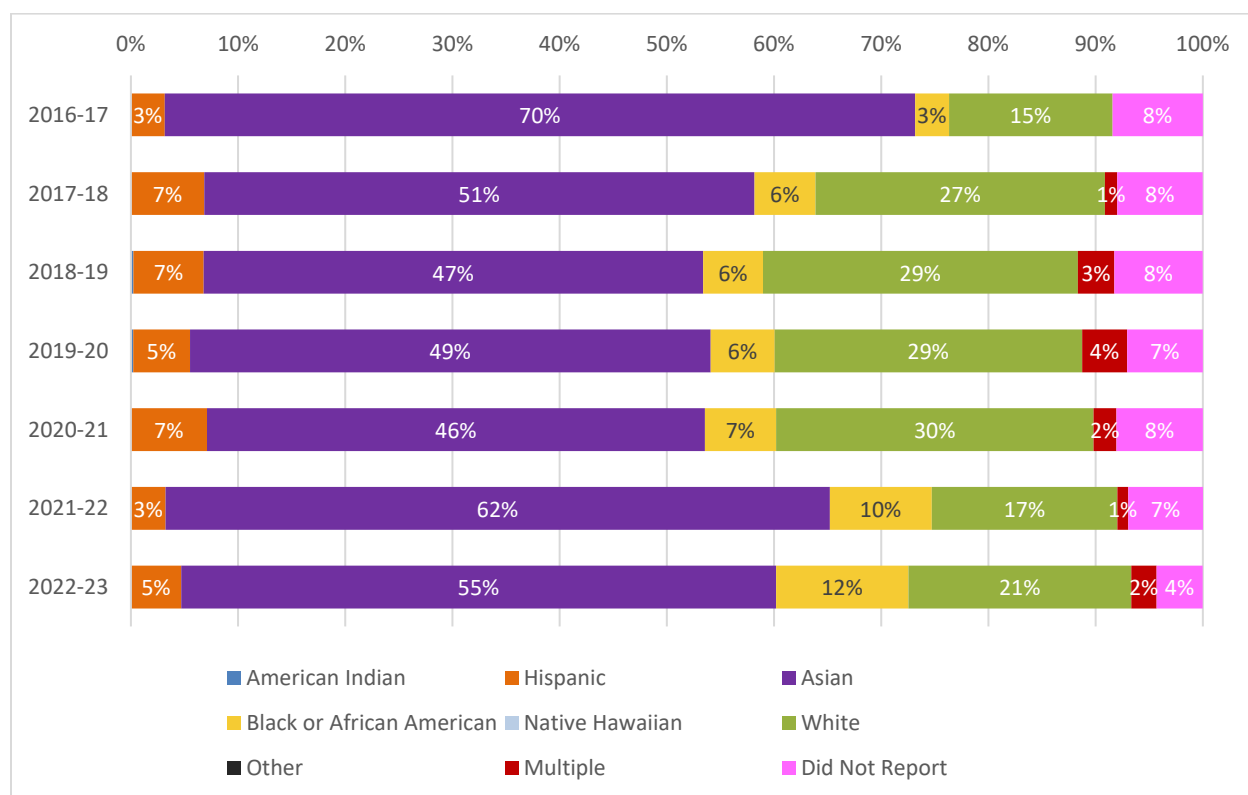
Figure 15: Percentage of PharmGrad Applicants by Race/Ethnicity and Sex

* 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 16: PharmGrad Applicants by Race/Ethnicity per Cycle (2017-2023)

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%
2022-23	0.00%	4.70%	55.49%	12.35%	0.00%	20.78%	0.00%	2.36%	4.31%

* Percentages were calculated based on the total number of PharmGrad applicants in the pool. Race/ethnicity categories in the table are mutually exclusive. The 2022-2023 data can also be found in Figure 12. Race/ethnicity data for the 2015-2016 cycle is not available.

Figure 17: Percentage of PharmGrad Applicants by Race/Ethnicity per Cycle (2017-2023)

* 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 2022-2023 data can also be found in Figure 12.

Figure 18: PharmGrad Applicants by All Race and Ethnicity Designations

Racial and ethnicity categories in the table and graph below are **not** mutually exclusive. Students could select multiple race and ethnicity designations.

RACE/ETHNICITY DESIGNATIONS	PharmGrad Applicants	
	#	%
American Indian	1	0.2%
Asian	293	57.5%
Black or African American	68	13.3%
Native Hawaiian	0	0.0%
Hispanic/Latino	24	4.7%
Other	0	0.0%
White	134	26.3%
Did Not Report	22	4.3%

CITIZENSHIP

Figure 19: PharmGrad Applicants by Citizenship Status

Citizenship Status	PharmGrad Applicants	
	#	%
U.S. Citizen	115	22.6%
Permanent U.S. Resident	11	2.2%
Temporary U.S. Resident	17	3.3%
Non Resident	162	31.8%
None	205	40.2%
Did Not Report	0	0.0%
TOTAL	510	100%

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

Figure 20: Percentage of PharmGrad Applicants by Citizenship Status

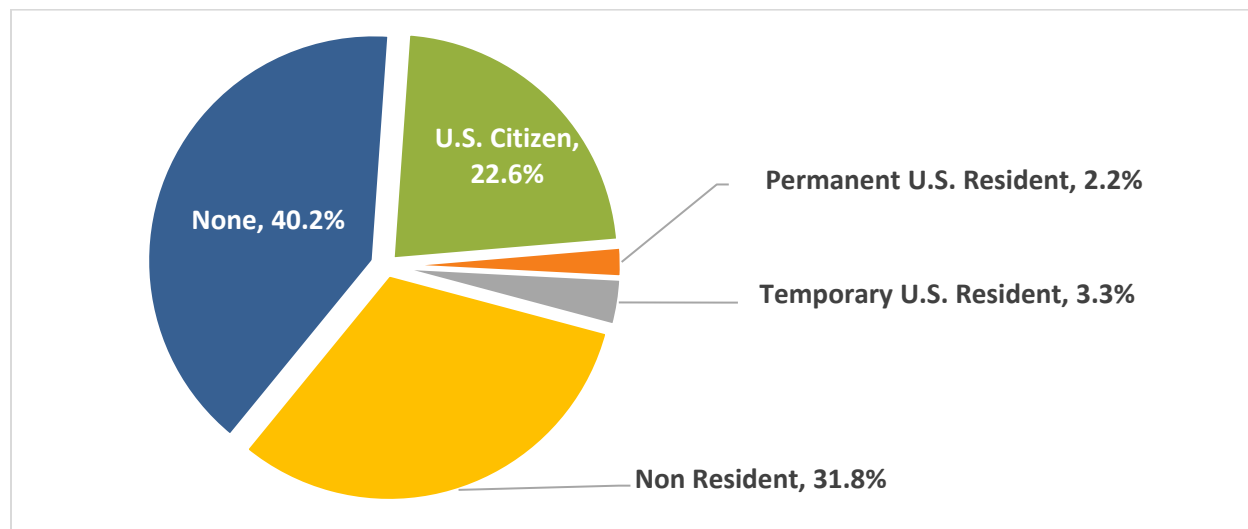


Figure 21: Country of Citizenship for PharmGrad Applicants

Country of Citizenship	PharmGrad Applicants	
	#	%
Argentina	1	0.20%
Bahamas, The	1	0.20%
Bangladesh	13	2.55%
Belarus	1	0.20%
Belgium	1	0.20%
Brazil	1	0.20%
Canada	2	0.39%
China	75	14.71%
Egypt	5	0.98%
Ghana	14	2.75%
Guatemala	1	0.20%
Hong Kong	1	0.20%
India	125	24.51%
Indonesia	0	0.00%
Iran (Islamic Republic of)	48	9.41%
Iraq	2	0.39%
Jordan	6	1.18%
Korea (the Republic of)	5	0.98%
Kuwait	1	0.20%
Kyrgyzstan	0	0.00%
Lebanon	0	0.00%
Libya	0	0.00%
Macao	1	0.20%
Nepal	7	1.37%
Nigeria	37	7.25%
Pakistan	2	0.39%
Philippines	2	0.39%
Russian Federation (the)	1	0.20%
Saudi Arabia	17	3.33%
Singapore	1	0.20%
South Africa	1	0.20%
Spain	1	0.20%
Sudan	1	0.20%
Taiwan (Province of China)	10	1.96%
Thailand	1	0.20%
Trinidad and Tobago	1	0.20%
Uganda	2	0.39%
United States	115	22.55%
Viet Nam	7	1.37%
TOTAL	510	100%

PERMANENT STATE OF RESIDENCY

Figure 22: PharmGrad Applicants by Permanent State of Residency

State or Province	PharmGrad Applicants	
	#	%
Arizona	3	0.59%
California	17	3.33%
Colorado	2	0.39%
Connecticut	3	0.59%
Florida	11	2.16%
Georgia	5	0.98%
Illinois	5	0.98%
Indiana	5	0.98%
International	338	66.27%
Iowa	1	0.20%
Kentucky	1	0.20%
Maine	2	0.39%
Maryland	7	1.37%
Massachusetts	36	7.06%
Michigan	4	0.78%
Mississippi	1	0.20%
Missouri	3	0.59%
Nebraska	2	0.39%
New Hampshire	1	0.20%
New Jersey	3	0.59%
New Mexico	1	0.20%
New York	9	1.76%
North Carolina	2	0.39%
Ohio	3	0.59%
Other/Unknown	13	2.55%
Pennsylvania	17	3.33%
Puerto Rico	5	0.98%
Rhode Island	1	0.20%
Tennessee	3	0.59%
Texas	1	0.20%
Utah	1	0.20%
Virginia	2	0.39%
Washington	1	0.20%
Wisconsin	1	0.20%
TOTAL	510	100%

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

Figure 23: Permanent State of Residency of PharmGrad Applicants Sorted by Volume

Rank	State or Province	#	%
1	International	338	66.27%
2	Massachusetts	36	7.06%
3	California	17	3.33%
4	Pennsylvania	17	3.33%
5	Other/Unknown	13	2.55%
6	Florida	11	2.16%
7	New York	9	1.76%
8	Maryland	7	1.37%
9	Georgia	5	0.98%
10	Illinois	5	0.98%
11	Indiana	5	0.98%
12	Puerto Rico	5	0.98%
13	Michigan	4	0.78%
14	Arizona	3	0.59%
15	Connecticut	3	0.59%
16	Missouri	3	0.59%
17	New Jersey	3	0.59%
18	Ohio	3	0.59%
19	Tennessee	3	0.59%
20	Colorado	2	0.39%
21	Maine	2	0.39%
22	Nebraska	2	0.39%
23	North Carolina	2	0.39%
24	Virginia	2	0.39%
25	Iowa	1	0.20%
26	Kentucky	1	0.20%
27	Mississippi	1	0.20%
28	New Hampshire	1	0.20%
29	New Mexico	1	0.20%
30	Rhode Island	1	0.20%
31	Texas	1	0.20%
32	Utah	1	0.20%
33	Washington	1	0.20%
34	Wisconsin	1	0.20%
35	Did Not Report	0	0.00%