

The PA Pipeline to Practice

Applicant and matriculant data from

CASPATM

A **descriptive** overview of recent CASPA data

PART

1

2016

2017

Applicant
characteristics

PART

2

2015

2016

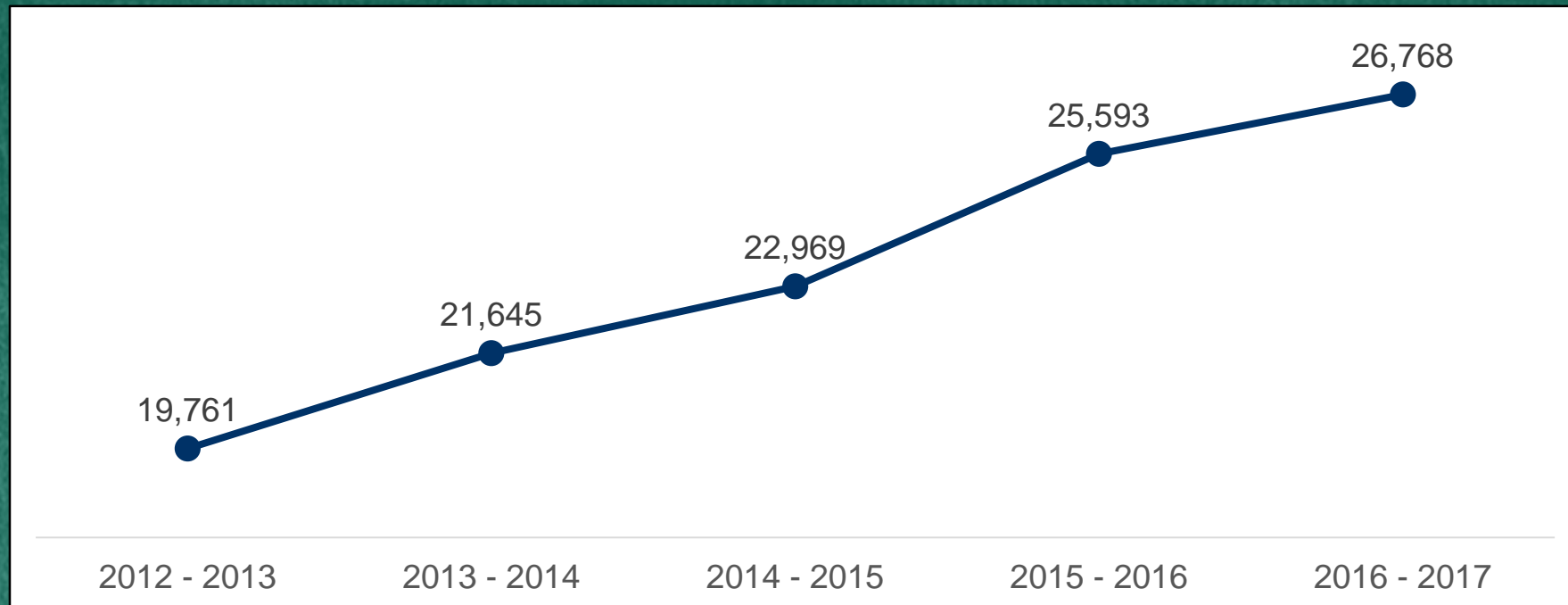
Comparison of
matriculants and
non-matriculants

Applicants

2016 – 2017

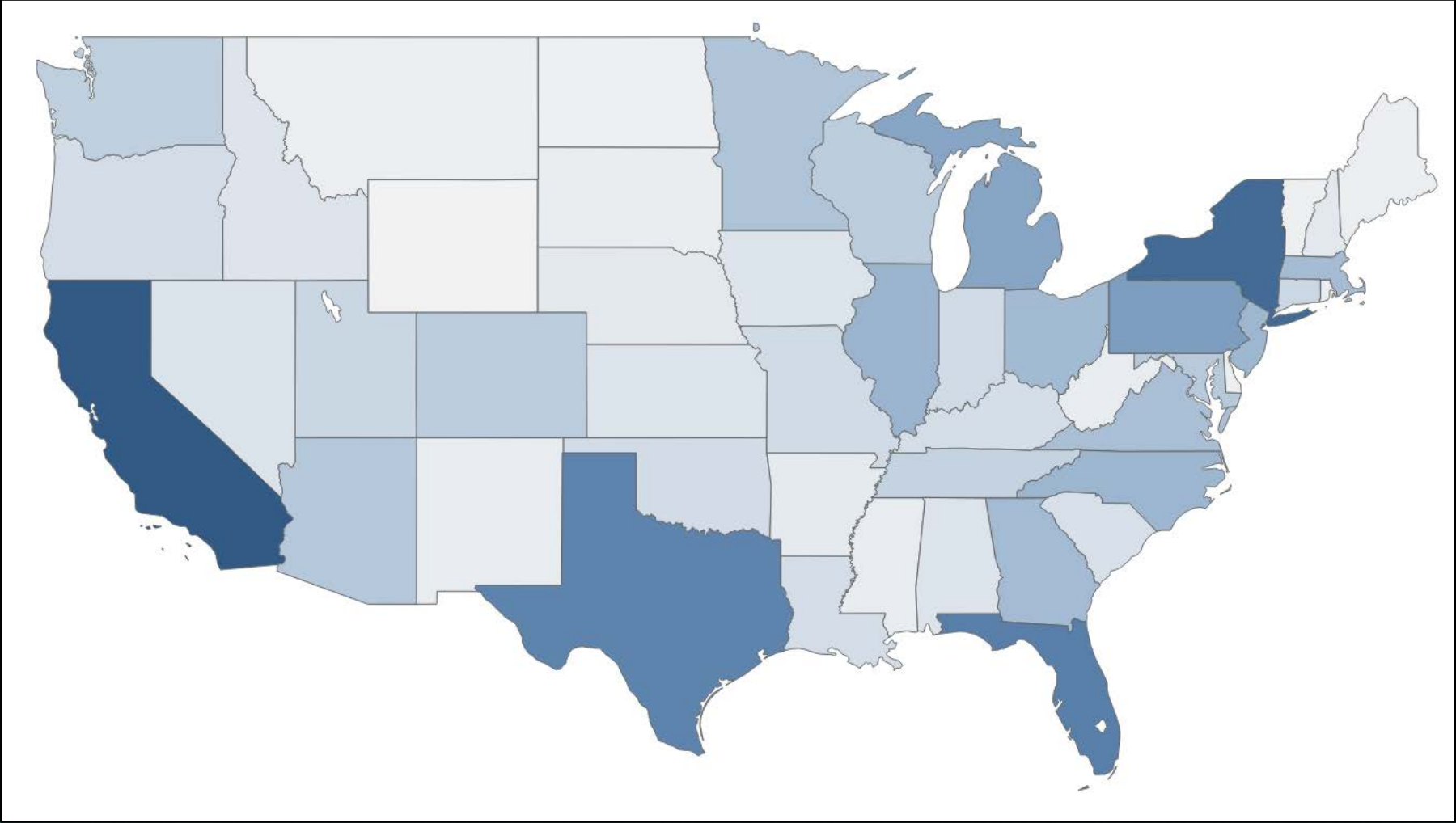
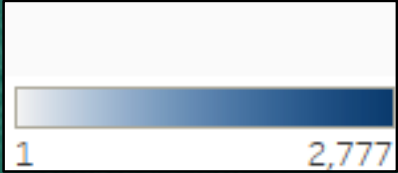
26,768

submitted applicants
in the
2016 – 2017 cycle



Applicants from 25 countries





Age

Average

25.9

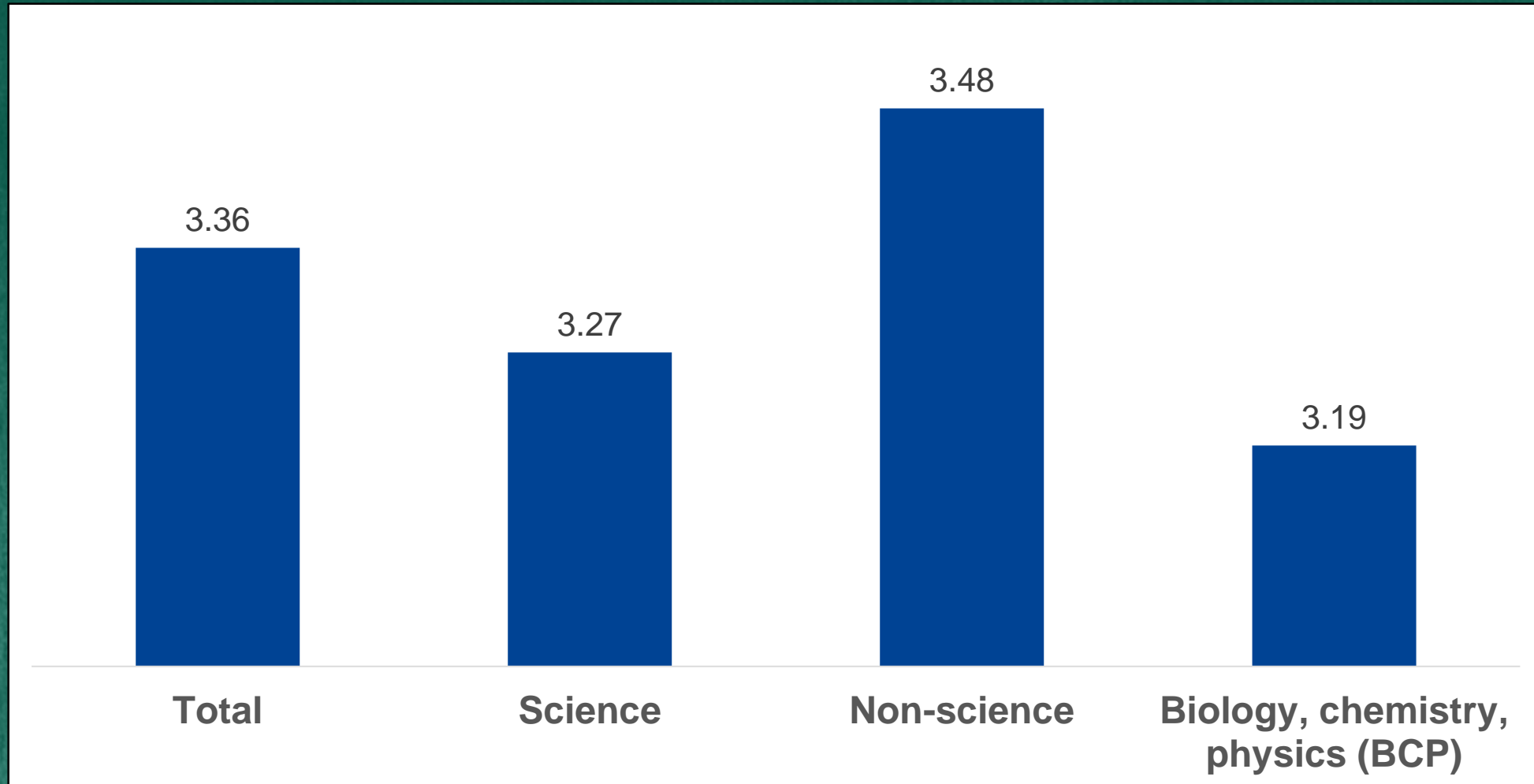
years

Median

24.0

years

Undergraduate GPAs

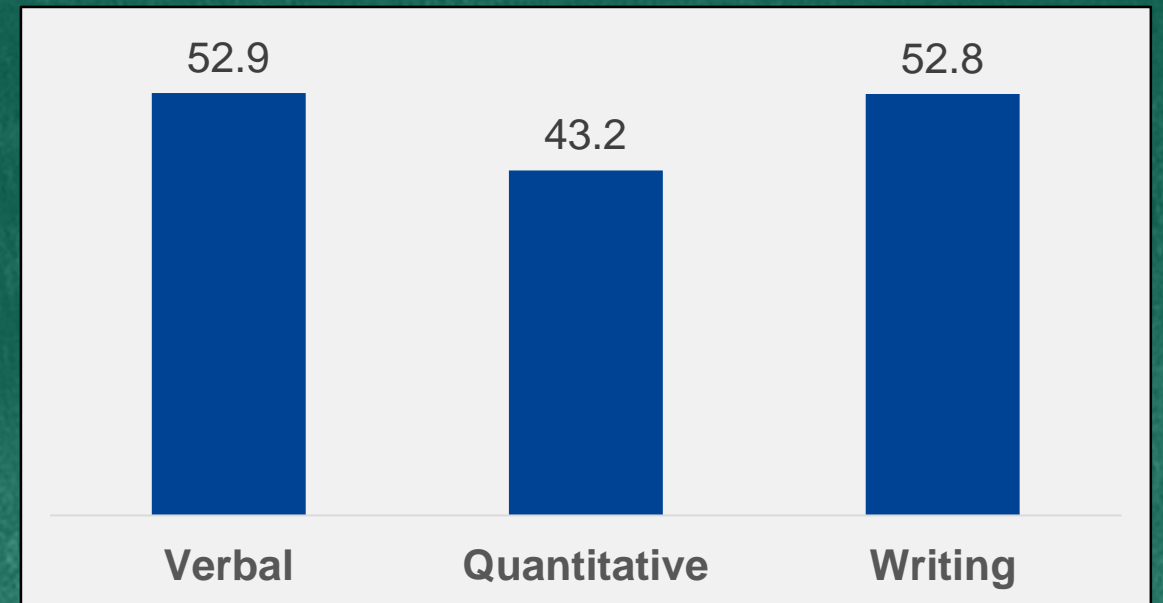


GREs

Scores

Section	Range	Average
Verbal	130 - 170	151.6
Quantitative	130 - 170	150.8
Writing	0 - 6	3.9

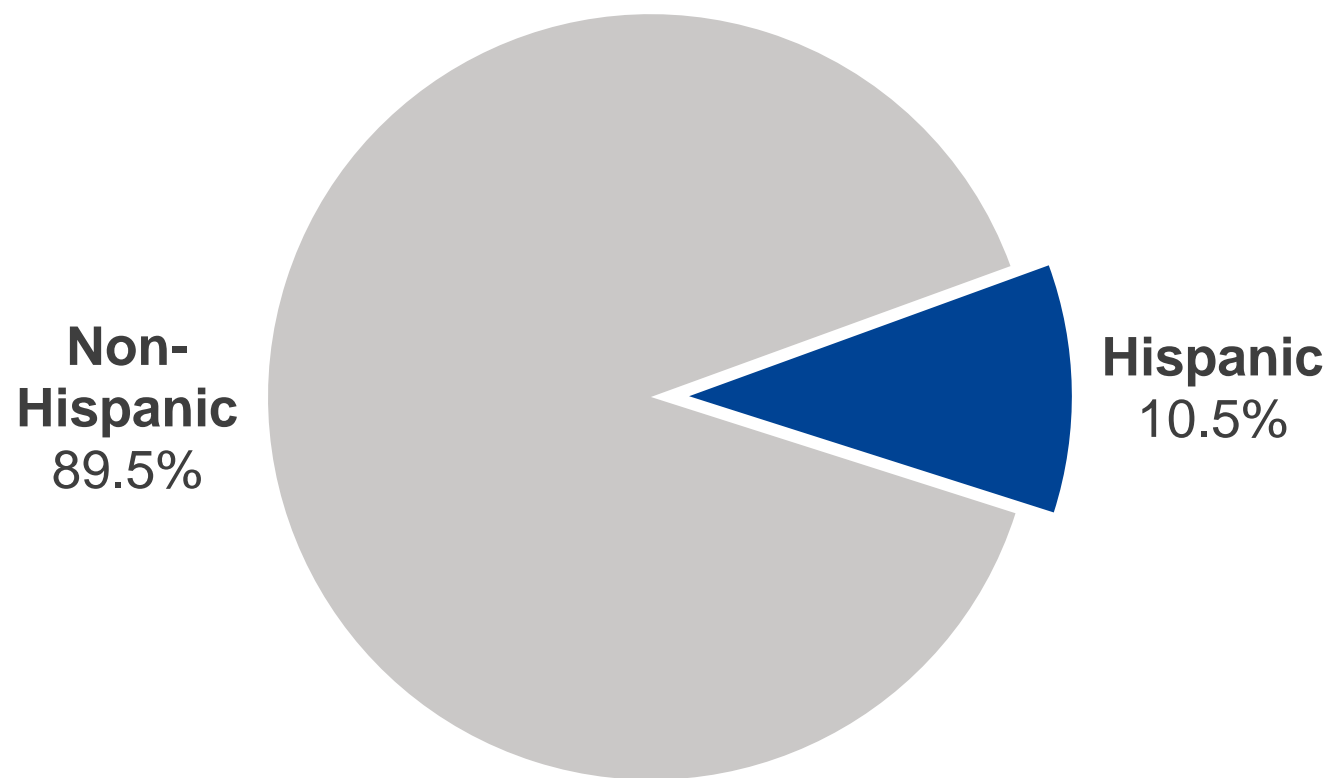
Percentiles



Gender



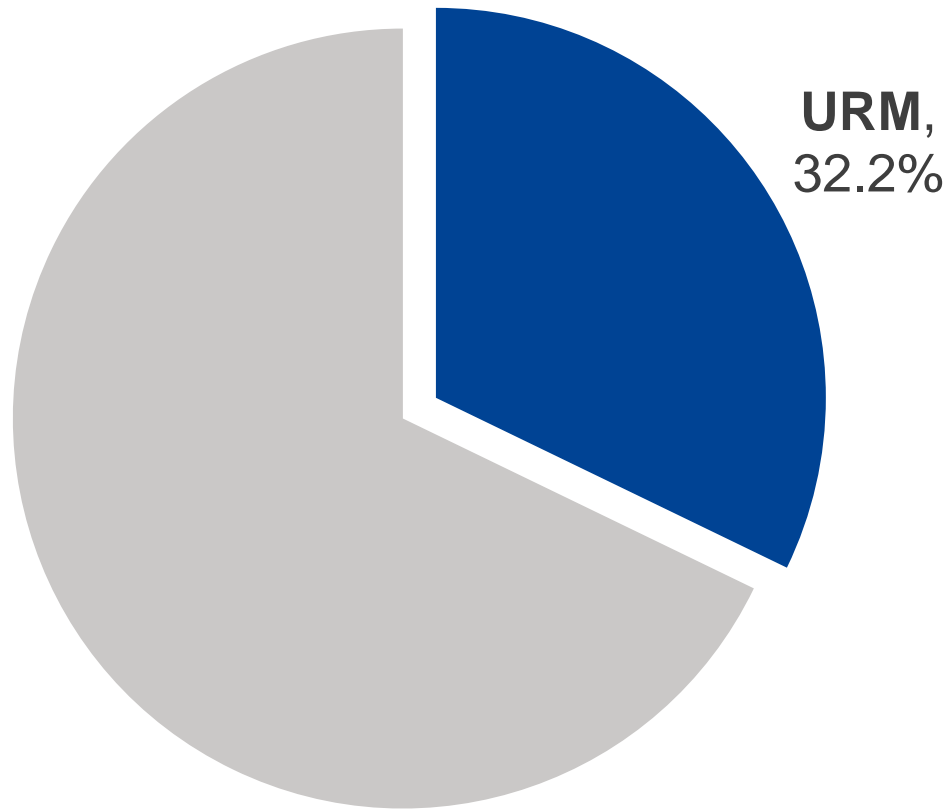
Ethnicity



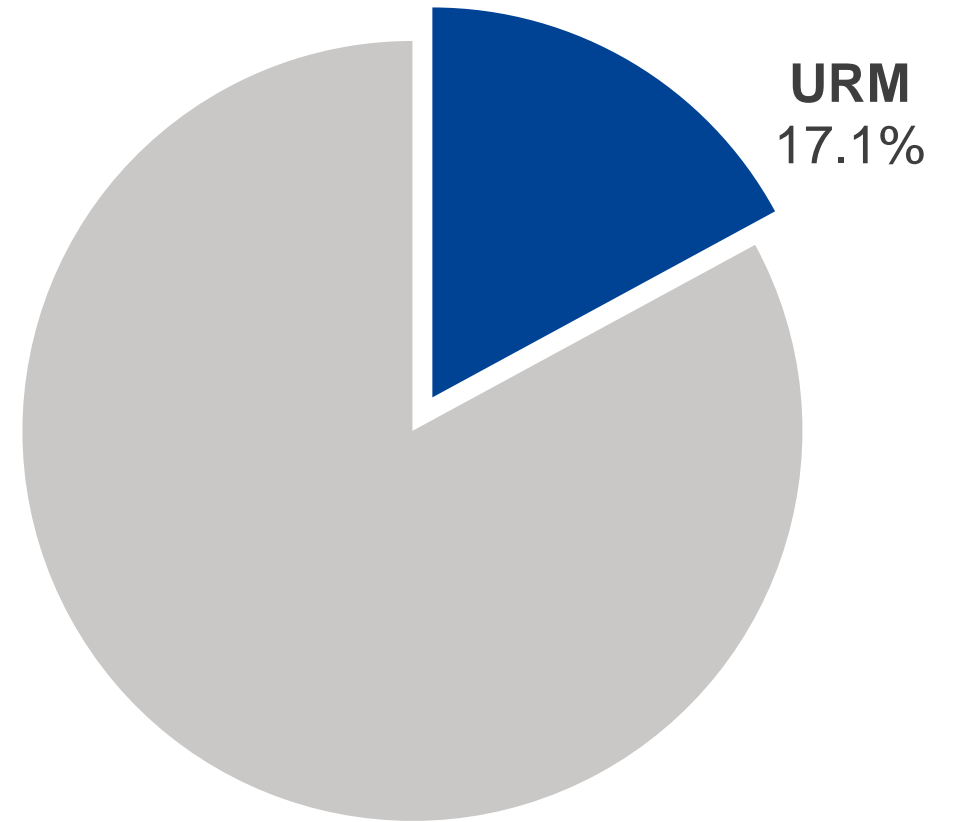
Race

Race	Applicants	%
White	17,499	74.4
Asian	3,233	13.7
Black or African American	1,725	7.3
Multiracial	934	4.0
American Indian or Alaskan Native	96	0.4
Native Hawaiian or Pacific Islander	44	0.2

Underrepresented minorities



Non-Hispanic Whites, 67.8%



Asians & Non-Hispanic Whites, 82.9%

Disadvantages

18.5%

reported
at least one
educational/
environmental
disadvantage

14.2%

considered their
family income
to be
economically
disadvantaged

Matriculants & Non-matriculants 2015 – 2016

25,593
submitted applicants



8,106
matriculants

31.7% of all applicants
matriculated into a PA program

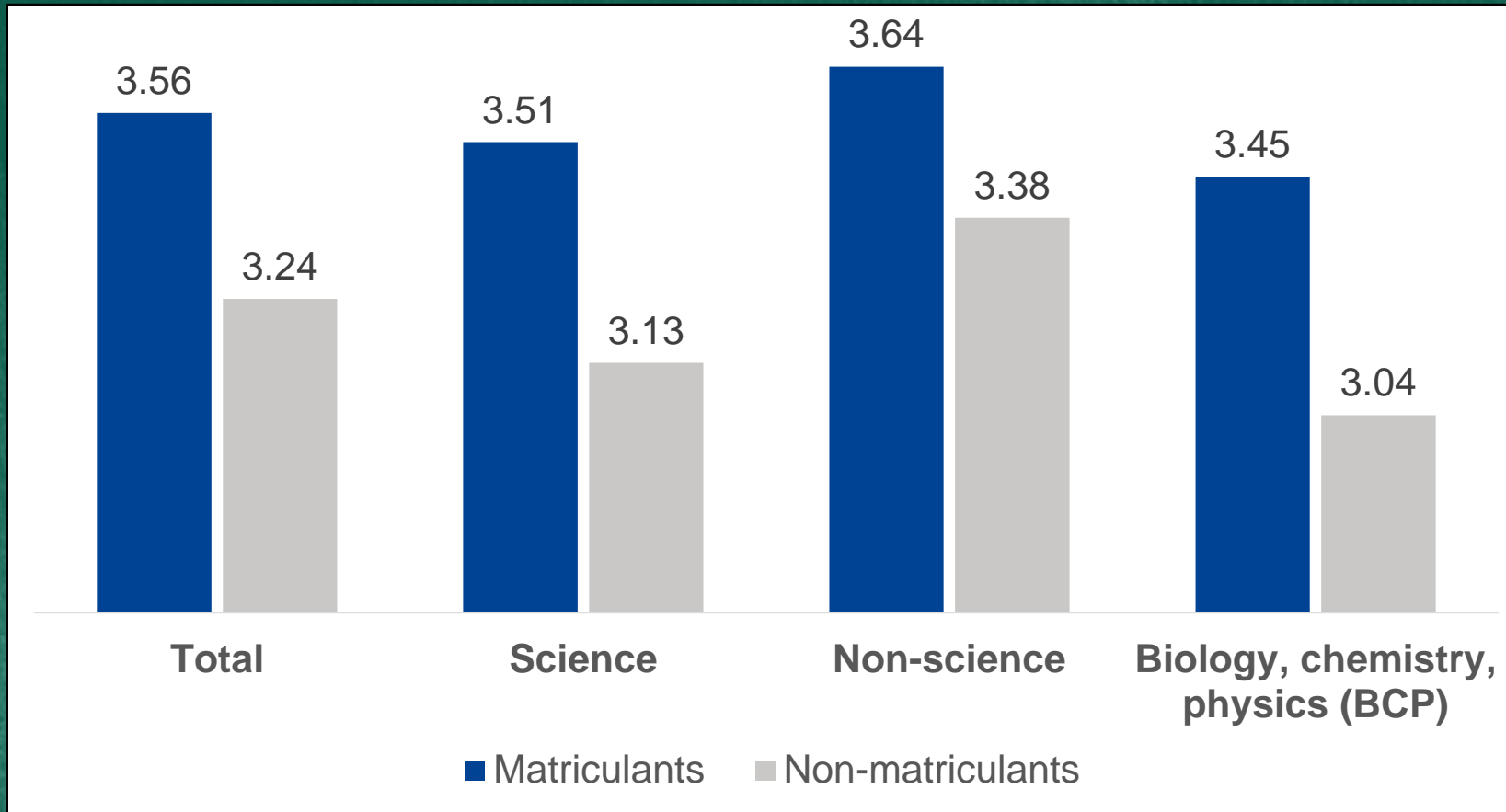
The average program's
matriculation rate was

6.2%

Age

	Mean	Median
Matriculants	25.0	23.0
Non-matriculants	26.5	24.0

Undergraduate GPAs

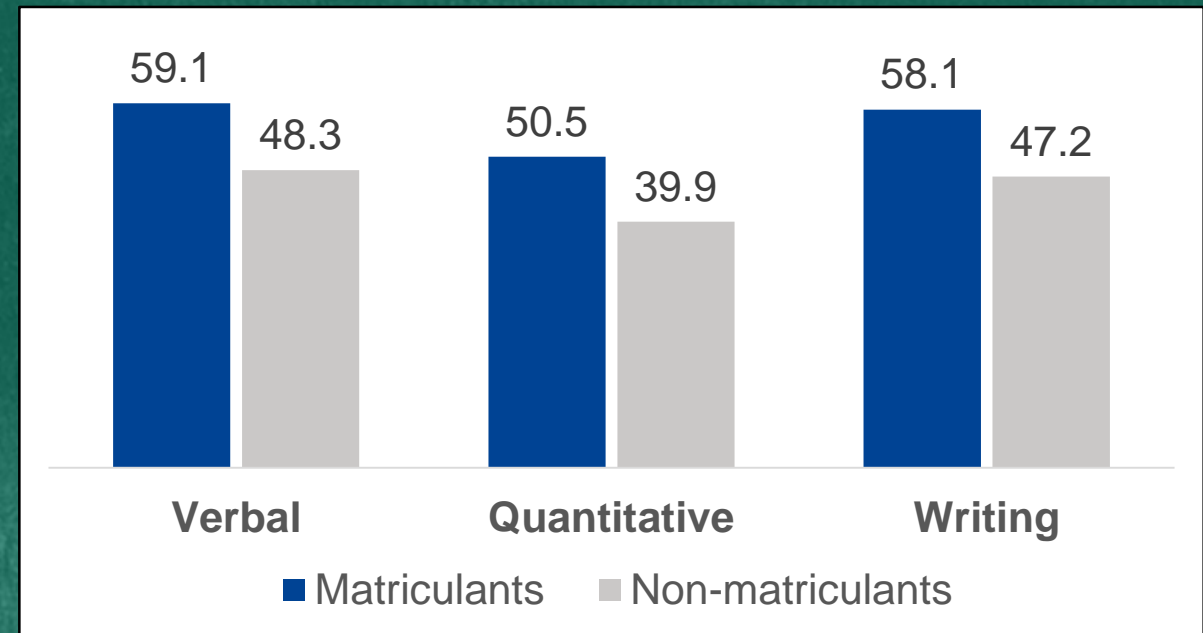


GREs

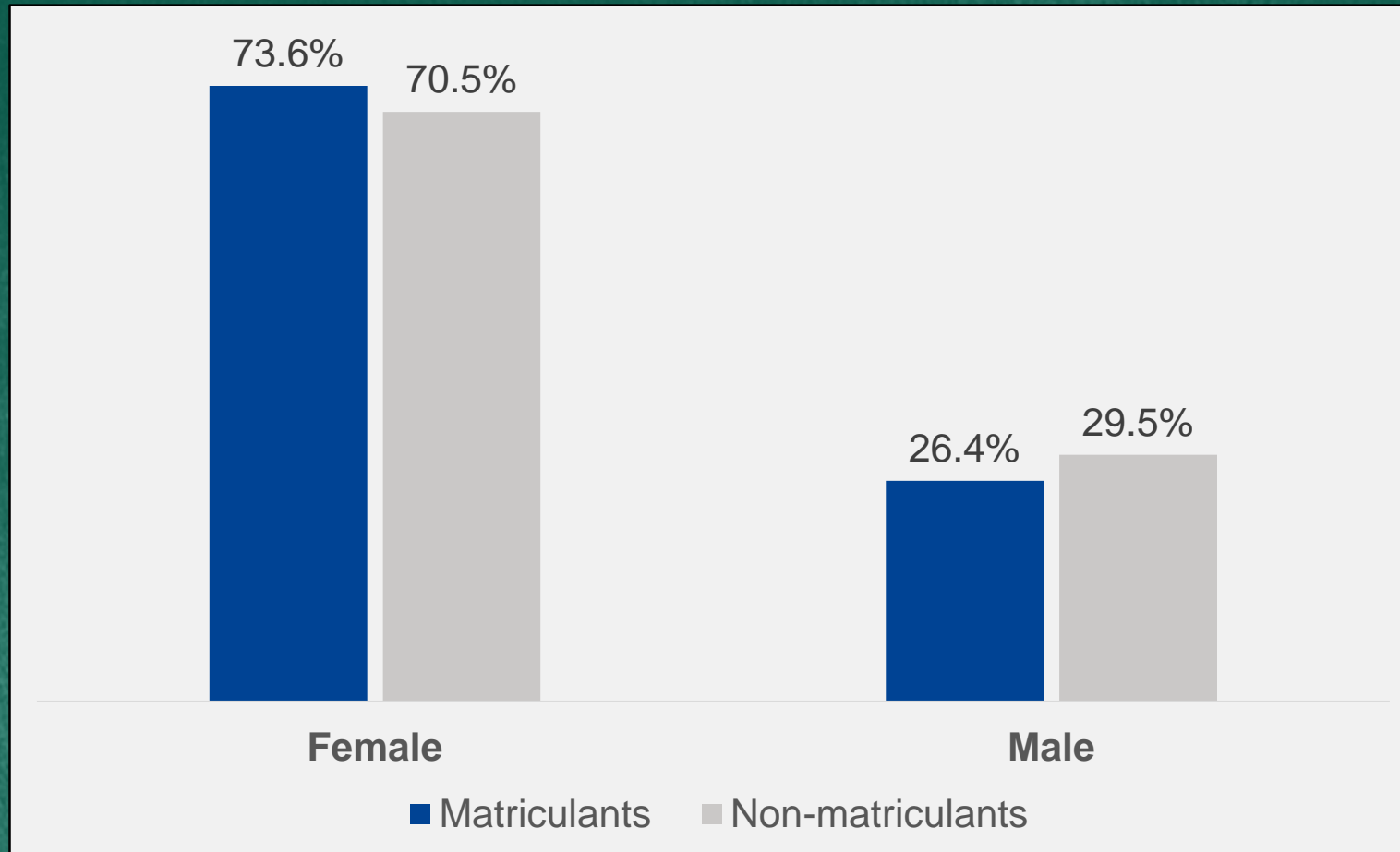
Scores

Section	Range	Matric.	Non-matric.
Verbal	130 - 170	153.5	150.5
Quant.	130 - 170	152.6	149.8
Writing	0 - 6	4.0	3.7

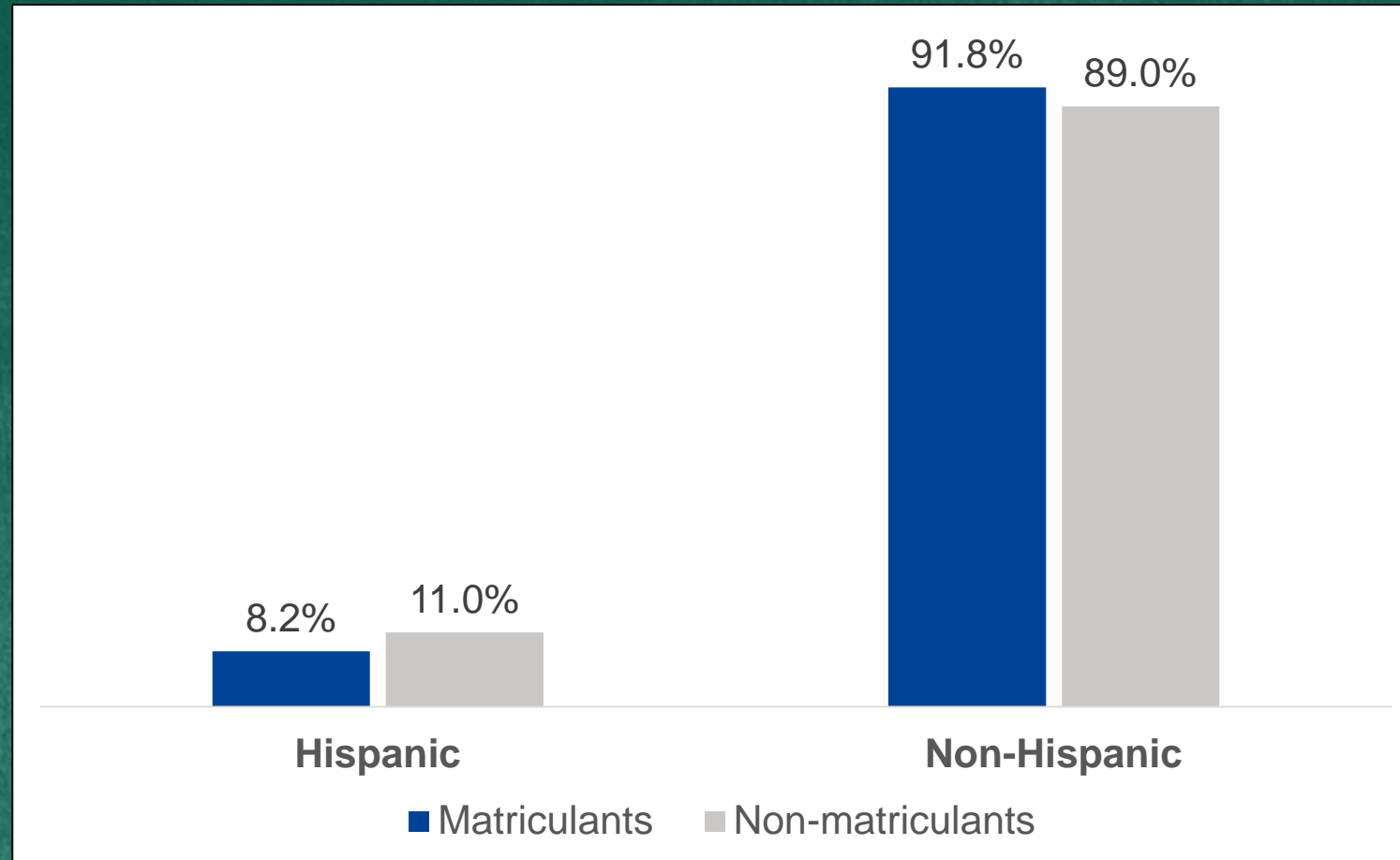
Percentiles



Gender



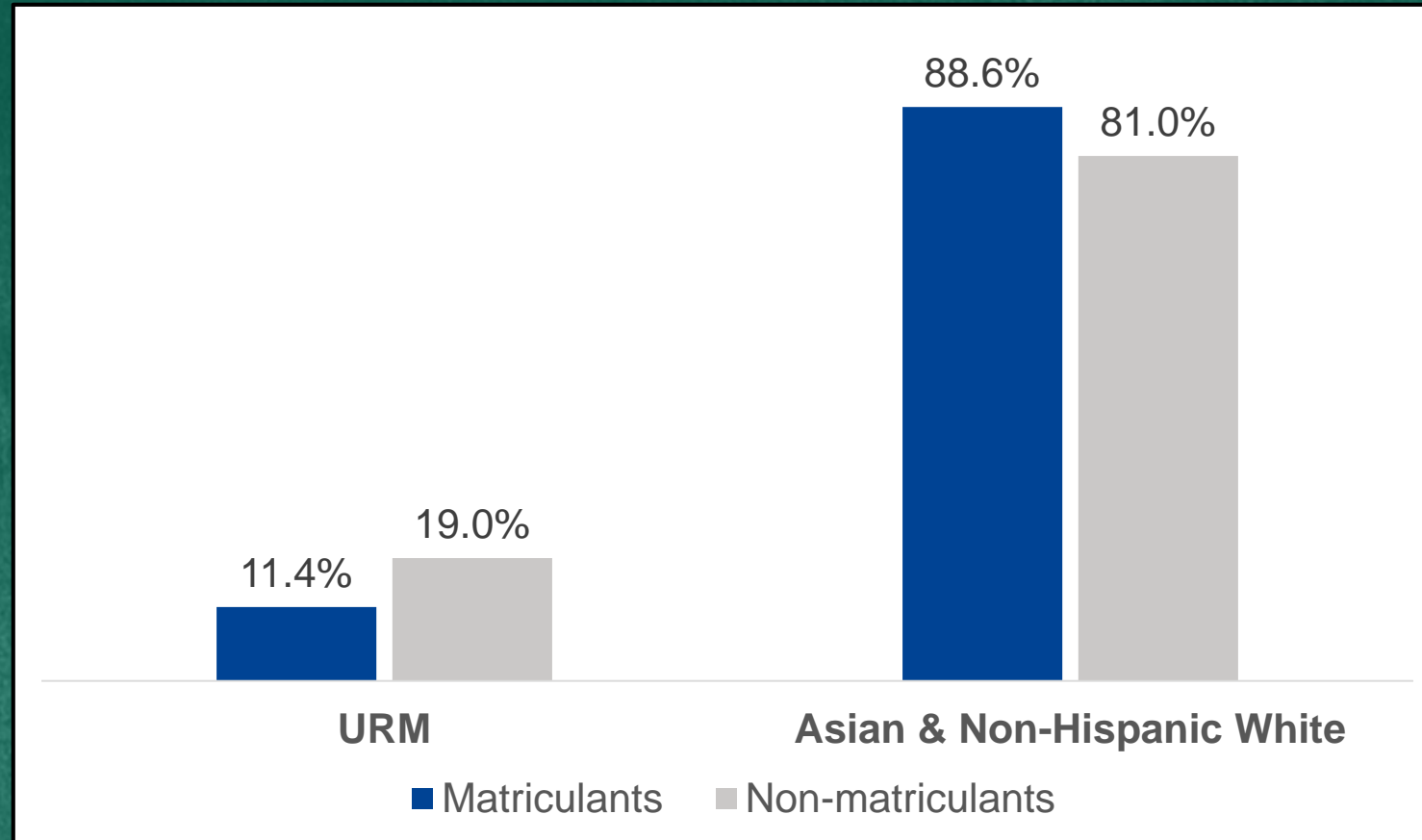
Ethnicity



Race

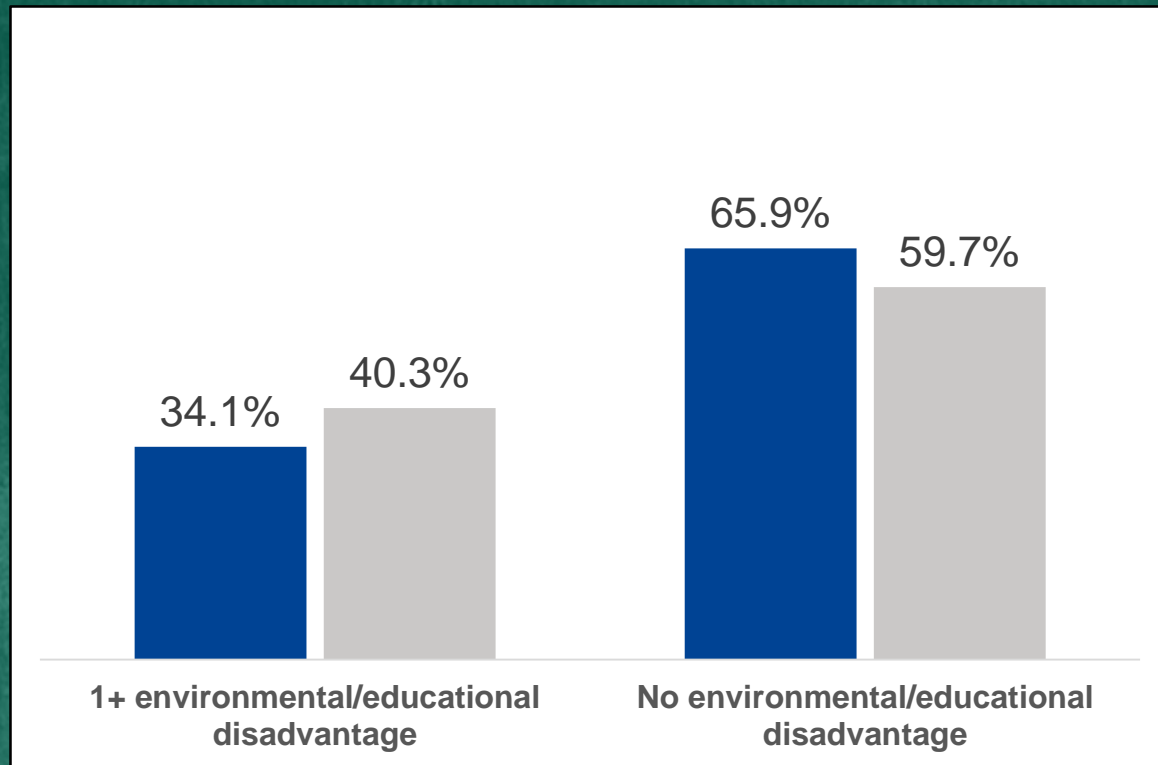
	<u>Matriculants</u>		<u>Non-matriculants</u>	
	<i>n</i>	%	<i>n</i>	%
White	6,001	83.3	10,994	71.7
Asian	669	9.3	2,273	14.8
Black or African American	255	3.5	1,433	9.3
Multiracial	244	3.4	529	3.5
American Indian or Alaskan Native	24	0.3	68	0.4
Native Hawaiian or Pacific Islander	7	0.1	33	0.2

Underrepresented minorities

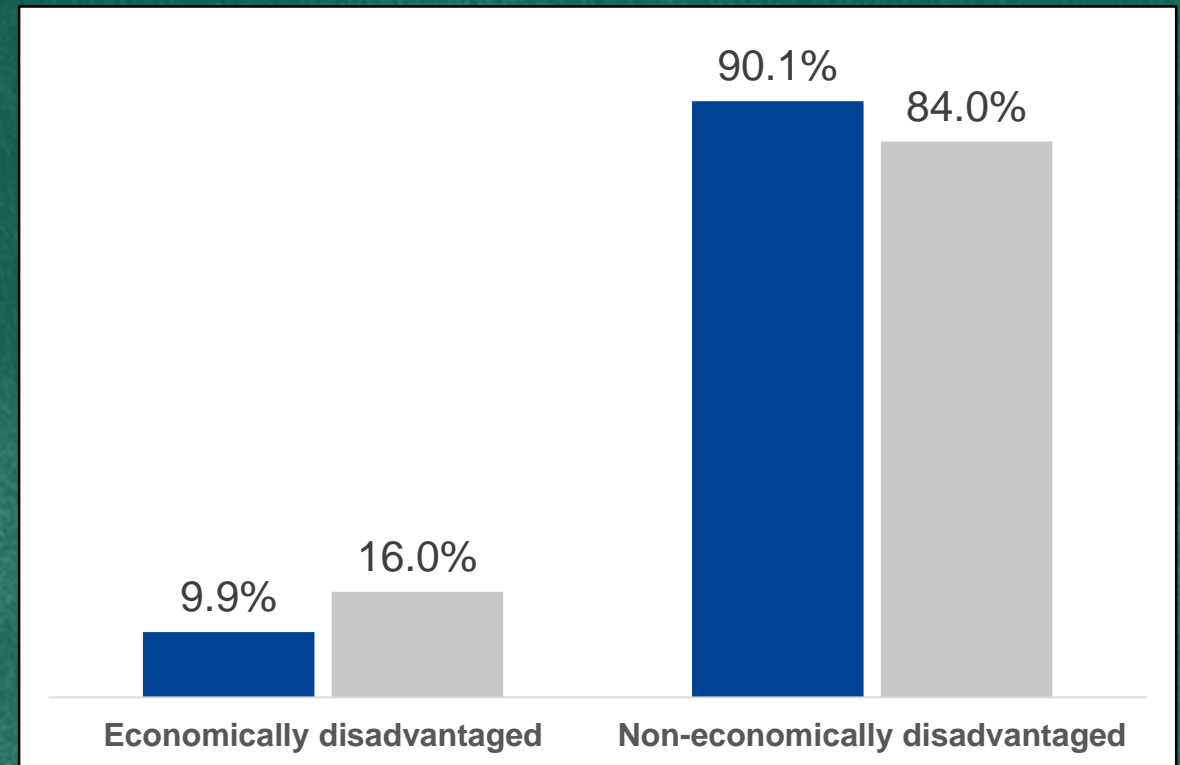


Disadvantages

1+ environmental or educational disadvantage



Family income economically disadvantaged



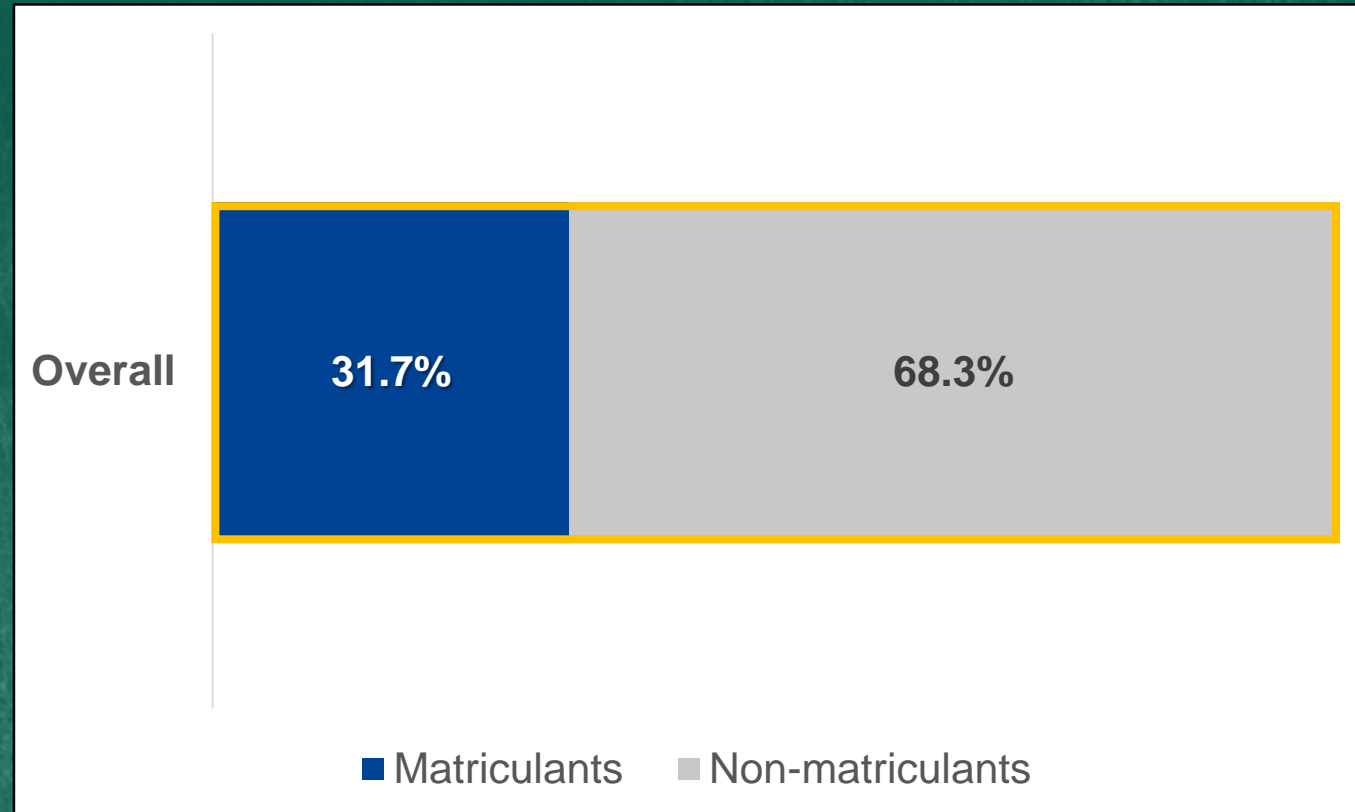
■ Matriculants ■ Non-matriculants

Matriculation rates

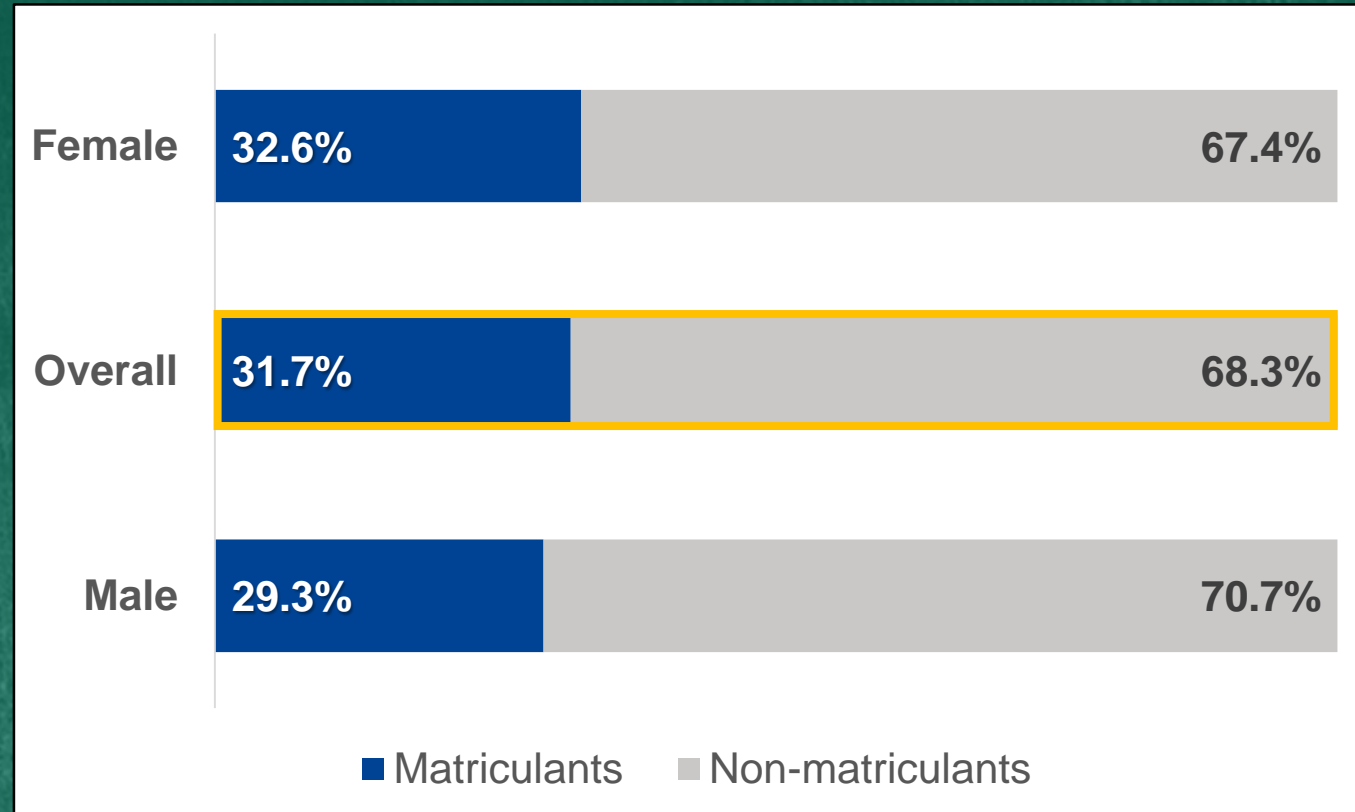
What percentage of
matriculants
belong to each
demographic group?

What percentage of each
demographic group
matriculated into
a PA program?

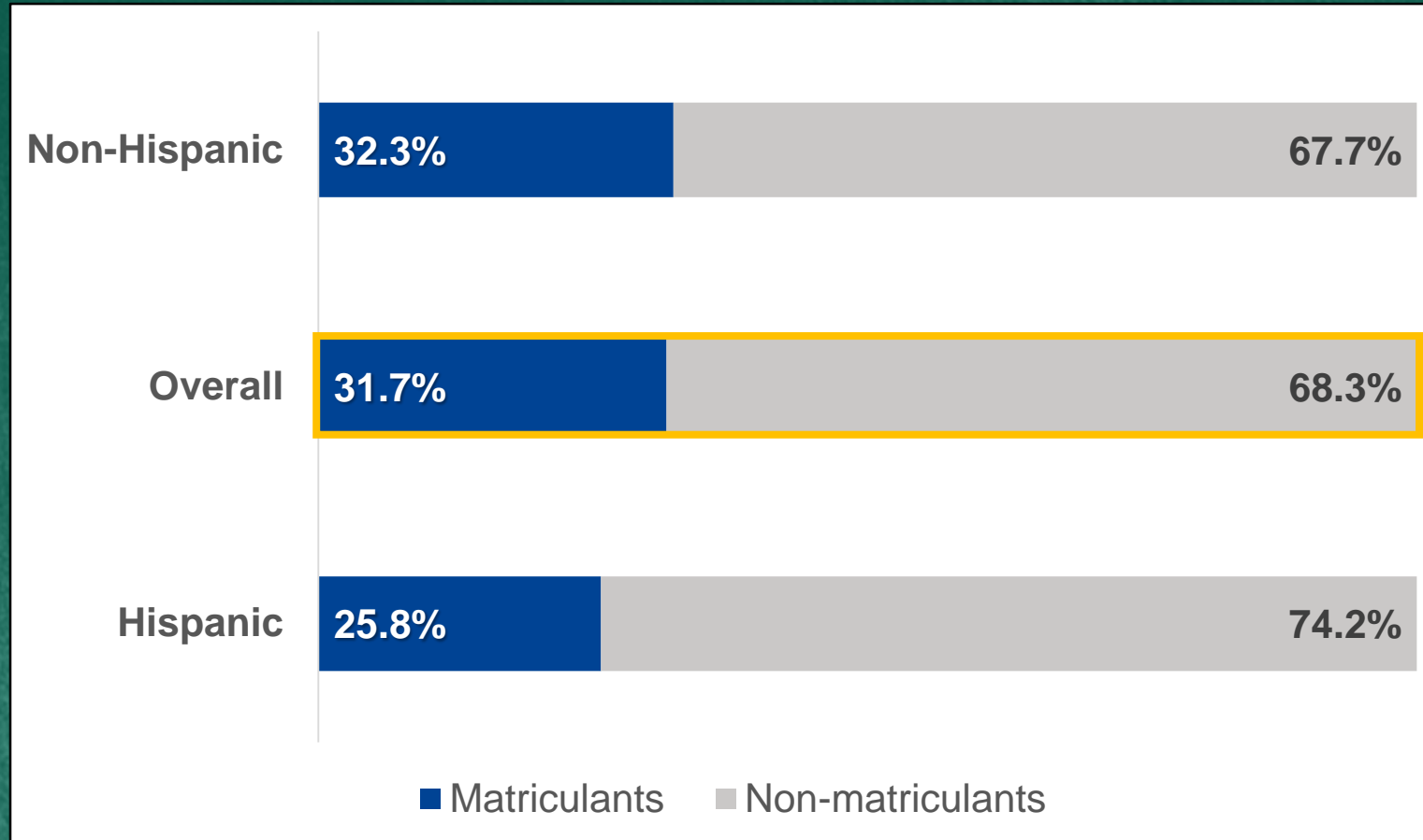
Overall matriculation rates



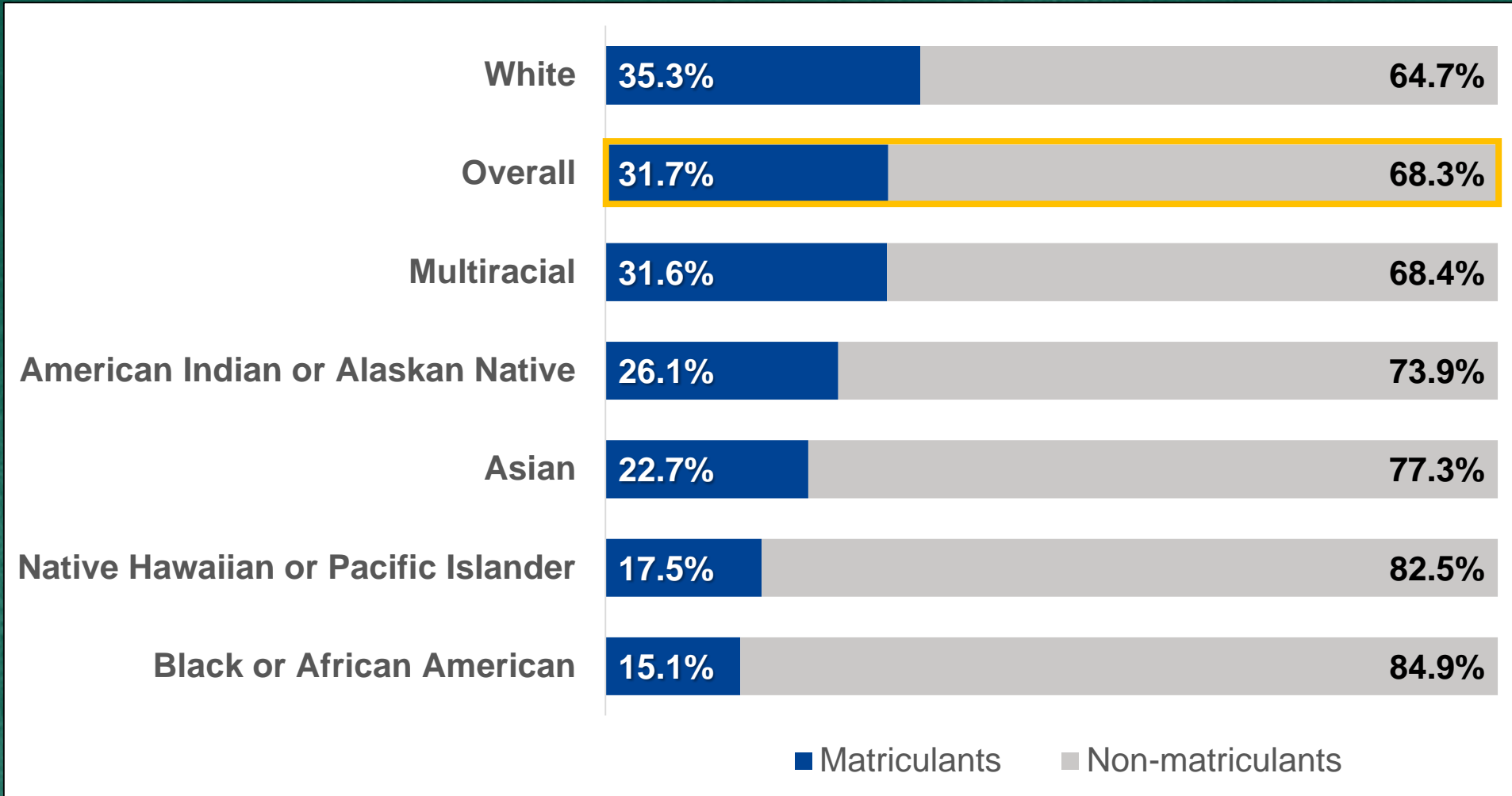
Gender & matriculation rates



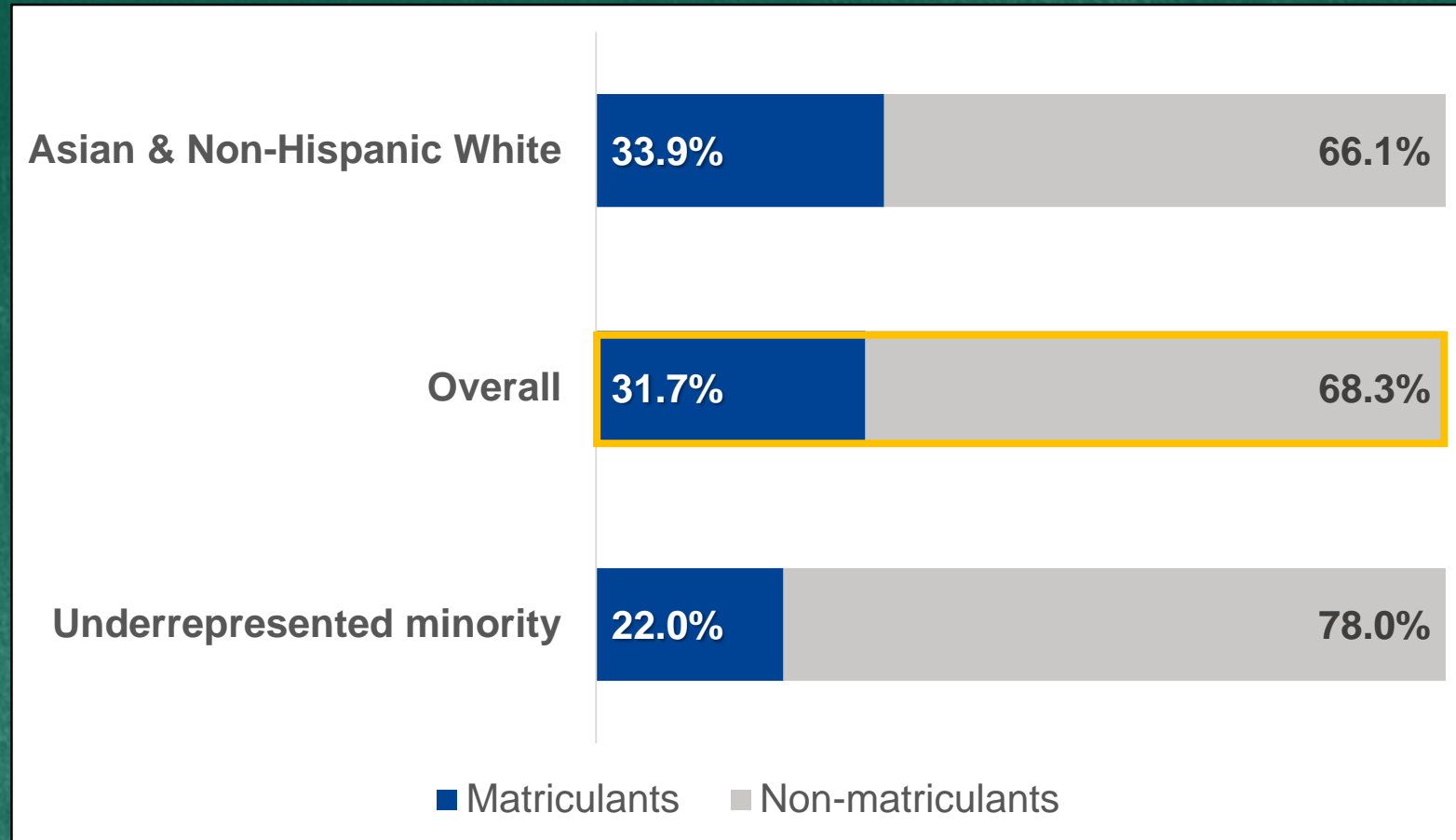
Ethnicity & matriculation rates



Race & matriculation rates

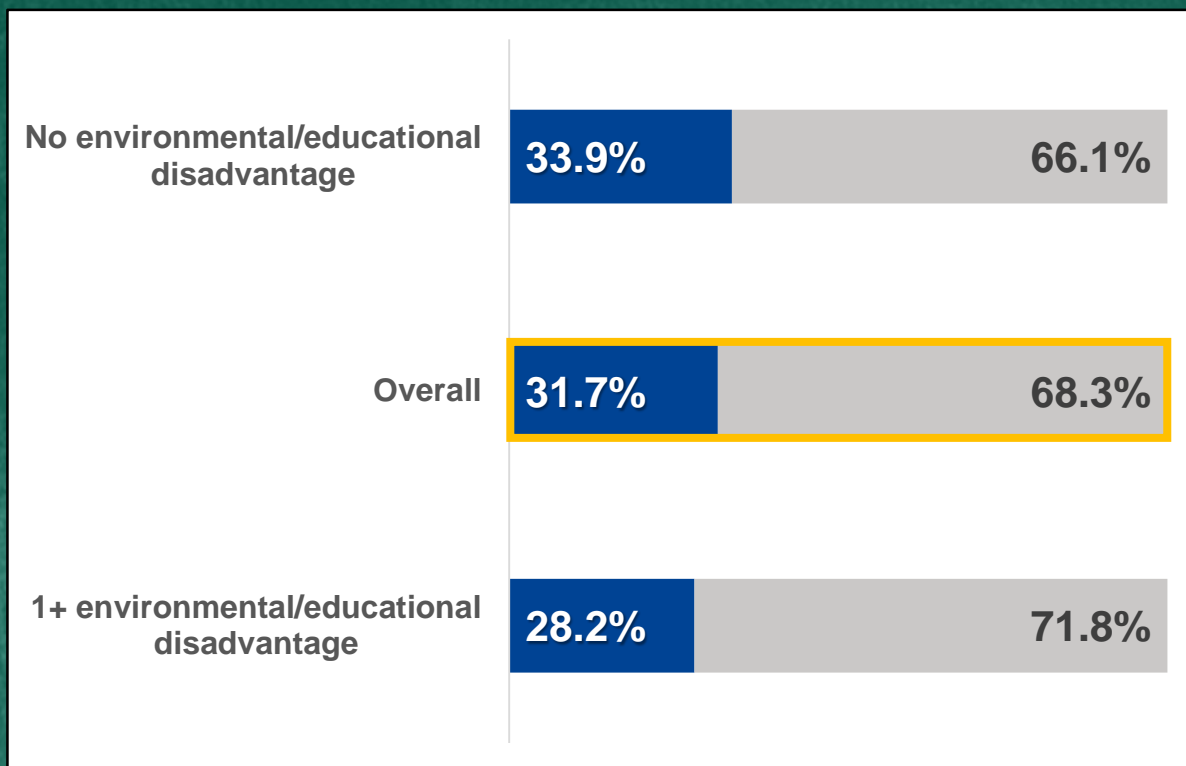


URMs & matriculation rates

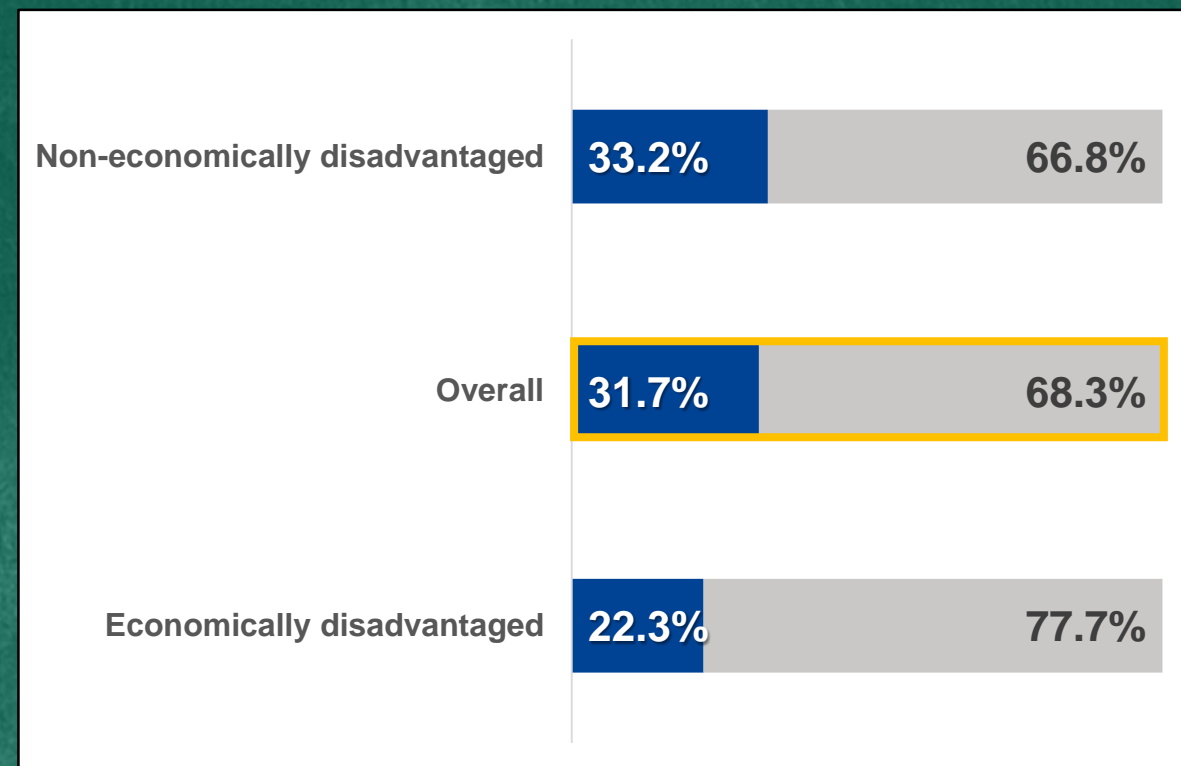


Disadv. & matriculation rates

1+ environmental or educational disadvantage



Family income economically disadvantaged



■ Matriculants ■ Non-matriculants

Matriculant summary

- Generally, PA student body reflects the composition of the applicant pool
 - Mostly White
 - Mostly non-environmentally and/or economically disadvantaged
- However, there are discrepancies in the matriculation rates of demographic subgroups
- There's still a lot of work to do!

Contact

Data

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Extra
slides

16-17 Military status

Military status	Applicants	%
Not a member of the military	22,011	82.2
Veteran	553	2.1
Military Dependent	378	1.4
Member of Reserve or National Guard	227	0.8
Active Duty	43	0.2
Other	97	0.4
No response	3,459	12.9

16-17 Race x ethnicity

	Applicants	%
Non-Hispanic White	15,960	67.8
Hispanic White	1,539	6.5
Hispanic Non-White	263	1.1

16-17 Race x gender

	Male	Female
White	4,881	12,616
Asian	863	2,370
Black or African American	514	1,211
Multiracial	259	675
American Indian or Alaskan Native	31	65
Native Hawaiian or Pacific Islander	14	30

16-17 GRE - Gender

	<u>Scores</u>		<u>Percentiles</u>	
	Male	Female	Male	Female
Verbal	152.4	151.3	55.8	51.8
Quantitative	151.7	150.5	46.6	42.0
Writing	3.8	3.9	50.2	53.7

16-17 GRE - Ethnicity

	<u>Scores</u>		<u>Percentiles</u>	
	Hisp.	Non-Hisp.	Hisp.	Non-Hisp
Verbal	150.1	151.8	47.1	53.5
Quantitative	148.7	151.0	35.6	44.1
Writing	3.7	3.9	46.8	53.5

16-17 GRE - Race

	<u>Scores</u>			<u>Percentiles</u>		
	Verbal	Quant.	Writing	Verbal	Quant.	Writing
White	152.0	151.0	3.9	54.3	44.0	54.4
Multiracial	152.1	151.0	3.9	54.3	43.8	54.9
Am. Ind.	151.3	151.3	3.8	51.5	35.0	49.3
Asian	150.2	150.2	3.8	48.0	47.1	50.8
Black	147.8	147.8	3.4	38.7	26.5	36.7
Native HI/PI	149.5	149.5	3.5	45.4	29.3	40.2

16-17 GRE - URM

	<u>Scores</u>		<u>Percentiles</u>	
	URM	Non-URM	URM	Non-URM
Verbal	149.4	151.9	44.8	54.0
Quantitative	147.8	151.4	32.8	45.1
Writing	3.6	3.9	44.1	54.4

Note: Non-URM = Asian and Non-Hispanic White

16-17 GRE - Env/edu disadv

	<u>Scores</u>		<u>Percentiles</u>	
	Disadv.	Non-disadv.	Disadv.	Non-disadv.
Verbal	150.5	151.8	48.6	53.8
Quantitative	149.3	151.1	37.7	44.4
Writing	3.7	3.9	47.6	53.9

Note: Applicants who reported 1+ HRSA indicator of educational/environmental disadvantage

16-17 GRE – Econ disadv

	<u>Scores</u>		<u>Percentiles</u>	
	Disadv.	Non-disadv.	Disadv.	Non-disadv.
Verbal	150.0	151.8	46.9	53.7
Quantitative	149.1	151.1	37.3	44.1
Writing	3.7	3.9	46.5	53.7

Note: Applicants who reported their family income is less than 200% federal poverty level

16-17 GPA - Gender

	Male	Female
Total	3.31	3.38
Science	3.27	3.27
Non-science	3.38	3.52
Biology, chemistry, physics (BCP)	3.20	3.19

16-17 GPA - Ethnicity

	Hispanic	Non-Hisp.
Total	3.28	3.37
Science	3.18	3.28
Non-science	3.39	3.49
Biology, chemistry, physics (BCP)	3.10	3.20

16-17 GPA - Race

	Total	Science	Non-science	BCP
White	3.41	3.32	3.52	3.24
Multiracial	3.33	3.23	3.44	3.14
Am. Ind.	3.27	3.17	3.38	3.06
Asian	3.30	3.18	3.45	3.12
Black	3.15	3.03	3.29	2.96
Native HI/PI	3.14	3.06	3.24	2.96

16-17 GPA - URM

	URM	Non-URM
Total	3.24	3.40
Science	3.13	3.30
Non-science	3.37	3.51
Biology, chemistry, physics (BCP)	3.05	3.22

Note: Non-URM = Asian and Non-Hispanic White

16-17 GPA – Env/edu disadv

	Disadv.	Non-disadv.
Total	3.29	3.38
Science	3.19	3.28
Non-science	3.41	3.50
Biology, chemistry, physics (BCP)	3.12	3.21

Note: Applicants who reported 1+ HRSA indicator of educational/environmental disadvantage

16-17 GPA – Econ disadv

	Disadv.	Non-disadv.
Total	3.30	3.37
Science	3.19	3.28
Non-science	3.42	3.49
Biology, chemistry, physics (BCP)	3.13	3.20

Note: Applicants who reported their family income is less than 200% federal poverty level

16-17 Disadv - Gender

	Educational/environmental <u>disadvantage</u>		Economically disadvantaged (%)
	% report disadvantage	# disadvantages	
Male	20.6	2.91	15.6
Female	17.7	2.82	13.6

16-17 Disadv - Ethnicity

	Educational/environmental <u>disadvantage</u>		Economically disadvantaged (%)
	% report disadvantage	# disadvantages	
Hisp.	35.7	3.14	28.3
Non-Hisp.	16.5	2.77	12.5

16-17 Disadv - Ethnicity

	Educational/environmental <u>disadvantage</u>		Economically disadvantaged (%)
	% report disadvantage	# disadvantages	
Hisp.	35.7	3.14	28.3
Non-Hisp.	16.5	2.77	12.5

16-17 Disadv - Race

	Educational/environmental <u>disadvantage</u>		Economically disadvantaged (%)
	% report disadvantage	# disadvantages	
White	15.5	2.72	9.4
Multiracial	23.1	2.97	17.9
Am. Ind.	45.8	2.91	21.9
Asian	23.4	2.84	24.1
Black	36.5	3.13	31.3
Native HI/PI	29.5	2.69	20.5

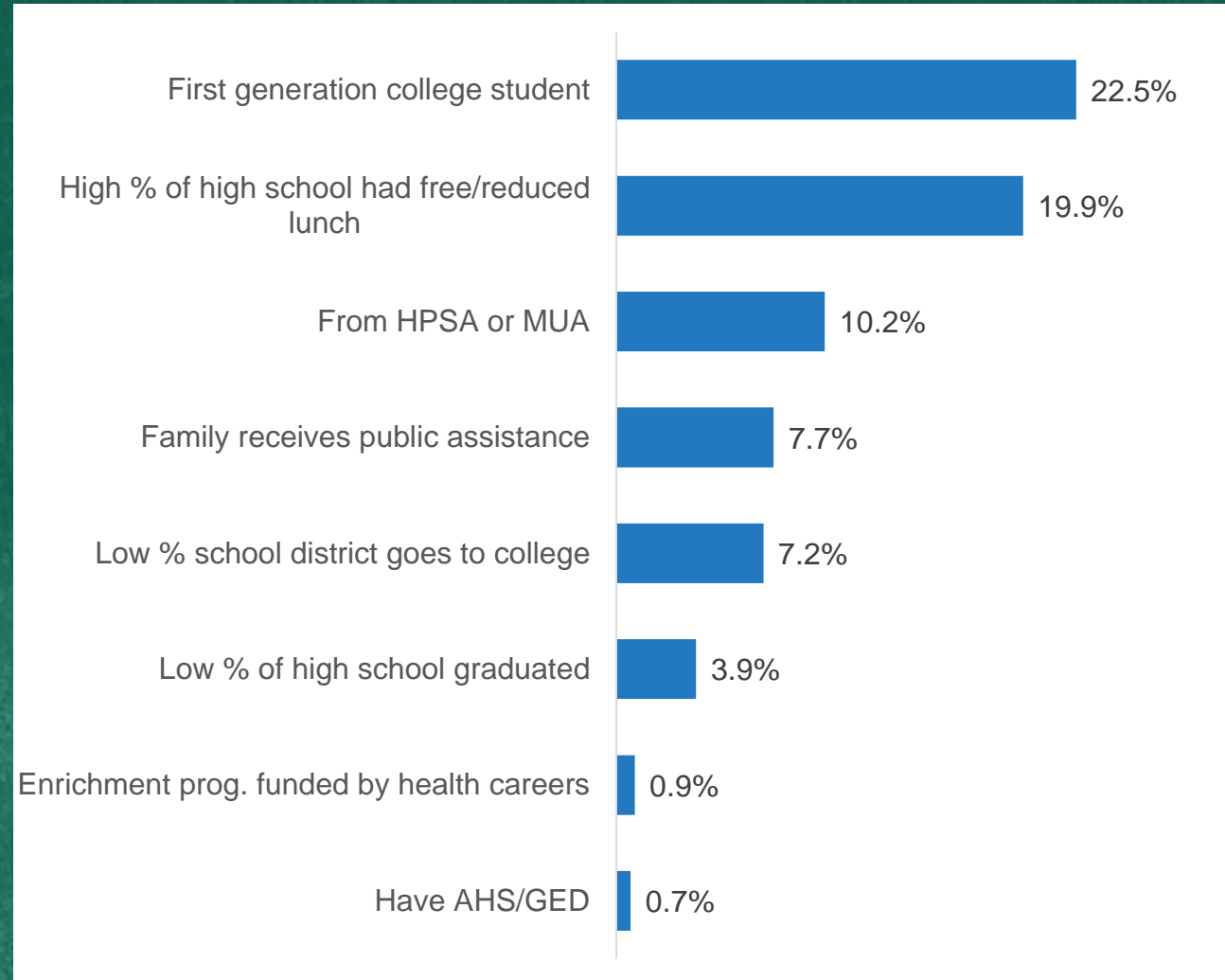
16-17 Disadv - URM

	Educational/environmental <u>disadvantage</u>		Economically disadvantaged (%)
	% report disadvantage	# disadvantages	
URM	33.1	3.08	26.7
Non-URM	14.7	2.7	10.7

Note: Non-URM = Asian and Non-Hispanic White

16-17 HRSA indicators

- I am the first generation in my family to attend college(neither my mother nor my father attended college).
- I graduated from a high school at which many of the enrolled students are eligible for free or reduced price lunches.
- I am from a family that lives in an area that is designated as a Health Professional Shortage Area or a Medically Underserved Area.
- I am from a family that receives public assistance (e.g. Aid to Families with Dependent Children, food stamps, Medicaid, public housing) or I receive public assistance.
- I am from a school district where 50 or less of graduates go to college or where college education is not encouraged.
- I graduated from a high school from which a low percentage of seniors receive a high school diploma.
- I participated in an academic enrichment program funded in whole or in part by the Health Careers Opportunity Program.
- I am a high-school drop-out who received AHS diploma or GED.

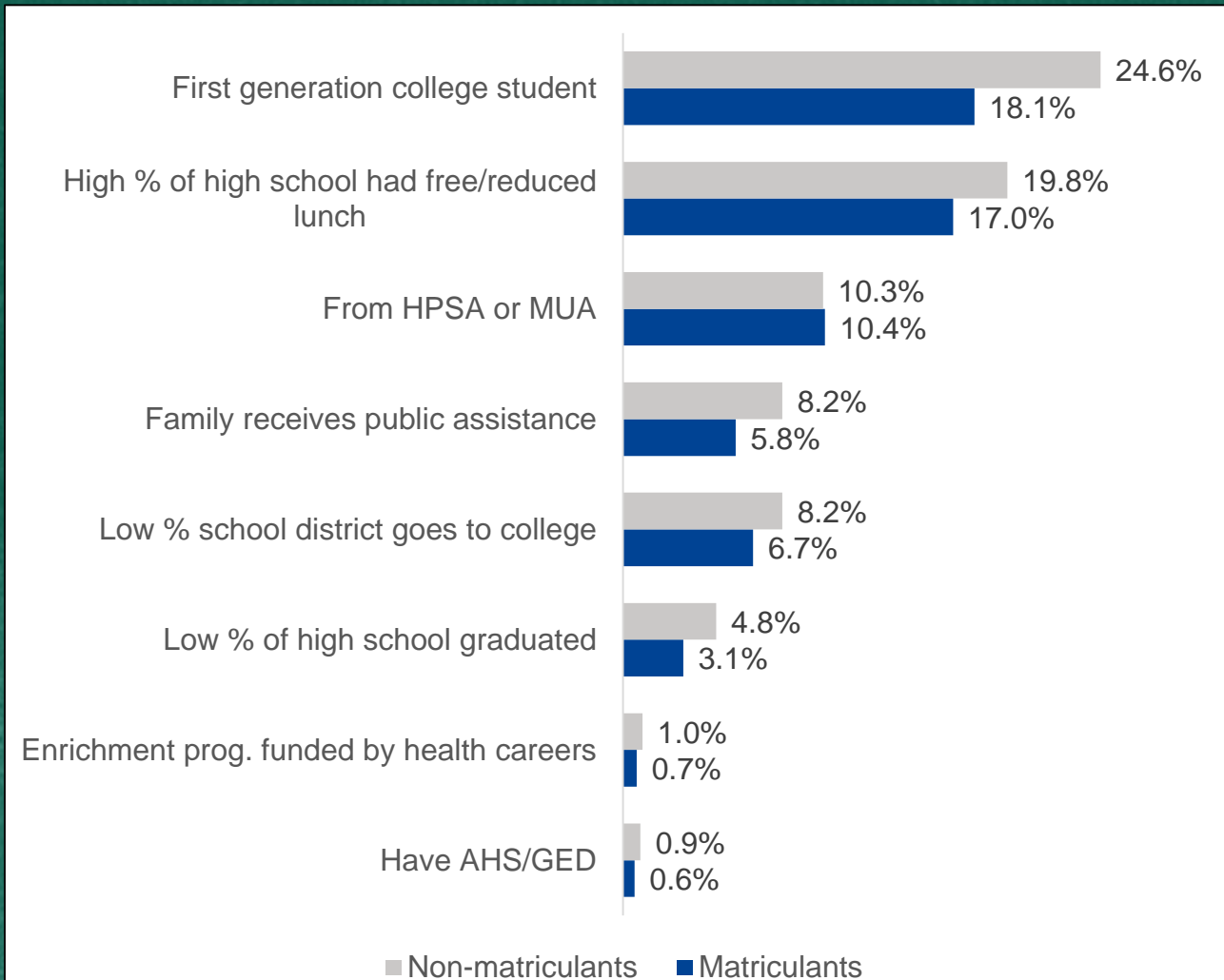


15-16 Military status

Military status	Matric.	Non-matric.
Not a member of the military	79.6%	81.1%
Veteran	2.1%	2.4%
Military Dependent	1.6%	1.2%
Member of Reserve or National Guard	0.9%	1.0%
Active Duty	0.2%	0.1%
Other	0.4%	0.3%
No response	15.1%	13.1%

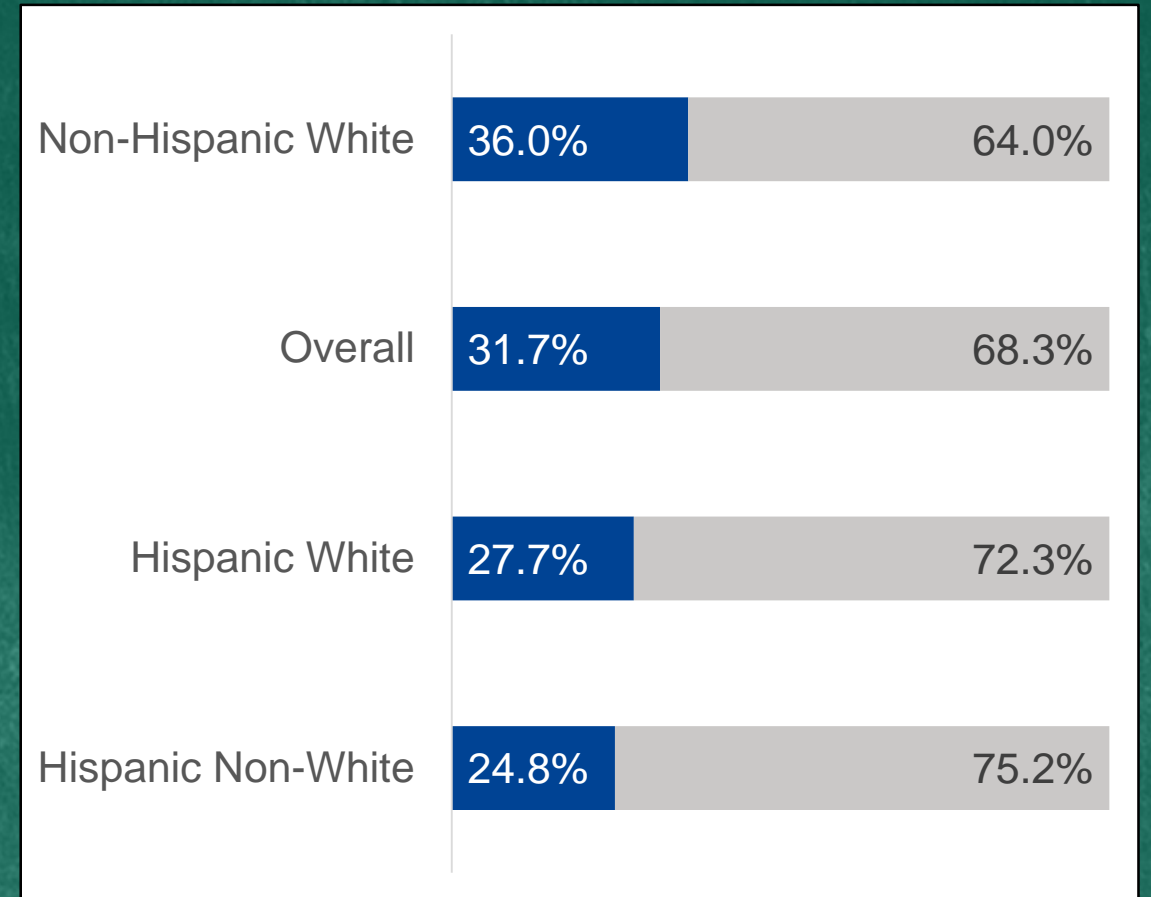
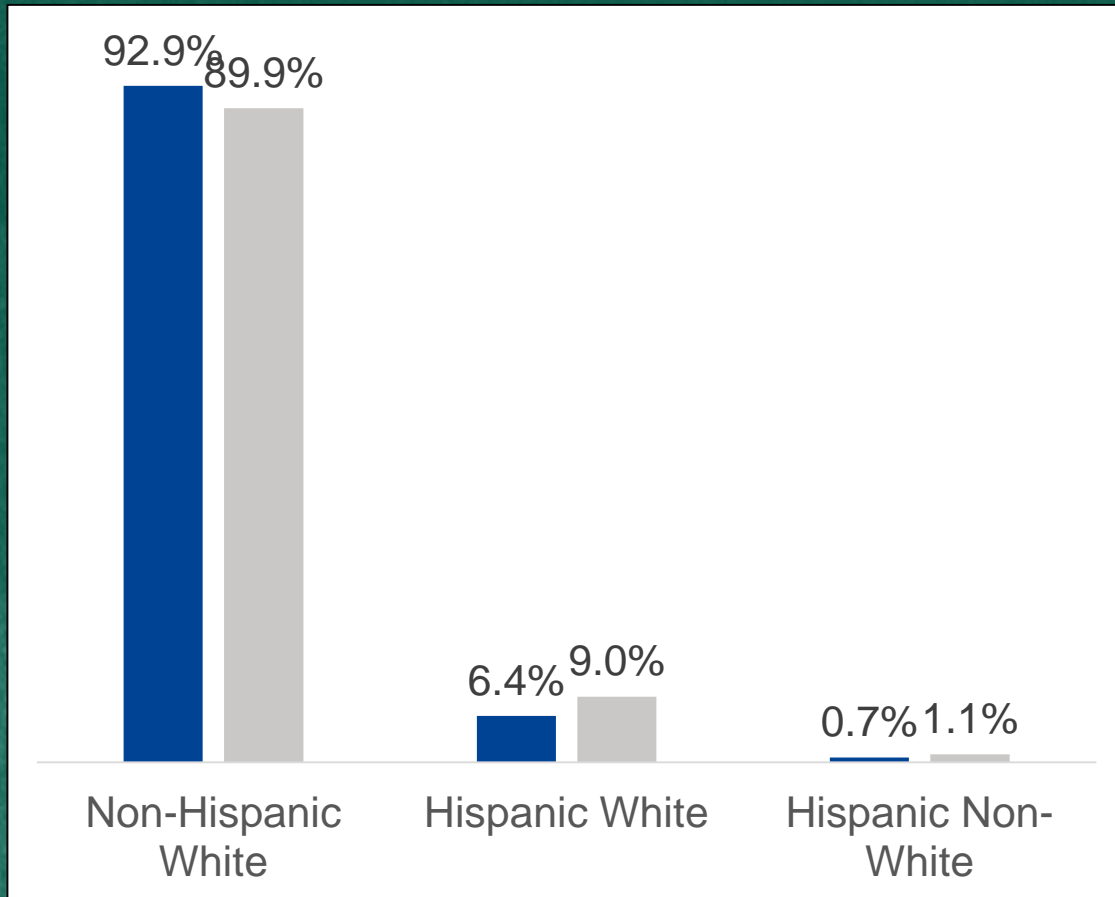
15-16 HRSA indicators

- I am the first generation in my family to attend college(neither my mother nor my father attended college).
- I graduated from a high school at which many of the enrolled students are eligible for free or reduced price lunches.
- I am from a family that lives in an area that is designated as a Health Professional Shortage Area or a Medically Underserved Area.
- I am from a family that receives public assistance (e.g. Aid to Families with Dependent Children, food stamps, Medicaid, public housing) or I receive public assistance.
- I am from a school district where 50 or less of graduates go to college or where college education is not encouraged.
- I graduated from a high school from which a low percentage of seniors receive a high school diploma.
- I participated in an academic enrichment program funded in whole or in part by the Health Careers Opportunity Program.
- I am a high-school drop-out who received AHS diploma or GED.



15-16 Race x ethnicity

Note: Only had race and ethnicity data for 67% of sample



■ Matriculants ■ Non-matriculants

15-16 Race x gender

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	Male	Female	Male	Female
White	1,589	4,404	3,275	7,714
Asian	153	516	634	1,638
Black or African American	76	179	423	1,008
Multiracial	64	180	139	390
American Indian or Alaskan Native	8	16	20	48
Native Hawaiian or Pacific Islander	1	6	7	26

15-16 GRE - Gender

	Scores				Percentiles			
	<u>Matriculants</u>		<u>Non-matriculants</u>		<u>Matriculants</u>		<u>Non-matriculants</u>	
	Male	Female	Male	Female	Male	Female	Male	Female
Verbal	154.0	153.3	151.5	150.2	60.9	58.6	52.0	46.9
Quant	153.0	152.5	150.9	149.3	51.8	50.0	44.0	38.4
Writing	4.0	4.1	3.7	3.8	54.6	59.3	45.1	48.0

15-16 GRE - Ethnicity

	Scores				Percentiles			
	<u>Matriculants</u> Non-Hisp. Non-Hisp.		<u>Non-matriculants</u> Non-Hisp. Non-Hisp.		<u>Matriculants</u> Non-Hisp. Non-Hisp.		<u>Non-matriculants</u> Non-Hisp. Non-Hisp.	
Verbal	152.0	153.6	149.1	150.7	53.6	59.6	42.9	48.9
Quant	150.8	152.8	148.0	150.0	43.7	51.0	33.6	40.6
Writing	3.9	4.0	3.6	3.8	53.2	58.5	41.5	47.9

15-16 GRE - Race

	<u>Verbal score</u>		<u>Quant score</u>		<u>Writing score</u>	
	Matric.	NM	Matric.	NM	Matric.	NM
White	153.6	151.1	152.7	150.1	4.1	3.8
Multiracial	154.3	150.8	152.6	149.5	4.0	3.8
American Indian or Alaskan Native	151.8	149.7	148.6	146.7	3.9	3.6
Asian	152.8	148.9	154.0	150.8	4.0	3.7
Black or African American	150.0	146.9	148.9	145.2	3.6	3.3
Native Hawaiian or Pacific Islander	151.3	150.4	153.4	147.0	4.0	3.8
	<u>Verbal percentile</u>		<u>Quant percentile</u>		<u>Writing percentile</u>	
	Matric.	NM	Matric.	NM	Matric.	NM
White	59.5	50.2	50.8	40.9	59.0	48.7
Multiracial	61.9	48.9	50.1	39.2	57.9	50.0
American Indian or Alaskan Native	52.9	45.4	36.9	29.0	52.4	41.5
Asian	56.8	42.6	55.4	43.6	56.6	45.9
Black or African American	46.0	35.1	36.8	24.6	43.2	32.4
Native Hawaiian or Pacific Islander	50.9	47.6	53.5	30.4	55.8	47.9

15-16 GRE - URM

	Scores				Percentiles			
	<u>Matriculants</u>		<u>Non-matriculants</u>		<u>Matriculants</u>		<u>Non-matriculants</u>	
	Non-URM	Non-URM	Non-URM	Non-URM	Non-URM	Non-URM	Non-URM	Non-URM
Verbal	151.8	153.6	148.3	150.9	52.9	59.6	40.1	49.6
Quant	150.7	152.9	146.9	150.3	43.4	51.5	30.0	41.9
Writing	3.9	4.1	3.5	3.8	51.3	59.0	38.0	48.9

Note: Non-URM = Asian and Non-Hispanic White

15-16 GRE – Edu/env disadv.

	Scores				Percentiles			
	<u>Matriculants</u>		<u>Non-matriculants</u>		<u>Matriculants</u>		<u>Non-matriculants</u>	
	Disadv	ND	Disadv	ND	Disadv	ND	Disadv	ND
Verbal	151.8	153.6	148.3	150.9	52.9	59.6	40.1	49.6
Quant	150.7	152.9	146.9	150.3	43.4	51.5	30.0	41.9
Writing	3.9	4.1	3.5	3.8	51.3	59.0	38.0	48.9

Note: Applicants who reported 1+ HRSA indicator of educational/environmental disadvantage

15-16 GRE – Econ disadv.

	Scores				Percentiles			
	<u>Matriculants</u>		<u>Non-matriculants</u>		<u>Matriculants</u>		<u>Non-matriculants</u>	
	Disadv	ND	Disadv	ND	Disadv	ND	Disadv	ND
Verbal	152.3	153.6	149.1	150.8	54.8	59.6	42.8	49.2
Quant	151.3	152.8	148.4	150.0	45.4	51.0	35.0	40.7
Writing	3.9	4.1	3.6	3.8	53.2	58.6	41.8	48.1

Note: Applicants who reported their family income is less than 200% federal poverty level

15-16 GPA - Gender

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	Male	Female	Male	Female
Total	3.50	3.59	3.19	3.26
Science	3.49	3.51	3.14	3.12
Non-science	3.52	3.68	3.27	3.42
Biology, chemistry, physics (BCP)	3.44	3.46	3.06	3.04

15-16 GPA - Ethnicity

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	Hisp.	Non-Hisp.	Hisp.	Non-Hisp.
Total	3.50	3.57	3.17	3.25
Science	3.45	3.51	3.06	3.14
Non-science	3.57	3.64	3.29	3.39
Biology, chemistry, physics (BCP)	3.39	3.46	2.98	3.05

15-16 GPA - Race

	<u>Total</u>		<u>Science</u>		<u>Non-science</u>		<u>BCP</u>	
	Matric.	NM	Matric.	NM	Matric.	NM	Matric.	NM
White	3.58	3.29	3.53	3.18	3.66	3.41	3.47	3.09
Multiracial	3.54	3.22	3.48	3.08	3.61	3.38	3.42	2.99
Am. Ind	3.52	3.15	3.48	3.09	3.53	3.25	3.40	2.94
Asian	3.52	3.20	3.44	3.06	3.62	3.37	3.40	3.37
Black	3.45	3.08	3.38	2.93	3.53	3.23	3.33	2.85
Native HI/PI	3.51	3.05	3.46	2.90	3.57	3.28	3.42	2.73

15-16 GPA - URM

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	URM	Non-URM	URM	Non-URM
Total	3.50	3.58	3.14	3.28
Science	3.44	3.52	3.01	3.16
Non-science	3.57	3.66	3.28	3.41
BCP	3.39	3.47	2.93	3.08

Note: Non-URM = Asian and Non-Hispanic White

15-16 GPA – Edu/environ disadv

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	Disadv.	Non-Dis.	Disadv.	Non-Dis.
Total	3.54	3.58	3.20	3.27
Science	3.49	3.52	3.09	3.16
Non-science	3.61	3.65	3.33	3.41
BCP	3.43	3.47	3.01	3.07

Note: Applicants who reported 1+ HRSA indicator of educational/environmental disadvantage

15-16 GPA – Economic disadv

	<u>Matriculants</u>		<u>Non-matriculants</u>	
	Disadv.	Non-Dis.	Disadv.	Non-Dis.
Total	3.53	3.57	3.19	3.25
Science	3.48	3.51	3.07	3.14
Non-science	3.59	3.64	3.33	3.39
BCP	3.42	3.46	3.00	3.05

Note: Applicants who reported their family income is less than 200% federal poverty level

15-16 Disadvantages - Gender

	Educational/environmental disadvantage				Economically disadvantaged (%)	
	% report disadvantage		# disadvantages			
	Matric.	NM	Matric.	NM	Matric.	NM
Male	38.4	42.9	1.88	2.0	10.5	16.6
Female	32.6	39.3	1.81	1.9	9.7	15.7

15-16 Disadvantages - Ethnicity

	Educational/environmental disadvantage				Economically disadvantaged (%)	
	% report <u>disadvantage</u>		# <u>disadvantages</u>			
	Matric.	NM	Matric.	NM	Matric.	NM
Hispanic	54.6	38.1	2.31	2.3	23.2	29.8
Non-Hisp.	32.3	37.7	1.76	1.9	8.7	14.3

15-16 Disadvantages - Race

	<u>Educational/environmental</u>				<u>Economic</u>	
	% report		#		disadvantage (%)	
	<u>disadvantage</u>		<u>disadvantages</u>			
	Matric.	NM	Matric.	NM	Matric.	NM
White	30.9	34.7	1.7	1.8	7.1	10.6
Multiracial	3.7	45.7	2.1	2.1	11.9	20.0
Am.Ind.	75.0	67.6	2.3	2.3	20.8	16.2
Asian	45.7	46.1	2.0	2.0	23.2	25.5
Black	58.8	59.8	2.3	2.3	28.2	32.8
Native HI/PI	28.6	51.1	2.0	2.4	-	24.2

15-16 Disadvantages - URM

	Educational/environmental disadvantage				Economically disadvantaged (%)	
	% report <u>disadvantage</u>		# <u>disadvantages</u>			
	Matric.	NM	Matric.	NM	Matric.	NM
URM	50.9	57.7	2.2	2.2	21.1	28.8
Non-URM	31.4	34.9	1.7	1.8	8.0	12.1

Note: Non-URM = Asian and Non-Hispanic White